



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

July 10, 1990

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

Subject: Byron Station Units 1 and 2
Supplemental Response to NRC Bulletin No. 88-01
NRC Docket Nos. 50-454/455, TACS 65955/65956

Reference: (a) NRC Bulletin No. 88-01, dated February 5, 1988
(b) W.E. Morgan letter to A. Bert Davis, dated
April 8, 1988
(c) M.H. Richter letter to A. Bert Davis, dated
May 15, 1989

Dear Mr. Davis:

Reference (a), addressed to all holders of operating licenses or construction permits for nuclear power reactors, provided information on Westinghouse series DS circuit breakers and safety concerns associated with their use. Addressees using these breakers in Class 1E service were requested to perform and document inspection of the welds on the pole shafts and inspection of the alignment in the breaker closing mechanism.

As reported in Reference (b), the reactor trip/bypass breakers for both units had initially been inspected within the 30 day period requested by Reference (a). These initial inspections revealed the reactor trip/bypass breakers and marginal pole shaft welds requiring reinspection at 200 cycles. The Unit 1 reactor trip/bypass breakers were reinspected and the pole shafts were replaced during the Unit 1 refueling outage (Fall 1988), which was the first refueling outage for the unit following the issuance of Reference (a). The results of the inspections on the Unit 1 reactor trip/bypass breakers were reflected in the breaker inspections reported in Reference (c).

In addition, Reference (c) reported that for Byron Unit 2, twenty-nine (29) assigned breakers (which included the 4 Unit 2 reactor trip/bypass breakers) had "short-term" and "long-term" inspections performed, as defined in Reference (a), during the Unit 2 refueling outage (Spring 1989). The results of these inspections were also reflected in Reference (c).

The remaining Byron Station breakers, consisting of forty-eight (48) DS-206 breakers and two (2) DS-416 breakers, were inspected ("short term" and "long term" inspections) during the Byron Unit 1 Spring 1990 refueling outage. The inspections performed on these breakers included the welds on the pole shaft and a direct check of the alignment of the breaker closing mechanism. Pole shafts were replaced on those breakers which failed to meet all of the weld acceptance criteria identified in Reference (a). Pole shafts on 47 of the 48 DS-206 breakers and 2 of the 2 DS-416 breakers were replaced. Corrective action for alignment of the breaker closing mechanisms was not required for any of the inspections performed during this outage.

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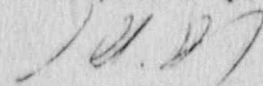
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The final results of the Byron Station Units 1 and 2 DS breaker inspections are presented as an attachment to this letter. This completes the inspections of the Westinghouse series DS circuit breakers, as requested by Reference (a), for Byron Station Units 1 and 2. Therefore, no further action is required by Byron Station for Reference (a).

Please direct any questions that you may have concerning this response to this office.

Respectfully,



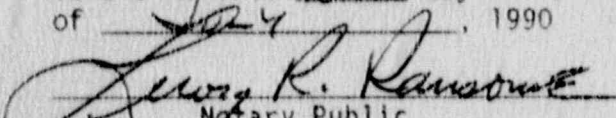
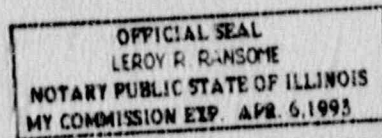
D.L. Taylor
Generic Issues Administrator

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Attachment

cc: Document Control Desk-NRR
Senior Resident Inspector-Byron
T. Boyce-Project Manager-NRR

Subscribed and Sworn to
before me this 10th day
of July, 1990


Notary Public

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ATTACHMENT

COMPOSITE SUMMARY OF INSPECTIONS PERFORMED

NUMBER OF BREAKERS	#IN USE	# SPARES	TYPE
9	8	1	DS 416 (Reactor Trip Breaker)
108	74	34	DS 206 (Class 1E)
<u>4</u>	<u>4</u>	<u>-</u>	DS 416 (Class 1E)
Totals	121	86	35

Inspections Reported After B1R02 (Unit 1 Fall 1988 refueling outage):

DS416 (RTB)	5	4	1
DS206 (1E)	37	35	2
DS416 (1E)	<u>-</u>	<u>-</u>	<u>-</u>
Total:	42	39	3

Inspections Reported After B2R01 (Unit 2 Spring 1989 refueling outage):

DS416 (RTB)	4	4	-
BS206 (1E)	23	23	-
BS416 (1E)	<u>2</u>	<u>2</u>	<u>-</u>
Total:	29	29	0

Inspections Reported After B1R03 (Unit 1 Spring 1990 refueling outage):

DS416 (RTB)	-	-	-
DS206 (1E)	48	16	32
DS416 (1E)	<u>2</u>	<u>2</u>	<u>-</u>
Total:	50	18	32

TOTAL:	121	86	35
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FINAL INSPECTION RESULTS:

	TYPE 416	TYPE 206
No. of breakers inspected	13	108
No. of breakers which had pole shafts replaced due to welds	13	107
No. of breakers requiring corrective action for alignment	0	0

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