



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

November 14, 1990

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Subject: Dresden Station Units 2 and 3  
Quad Cities Station Units 1 and 2  
Zion Station Units 1 and 2  
Byron Station Units 1 and 2  
Braidwood Station Units 1 and 2  
Supplemental Response to Generic Letter 89-13  
NRC Docket Nos. 50-237/249, 50-254/265  
50-295/304, 50-454/455 and 50-456/457

References: (1) NRC Generic Letter 89-13, dated July 18, 1989.  
(2) M.H. Richter letter to the NRC dated  
January 29, 1990.

Dear Sir:

NRC Generic Letter 89-13 (Generic Letter) indicated that recent operating experience and studies had raised concerns about service water systems in nuclear power plants. The Generic Letter requested licensees to take actions which would ensure that their service water systems were in compliance with, and would be maintained in compliance with, 10 CFR Part 50, Appendix A, General Design Criteria 44, 45, and 46 and Appendix B, Section XI. Additionally, the Generic Letter required a response which would confirm that each licensee had established programs to implement the recommended actions of the Generic Letter, or that equally effective actions had been pursued. Reference (2) provided Commonwealth Edison's response for Dresden, Quad Cities, Zion, LaSalle County, Byron and Braidwood Stations to Generic Letter 89-13.

The purpose of this letter is to notify the NRC of changes in our program that have resulted from changes in refueling outage dates and additional experience gained during implementation of the generic letter program to date.

The attachments provide program modifications for Dresden, Quad Cities, Zion, Byron and Braidwood Stations.

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

Respectfully,



D.L. Taylor  
Generic Issues Administrator

Attachment

cc: A.B. Davis - Regional Administrator, Region III  
Resident Inspectors - D/QC/Z/BY/BW

DT:lmw  
ZNLD322

ATTACHMENT I

DRESDEN STATION

<u>ITEM #</u>	<u>COMMITMENT</u>	<u>REVISION</u>
I.1	Perform asiatic clam and sediment evaluation.	The evaluation will not include the cooling pond lift station due to the lack of macro Biofouling deposits found in that location in the past. Additionally, the cooling pond lift station does not perform a safety function and therefore does not fall within the scope of generic letter.
II	Perform inspection & cleaning of heat exchangers where the testing method does not verify the design basis.	In some cases inspection is not possible due to the inaccessibility of the tube side. In these cases, the heat exchanger tubes will be flushed and DP tested. The system fouling mechanisms, if any, will also be evaluated for impact on the heat exchangers.
II	Performance testing of heat exchangers whose safety function is to maintain room air temperature below a specified criteria.	Commonwealth Edison is performing a study to evaluate the required safety function of room coolers. If the study indicates that the room coolers are not required to mitigate the consequences of an accident, i.e. not safety related, the actions required by Generic Letter 89-13, Item II may not be performed for those coolers.

ATTACHMENT II

QUAD CITIES

<u>ITEM #</u>	<u>COMMITMENT</u>	<u>REVISION</u>
II	Perform inspection & cleaning of heat exchangers where the testing method does not verify design basis.	In some cases inspection is not possible due to the inaccessibility of the tube side. In these cases, the heat exchanger tubes will be flushed and DP tested. The system fouling mechanism, if any, will also be evaluated, for impact on the heat exchangers.
II	Performance testing of heat exchangers whose safety function is to maintain room air temperature below a specified criteria.	Commonwealth Edison is performing a study to evaluate the required safety function of room coolers. If the study indicates that the room coolers are not required to mitigate the consequences of an accident, i.e. not safety related, the actions required by Generic Letter 89-13, Item II may not be performed for those coolers.

ATTACHMENT III

ZION

<u>ITEM #</u>	<u>COMMITMENT</u>	<u>REVISION</u>
General	Due to refueling outage delays, the dates provided in the first paragraph of the response are no longer accurate. However, the commitments remain the same.	The new refueling outage completion dates are: Z1R12 - 12/23/91 Z2R12 - 04/14/92
I	Perform a Microbiological Influenced Corrosion (MIC) evaluation by September 1990.	Due to outage related activities, the evaluation has been delayed and will be complete by March 1991.

ATTACHMENT IV

BYRON

<u>ITEM #</u>	<u>COMMITMENT</u>	<u>REVISION</u>
I.1	Perform a River Screen House intake inspection by September 1990.	Preliminary evaluations indicated the need to dredge the river bottom, therefore, diver inspections will be done after dredging (prior to startup of BY2R02).
I.2	Sodium Bromide is to be fed with sodium hypochlorite via a permanent system into the Essential Service Water System by January 1990.	Due to design problems, the sodium bromide system may not be operational in the future. Continuous injection of sodium hypochlorite is currently performed and meets the requirements of the generic letter.

ATTACHMENT V

BRAIDWOOD

<u>ITEM #</u>	<u>COMMITMENT</u>	<u>REVISION</u>
I	Braidwood was originally identified as a plant without clams	Based on 1989 samples, Braidwood should be considered a plant with clams.
I.1	Perform an inspection for clams at the river screen house within the lake, and in front of the bar grills.	The inspection will be performed behind the traveling screens at the lake screen house as this location is representative of Biofouling at the plant.
I.2	Institute treatment of the Service Water System (SX) for 2 weeks when water reaches 65 degrees F for 20 hours a day.	Due to presence of clams, treatment will be continuous when water temperature is between 60 and 70 degrees F.