

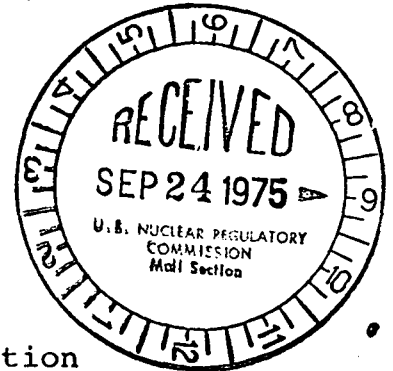


**Commonwealth Edison**  
 One First National Plaza, Chicago, Illinois  
 Address Reply to: Post Office Box 767  
 Chicago, Illinois 60690

**REGULATORY DOCKET FILE COPY**

September 22, 1975

Mr. Dennis L. Ziemann, Chief  
 Operating Reactors - Branch 2  
 Division of Reactor Licensing  
 U.S. Nuclear Regulatory Commission  
 Washington, D.C. 20555



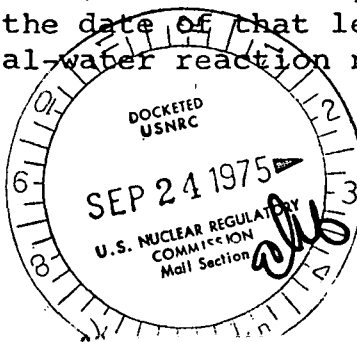
**Subject:** Supplement No. 1 to Dresden Station  
 Special Report No. 39 and  
 Quad-Cities Station Special Report No. 14  
NRC Dkts. 50-237, 50-249, 50-254, and 50-265

Dear Mr. Ziemann:

Attached is the subject supplement to Dresden Station Special Report No. 39 and Quad-Cities Station Special Report No. 14. This supplement replaces the original special report which concerned the de-inerting of the Dresden Units 2 and 3 and Quad-Cities Units 1 and 2 containments and adds to them an Air Containment Atmosphere Dilution (ACAD) system design report.

As stated in our May 28, 1975 letter to Mr. D. L. Ziemann, we are proceeding with the ACAD system. We understand, however, we will not be able to have the ACAD design reviewed until General Electric has calculated the percent metal-water reaction using the alternate method in NEDO-20566. We direct your attention to Section 1.1 of this report which points out that preliminary calculations by General Electric using this alternate method indicates the method used in Appendix K submittals to-date is high by a factor of approximately four.

As stated in our May 28, 1975 letter, we are proceeding with the ACAD system in order to provide a suitable post accident combustible gas control system at the earliest possible date. We also stated that if the ACAD system is not approved and we are required to install a nitrogen system, the resulting delay between the two systems is one for one from the date of that letter. Because of the above statements on the metal-water reaction number and in the



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Mr. Dennis L. Ziemann

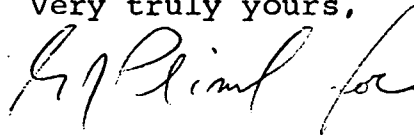
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interest of installing a suitable system at the earliest possible date, we respectfully request that you review the ACAD design report as soon as feasible.

One (1) signed original and 39 copies are enclosed for your use. Any questions in regard to the above should be directed to this department.

Very truly yours,

A handwritten signature in cursive script, appearing to read "G. A. Abrell for".

G. A. Abrell  
Nuclear Licensing Administrator  
Boiling Water Reactors

Attachments