

September 26, 1985

Docket Nos. 50-254/265

Mr. Dennis L. Farrar  
Director of Nuclear Licensing  
Commonwealth Edison Company  
Post Office Box 767  
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Dear Mr. Farrar:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION

Re: Quad Cities Station, Units 1 and 2

By letter dated June 24, 1984, you responded to our Generic Letter 84-09 on recombining capability requirement of 10 CFR 50.44(c)(3)(ii), dated May 8, 1984. In your letter, you provided information to support your position that recombining capability is not required by the Regulation. From our review of your letter, we find that additional information is needed to complete our review. Please provide the additional information requested in the enclosure to this letter within 45 days of receipt of this letter.

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
Operating Reactor Branch #2  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

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Mr. Dennis L. Farrar  
Commonwealth Edison Company

Quad Cities Nuclear Power Station

cc:

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Nuclear Facility Safety  
Illinois Department of  
Nuclear Safety  
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Request for Additional Information

- 1) 10CFR 50.44 (g) requires that plants such as Quad Cities Station, Units 1 & 2, be provided with a post-accident combustible gas control system such as the containment atmosphere dilution (CAD) system. The staff has indicated that the hydrogen generation rates provided in Regulatory Guide 1.7 should be used in assessing the adequacy of the system. It should be noted that the staff has not approved the revised source terms indicated in your June 25, 1984, submittal for use in DBA analyses. Indicate how the Quad Cities Station, Units 1 & 2, conforms to this regulation.
- 2) The CAD system at Quad Cities Station, Units 1 & 2, has been designed to utilize atmospheric air and, therefore, is a potential source of oxygen to the containment in post-LOCA conditions. In light of this situation, how do you consider compliance with criterion three of Generic Letter 84-09 with this CAD system?
- 3) Provide a detailed discussion about how the drywell pneumatic supply system meets the redundancy requirement. In particular, describe the use of the back-up system, if available, to the normal drywell pneumatic supply system. Include all necessary operator actions, if necessary, as well as the instrumentation which will be used by the operator. Also, is the inert gas supply to the drywell pneumatic systems designed against single failure?

If the atmospheric air from the Instrument Air System can be used as a backup to the drywell pneumatic systems, describe the procedural controls you have in place to limit the use of this backup system. When air would be used, would this air supply line be automatically isolated? If so, what are the signals that will isolate it?