

SEPTEMBER 7 1979

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Docket Nos: 50-237, ~~50-249~~  
 50-254 and 50-265

Mr. Cordell Reed  
 Assistant Vice President  
 Commonwealth Edison Company  
 Post Office Box 767  
 Chicago, Illinois 60690

Dear Mr. Reed:

By letters dated January 2, July 2, July 5 and July 30, 1979, you provided information in response to our letter of November 29, 1978, concerning purging and venting for Dresden Units Nos. 2 and 3 and Quad Cities Units Nos. 1 and 2. Your justification for unlimited purging is presently under consideration. We have reviewed your submittals and applicable portions of the SAR for each facility, and have determined that further information is needed.

1. You have not addressed debris which could prevent valve closure, testing of functional availability of the valves, and allowable leak rate of the valves.
2. You have not given the amount of containment atmosphere released through purge and vent isolation valves during the time required for them to close following a LOCA.
3. The design of the override/bypass circuits of the purge valves is deficient and modifications are necessary.

The information requested is given in more detail in the enclosure to this letter. Please provide your response within 60 days after receipt of this letter.

Sincerely,

Original Signed By  
 E. A. Ippolito

Thomas A. Ippolito, Chief  
 Operating Reactors Branch #3  
 Division of Operating Reactors

*7/11/79*  
*CAF*

Enclosure:

Request for Additional

OFFICE >	Information	ORB#3	ORB#2	ORB#2	ORB#3
SURNAME >		RBevan:acr	SNOWICKI	DZiemann	Tippolito
cc w/enclosure:					
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Mr. Cordell Reed  
Commonwealth Edison Company

- 2 -

cc:

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U. S. Nuclear Regulatory Commission  
Post Office Box 706  
Morris, Illinois 60450

REQUEST FOR ADDITIONAL INFORMATION FOR  
CONTAINMENT PURGE SYSTEM AND CONTAINMENT VENTING  
SYSTEM FOR QUAD CITIES STATION, UNITS 1 AND 2  
DOCKET NOS. 50-254/265

- i. With regard to the containment purge and venting system, provide the following information:
  - a. Discuss the provisions made to ensure that isolation valve closure will not be prevented by debris which could potentially become entrained in the escaping air and steam.
  - b. Discuss the provisions made for testing the availability of the isolation function and the leakage rate of the isolation valves, individually, during reactor operation.
  - c. Provide an analysis to demonstrate the acceptability of the provisions made to protect structures and safety-related equipment, e.g., fans, filters and ductwork, located beyond the purge system isolation valves against loss of function from the environment created by the escaping air and steam.
  - d. Specify the allowable leak rates of the purge and vent isolation valves for the spectrum of design basis pressures and flows against which the valves must close.
  - e. Specify the amount of containment atmosphere released through the purge and vent isolation valves during the time required for them to close following a LOCA.
2. During our review of the electrical bypass/override features for the purge isolation valves, circuit design deficiencies have been identified (and made known to you). Please describe (including appropriate electrical diagrams) the design changes you propose.  
Discuss these changes with regard to the electrical criteria stated in our November 28, 1978 letter.