

JAN 19 1976

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

Commonwealth Edison Company  
ATTN: Mr. R. L. Bolger  
Assistant Vice President  
Post Office Box 767  
Chicago, Illinois 60690

Gentlemen:

You letter of September 19, 1975, requested approval of a proposed change to Appendix A of Dresden Nuclear Power Station Units 2 and 3 and Quad Cities Nuclear Power Station Units 1 and 2 (DPR-19, DPR-25, DPR-29, and DPR-30).

The proposed change would eliminate license requirements for jet pump flow indication.

We are reviewing your submittal and have determined that the additional information requested in Enclosure A is necessary to continue our review.

To enable us to maintain our review schedule, please submit the requested information prior to February 20, 1976.

Sincerely,

Original signed by  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

OFFICE →	OR:ORB #2	OR:ORB #2	OR:ORB #2	OR:ORB #2		
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DATE →	1/15/76	1/16/76	1/19/76	1/19/76		

Commonwealth Edison Company

JAN 19 1976

cc w/enclosure:

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Iowa-Illinois Gas and  
Electric Company  
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COMMONWEALTH EDISON COMPANY

DRESDEN NUCLEAR POWER STATION UNITS 2 AND 3

QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2

DOCKET NOS. 50-237, 50-249, 50-254 AND 50-265

REQUEST FOR ADDITIONAL INFORMATION

REVIEW OF PROPOSED CHANGE TO TECHNICAL SPECIFICATIONS TO DELETE

REQUIREMENTS FOR JET PUMP FLOW INDICATION

We are reviewing the proposed changes to Technical Specifications which would delete license requirements for jet pump flow indication, and have identified questions relating to instrumentation and pump performance at Quad Cities Unit 1, which has experienced failure of indication for one jet pump. The following information is requested:

1. Provide estimates of time, expense, and personnel exposure involved in any methods investigated for the repair of jet pump #7 indication at Quad Cities 1. Discuss your plans with respect to this repair.
2. The present Quad Cities 1 Technical Specification 3.6.G.3 states: "The indicated core flow is the sum of the flow indication from each of the twenty jet pumps." Because the proposed Technical Specification 4.6.G.1.b still requires indicated total core flow, explain in detail how this indicated value is obtained with one jet pump instrument inoperable.
3. Describe the differences, if any, which exist between flow measuring instrumentation systems at Dresden 2, Dresden 3, Quad Cities 1, and Quad Cities 2. This should include jet pump, loop, and core flow systems.
4. Provide data concerning initial and recurrent calibration of the differential pressure instrument(s) which measure(s) across the core plate at Quad Cities Unit 1. Numerical data related to instrument drift as a function of time is desirable.
5. Provide the latest flow readings (at ~ 100% power) of all jet pumps for all stations. Provide data in same format as figure C.10-4 on C-93/C-94 of NEDC-10692 (Startup Test Results, Dresden Nuclear Power Station Unit 3, January 1, 1971 - November 16, 1971) and include actual value recorded. A copy of figure C.10-4 is enclosed. This data will be utilized in the analysis of jet pump performance at other stations.

6. Discuss the conservation of the 10% value of Technical Specifications 4.6.G.1.a and b, especially with reference to instrument calibration and error and changes in pump speed-flow characteristics with age.
7. Explain how proposed Technical Specification 4.6.G.2 will be implemented with regard to the "differential pressure of any jet pump...", especially with one or more jet pump flow indications inoperable.

Attachment:  
C.10-4

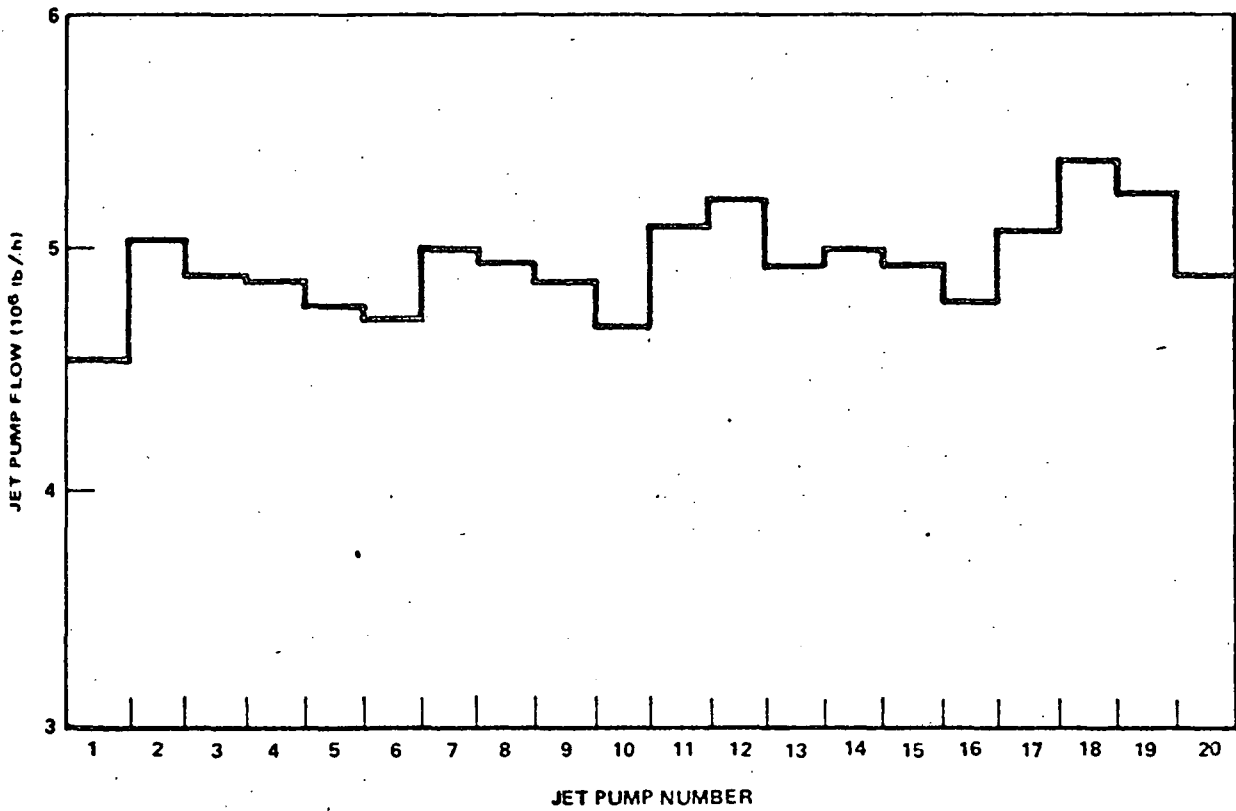


Figure C.10-4. Jet Pump Flow Distribution Calibration No. 11, October 17, 1971