



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

July 23, 1982

Mr. Domenic B. Vassallo, Chief
 Operating Reactors Branch #2
 Division of Licensing
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

Subject: Dresden Station Units 2 and 3
 Quad Cities Station Units 1 and 2
 Reactor Protection System (RPS)
 Power Monitoring System Design
 Modification
 NRC Docket Nos. 50-237/249 and
 50-254/265

- References (a): D. B. Vassallo letter to L. O.
 DelGeorge dated March 4, 1982.
- (b): T. J. Rausch letter to D. B.
 Vassallo dated April 19, 1982.

Dear Mr. Vassallo:

Enclosed are the Commonwealth Edison Company responses to your Reference (a) request for information concerning the subject modifications at Dresden Units 2 and 3 and Quad Cities Units 1 and 2. We are in the process of resolving the design problems described in Reference (b) which precluded installation on the schedules previously described.

Our revised installation schedule is as follows:

Dresden 2 - April, 1983
 Dresden 3 - December, 1983
 Quad Cities 1 - December, 1982
 Quad Cities 2 - December, 1983

We will inform you if any procurement or outage problems threaten to change these schedules.

Proposed Technical Specification changes will be submitted at least three months prior to the return to service from the outages associated with the above installation schedule.

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

A001
Aggr. Dist.
SEND DRUGS to:
Reg Files
BC (2)

D. B. Vassallo

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One (1) signed original and fifty-nine (59) copies of this transmittal letter are provided for your use. Three (3) copies of Quad Cities drawings 4E-1092D, 4E-1092E, 4E-1307, 4E-1592, and 4E-1320 are attached in response to information request items 1 and 4.

Very truly yours,



Thomas J. Rausch
Nuclear Licensing Administrator

lm

Enclosure

cc: Region III Inspector - Dresden
Region III Inspector - Quad Cities

4583N

ENCLOSURE

RPS POWER SUPPLY DESIGN MODIFICATION

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

DRESDEN UNITS 2 AND 3, QUAD CITIES 1 AND 2

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

1. Submit a current revision of the electrical one-line diagram of the on-site distribution system and a schematic/elementary diagram that includes the RPS power distribution buses.

Response: Three copies of the current electrical one-line diagram of the on-site distribution system and copies of a schematic diagram that includes the RPS power distribution buses are enclosed. These are for a typical installation.

2. Provide justification that proposed time delays, if any, will not result in damage to RPS system components or affect the performance of required safety functions.

Response: We plan to use time delays which will coordinate with other protection schemes on our power system. At present, we plan on these time delays to be less than 60 seconds. Since damage to RPS system components is primarily caused by the heat created during sustained voltage extremes, the time delays are not detrimental to the RPS components.

3. Specify monitoring system over-voltage, under-voltage, and under-frequency setpoints, based on the nominal voltage of the power sources and voltage requirements of scram relay and contractor coils.

Response: The specific voltage setpoints will be included in the Technical Specification submittals for Dresden and Quad Cities Stations.

4. Confirm that installation of EPA assemblies, power and instrument cable shall meet the requirements of IEEE 384 and Regulatory Guide 1.75.

Response: Drawings that confirm installation to IEEE 384 and Regulatory Guide 1.75 are enclosed.