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SUBJECT: Responds to Generic Ltr 91-11, "Resolution of Generic Issues 48, 'LCOs for Class 1E Vital Instrument Buses' & 49, 'Interlocks & LCOs for Class 1E Tie Breakers.'" Facility design does not include tie breakers for Class 1E buses.

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SUSQUEHANNA STEAM ELECTRIC STATION
RESPONSE TO GENERIC LETTER 91-11
PLA-3715 **FILE R41-1**

Docket Nos. 50-387/NPF-14
and 50-388/NPF-22

This letter provides Pennsylvania Power & Light Company's response to Generic Letter 91-11, "Resolution of Generic Issues 48, 'LCOs for Class 1E Vital Instrument Buses,' and 49, 'Interlocks and LCOs for Class 1E Tie Breakers' Pursuant to 10CFR50.54(f)". Susquehanna SES procedures for the electrical system conform to the guidance provided in this generic letter. The following is a summary of PP&L's conformance to the guidance. The design of Susquehanna SES does not include tie breakers for Class 1E buses. Also, LCO time limitations and surveillance requirements for Class 1E vital instrument buses and power supplies are governed by the Technical Specifications.

I. Vital Instrument Buses

The vital instrument AC buses are directly connected to only one source of power from the 480V AC voltage level. The time limitations and surveillance requirements of these buses and power sources are controlled by the Technical Specifications. Alternate power sources are supplied at the 4160V AC level (2 offsite lines and diesel generator).

The vital DC buses are connected to only one source of power. This source of power is from the 480V AC voltage level to the battery chargers to the battery banks to the buses. Certain common system loads (such as diesel controls) can be transferred to the Unit 2 batteries through transfer switches. The time limitations and surveillance requirements for the buses, power sources and transfer switches are provided in the Technical Specifications.

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The normal and alternate power supplies for the Reactor Protection System (RPS) at Susquehanna SES are from Class 1E and non-Class 1E buses respectively. LCOs and surveillance requirements for the RPS instrumentation are included in the Technical Specifications.

II. Inverters

The inverters used to supply power to station blackout, HPCI and RCIC instrumentation are fed from our Class 1E DC buses and are provided with only one directly connected source of power. The time limitations and surveillance requirement for the DC buses and power sources are provided in the Technical Specifications.

III. Tie Breakers

At Susquehanna SES, there are no tie-breakers which connect redundant Class 1E buses (ac or dc) in one unit or which connect Class 1E buses between units.

If you have any questions, please contact Mr. C.T. Coddington at (215) 774-7915.

Very truly yours,



H. W. Keiser

cc: NRC Region I
Mr. G. S. Barber, NRC Resident Inspector
Mr. J. J. Raleigh, NRC Project Manager



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