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FACIL:50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
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CURTIS,N.W. Pennsylvania Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Responds to request for addl info re equipment qualification program,Control sys power supply & sensor malfunction study & evaluation of effects of high energy line break on control sys will be provided prior to 5% power.

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DEC 21 1983

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
REPONSE TO REQUEST FOR ADDITIONAL
INFORMATION - EQUIPMENT QUALIFICATION
ER 100508 FILE 843
PLA-1970

Docket No. 50-388

Dear Mr. Schwencer:

This letter is provided in response to requests from your staff for additional information regarding our equipment qualification program, specifically our response to 10CFR50.49(b)(2). To date, we have not provided the Control System Power Supply and Sensor Malfunction Study or the Evaluation of the Effects of High Energy Line Breaks on Control Systems for Unit 2. We expect to provide this information prior to exceeding 5% power. Operation of the plant up to 5% power with this issue unresolved is justified since the only activity planned during this period is low power physics testing. The reactor coolant system nuclear fission inventory and residual heat will be sufficiently low so as to preclude any significant effects on the electrical equipment in question should an accident occur. In addition, our previously submitted Equipment Qualification Summary Report and PLA-1716, dated June 20, 1983 documents the status of environmental qualification and demonstrates that: (1) the electrical equipment requiring qualification at Susquehanna SES is either qualified or its interim use justified until qualification is achieved, and (2) no class 1E device which is not part of the cold shutdown path or paths, will fail so as to prevent the achievement and maintenance of cold shutdown.

Very truly yours,

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

cc: R. L. Perch NRC

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