

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8207200190 DOC. DATE: 82/07/15 NOTARIZED: NO DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387  
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388  
 AUTH. NAME AUTHOR AFFILIATION  
 CURTIS, N.W. Pennsylvania Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Forwards justification for interim operation pending modification of qualification of equipment for Modutronics circuit board mod.

DISTRIBUTION CODE: B0018 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2  
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES:

RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
A/D LICENSNG	1 0	LIC BR #2 BC	1 0
LIC BR #2 LA	1 0	PERCH,R.	01 1 1
INTERNAL: ELD/HDS4	1 0	IE FILE	1 1
IE/DEP EPDS 35	1 1	IE/DEP/EPLB 36	3 3
NRR/DE/CEB 11	1 1	NRR/DE/EQB 13	3 3
NRR/DE/GB 28	2 2	NRR/DE/HGEB 30	2 2
NRR/DE/MEB 18	1 1	NRR/DE/MTEB 17	1 1
NRR/DE/QAB 21	1 1	NRR/DE/SAB 24	1 1
NRR/DE/SEB 25	1 1	NRR/DHFS/HFEB40	1 1
NRR/DHFS/LQB 32	1 1	NRR/DHFS/OLB 34	1 1
NRR/DHFS/PTRB20	1 1	NRR/DSI/AEB 26	1 1
NRR/DSI/ASB 27	1 1	NRR/DSI/CPB 10	1 1
NRR/DSI/CSB 09	1 1	NRR/DSI/ETSB 12	1 1
NRR/DSI/ICSB 16	1 1	NRR/DSI/PSB 19	1 1
NRR/DSI/RAB 22	1 1	NRR/DSI/RSB 23	1 1
NRR/DST/LGB 33	1 1	REG FILE 04	1 1
RGN1	2 2	RM/DDAMI/MIB	1 0

EXTERNAL:	ACRS	41	10	10	BNL (AMDTS ONLY)	1	1
	DMB/DSS (AMDTS)		1	1	FEMA-REP DIV 39	1	1
	LPDR	03	2	2	NRC PDR 02	1	1
	NSIC	05	1	1	NTIS	1	1

TOTAL NUMBER OF COPIES REQUIRED: LTR 59 ENCL 54

CONFIDENTIAL  
This document contains information that is classified as CONFIDENTIAL. It is intended for the use of authorized personnel only. It is not to be distributed, disseminated, or otherwise made available to the public or other personnel who do not have a valid "need to know" without the express written approval of the appropriate authority.

CONFIDENTIAL

CONFIDENTIAL

DATE	TIME	LOCATION	ACTIVITY	PERSONNEL	REMARKS
1/15/50	1400	Room 101	Meeting	Smith, Jones	Discussed project progress.
1/16/50	0900	Room 101	Meeting	Smith, Jones, White	Reviewed reports.
1/17/50	1300	Room 101	Meeting	Smith, Jones	Final review of documents.
1/18/50	1000	Room 101	Meeting	Smith, Jones, White	Discussed next steps.
1/19/50	1100	Room 101	Meeting	Smith, Jones	Reviewed minutes.
1/20/50	1400	Room 101	Meeting	Smith, Jones, White	Discussed budget.
1/21/50	0900	Room 101	Meeting	Smith, Jones	Reviewed schedule.
1/22/50	1300	Room 101	Meeting	Smith, Jones, White	Discussed personnel.
1/23/50	1000	Room 101	Meeting	Smith, Jones	Reviewed progress.
1/24/50	1100	Room 101	Meeting	Smith, Jones, White	Discussed future plans.
1/25/50	1400	Room 101	Meeting	Smith, Jones	Reviewed reports.
1/26/50	0900	Room 101	Meeting	Smith, Jones, White	Discussed budget.
1/27/50	1300	Room 101	Meeting	Smith, Jones	Reviewed schedule.
1/28/50	1000	Room 101	Meeting	Smith, Jones, White	Discussed personnel.
1/29/50	1100	Room 101	Meeting	Smith, Jones	Reviewed progress.
1/30/50	1400	Room 101	Meeting	Smith, Jones, White	Discussed future plans.



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear  
215 / 770-5381

JUL 15 1982

Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
SEISMIC QUALIFICATION OF EQUIPMENT  
MODUTRONICS CIRCUIT BOARD MODIFICATION  
ER 100450 FILE 843  
PLA-1202

Docket Nos. 50-387  
50-388

Dear Mr. Schwencer:

This letter is provided as a record of our July 14, 1982 telephone conversation with your Mr. A. Lee in which we discussed the delayed implementation of the modification to Modutronics circuit boards. Attached is the requested justification for interim operation. It is expected that the required modification will be in place prior to achieving initial criticality.

It is our understanding through discussions with Mr. Lee that the delayed implementation of the subject modification is acceptable.

Very truly yours,

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

WWW/mks

Attachment

cc: R. Perch  
A. Lee

BOO1

8207200190 820715  
PDR ADOCK 05000387  
A PDR



[The text in this section is extremely faint and illegible. It appears to be a list or a series of entries, possibly names and addresses, but the characters are too light to transcribe accurately.]

DYNAMIC QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TV-08612A/B, 08643A/B, -08652A/B, -08662A/B

Component Name: Modutronics 10A circuit board in above-listed valve operators

System: Control Structure Chilled Water Purchase Order: J-65B

1. Component(s) Safety Function:

Controls position of 3-way valves which regulate flow of chilled water through computer room, control room, and control structure H/V unit cooling coils and of Emergency Service Water through the control structure chiller.

2. Accident(s) for which Component(s) must be Qualified:

40, 42, 43, 44, 45

3. Justification for Interim Operation:

10, 12, 17. These circuit boards were qualified for seismic/hydrodynamic loads by stiffening the board via application of epoxy resin potting compound. As installed, the circuit boards do not have a potting compound applied. The installed circuit boards will be replaced with epoxied boards before initial criticality. The circuit boards have been previously qualified by test for seismic only loads. Seismic loads are the only loads that can be generated prior to initial criticality.

5. When shaker-table tested for hydrodynamic loads, the non-epoxied circuit boards failed such that the associated valve failed in last position (i.e., fail -as-is). Since temperature fluctuations of the ESW and Control Structure Chilled Water systems occur very slowly, adequate cooling water to the equipment will be maintained. In addition, manual operation of each valve can be performed to compensate for temperature excursions.

4. Interim Operation is

Justified

Not Justified



~~SECRET~~