

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8310250246 DOC. DATE: 83/10/20 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 AUTH. NAME AUTHOR AFFILIATION
 KENYON, B.D. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Forwards application for Proposed Amend 31 to License
 NPF-14, changing Tech Spec Table 4.8.1.1.2-2 re settings for
 emergency svc water pump timers.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3+3
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys.

05000387

w/ check \$4,000.00

	RECIPIENT ID CODE/NAME	COPIES			RECIPIENT ID CODE/NAME	COPIES	
		LTTR	ENCL			LTTR	ENCL
	NRR/DL/ADL	1	0		NRR LB2 BC	1	0
	NRR LB2 LA	1	0		PERCH, R. 01	1	1
INTERNAL:	ELD/HDS4	1	0		IE FILE	1	1
	IE/DEPER/EPB 36	3	3		IE/DEPER/IRB 35	1	1
	IE/DEQA/QAB 21	1	1		NRR/DE/AEAB	1	0
	NRR/DE/CEB 11	1	1		NRR/DE/EHEB	1	1
	NRR/DE/eqB 13	2	2		NRR/DE/GB 28	2	2
	NRR/DE/MEB 18	1	1		NRR/DE/MTEB 17	1	1
	NRR/DE/SAB 24	1	1		NRR/DE/SGEB 25	1	1
	NRR/DHFS/HFEB40	1	1		NRR/DHFS/LQB 32	1	1
	NRR/DHFS/PSRB	1	1		NRR/DL/SSPB	1	0
	NRR/DSI/AEB 26	1	1		NRR/DSI/ASB	1	1
	NRR/DSI/CPB 10	1	1		NRR/DSI/CSB 09	1	1
	NRR/DSI/ICSB 16	1	1		NRR/DSI/METB 12	1	1
	NRR/DSI/PSB 19	1	1		NRR/DSI/RAB 22	1	1
	NRR/DSI/RSB 23	1	1		<u>REG FILE</u> 04	1	1
	RGN1	3	3		RM/DDAMI/MIB	1	0
EXTERNAL:	ACRS 41	6	6		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
NOTES:		3	3				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 57 ENCL 50

The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, on the
 subject of the above-captioned land.

The land is situated in the County of _____, State of _____,
 and is more particularly described as follows:

The land is situated in the _____ Section, _____ Township, _____ Range,
 _____ Meridian, _____ State of _____, and is more particularly described as follows:

The land is situated in the _____ Section, _____ Township, _____ Range,
 _____ Meridian, _____ State of _____, and is more particularly described as follows:

Section	Tract	Acres	Owner	Section	Tract	Acres	Owner
1	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	1	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
2	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	2	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
3	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	3	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
4	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	4	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
5	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	5	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
6	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	6	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
7	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	7	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
8	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	8	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
9	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	9	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
10	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	10	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
11	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	11	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
12	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	12	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
13	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	13	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
14	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	14	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
15	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	15	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
16	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	16	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
17	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	17	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
18	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	18	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
19	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	19	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe
20	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe	20	1/4 Sec. 1, 1/4 Sec. 2, 1/4 Sec. 3, 1/4 Sec. 4	160	John Doe

The above information was obtained from the records of the Department of the Interior, Bureau of Land Management, on the subject of the above-captioned land.



Pennsylvania Power & Light Company

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

Bruce D. Kenyon
Vice President-Nuclear Operations
215/770-7502

OCT 20 1983

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

SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT 31 TO LICENSE NPF-14
ER 100450 FILE 841-8
PLA-1910

Docket No. 50-387

Reference: Letter, PLA-1340, N. W. Curtis to R. C. Haynes, dated October 12, 1982.

Dear Mr. Schwencer:

The purpose of this letter is to propose a change to Table 4.8.1.1.2-2 of the Susquehanna Unit 1 Technical Specifications.

As described in the referenced letter, PP&L is designed with low vessel pressure interlocks on the Residual Heat Removal (RHR) and Core Spray (CS) pump initiation signals in order to prevent a LOCA-false LOCA condition during two-unit operation. In that letter, PP&L informed the NRC that these interlocks were being deleted for one unit operation because of a concern that the RHR or CS pumps could start simultaneously with the Emergency Service Water (ESW) pumps. This would have resulted in unacceptable voltages during the motor starts and unacceptable motor start times.

In order to support two-unit operation (for which the low pressure interlocks are required), PP&L has developed a logic modification which requires the re-initialization of the ESW pump load sequence timers in order to prevent the potential concurrent pump starts. The new logic will re-initialize the ESW timer only if the ESW pumps have not started before the RHR or CS pumps; if an ESW pump has started, it will remain in operation.

8310250246 831020
PDR ADDCK 05000387
P PDR

13001
1/1 W/Deck
\$4,000

OCT 20 1983

Page 2

SSES PLA-1910
ER 100450 File 841-8
Mr. A. Schwencer

The times proposed in this letter (44 and 48 seconds, respectively, see Attachment A) will ensure that the ESW system will be filled if only the C and D timers are re-initialized, and we believe that this will result in acceptable water hammer loads. These times were previously changed to their current values in order to stagger start the pumps which mitigates water hammer effects in the system (Reference Amendment 3 to License No. NPF-14).

NO SIGNIFICANT HAZARDS DETERMINATION

- I. The proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated. PP&L has re-evaluated the two unit diesel generator load sequence study and the two unit offsite power supply voltage study; they are not adversely affected by the proposed change. Additionally, as stated above, we believe that the effects of water hammer will be mitigated by the proposed action.
- II. The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated. As outlined in I above, each area of potential concern has been determined to be within the constraints of previous design and safety analyses. Therefore, no new concerns are created.
- III. The proposed change does not involve a significant reduction in a margin of safety, for the following reasons:
 1. The two unit offsite power supply voltage study and the two unit diesel generator load sequence study are not adversely affected by the proposed change.
 2. Water hammer loads are minimized by the proposed change, which ensures that the ESW system will be filled if only the C and D timers are re-initialized.
 3. No other margin of safety as defined in the basis for any other Technical Specification is adversely affected by this change.

As stated earlier, this change reflects restrictions which are required for two unit operation. Therefore, your cooperation in the issuance of this change, if approved, in a manner that supports our current Unit 2 Operating License schedule of January 1, 1984 is appreciated.

OCT 20 1983

Page 3

SSES PLA-1910
ER 100450 File 841-8
Mr. A. Schwencer
A

If you have any questions, please contact Mr. R. Sgarro at (215) 770-7855. Pursuant to 10CFR170.22, the appropriate fees are enclosed for a Class III amendment.

Very truly yours,



B. D. Kenyon
Vice President-Nuclear Operations

Attachment

cc: R. L. Perch - USNRC
D. L. Hoffman - USNRC

Mr. T. M. Gerusky, Director
Bureau of Radiation Protection Resources
Commonwealth of Pennsylvania
P.O. Box 2063
Harrisburg, PA 17120