

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8207200309 DOC. DATE: 82/07/14 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME AUTHOR AFFILIATION
 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Confirms 820702 itelcon re seismic qualification review team documentation. HPCI sys not used in single sys path to cold shutdown. HPCI turbine undergoing NUREG-0588, Category I testing at Wyle Lab.

DISTRIBUTION CODE: 8001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR 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/EOB 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/OPB 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	<u>REG FILE</u> 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

THE
FEDERAL BUREAU OF INVESTIGATION
DEPARTMENT OF JUSTICE

WASHINGTON, D. C. 20535

OFFICE OF THE DIRECTOR

UNITED STATES DEPARTMENT OF JUSTICE

FEDERAL BUREAU OF INVESTIGATION

WASHINGTON, D. C. 20535

CONFIDENTIAL

NO.	NAME	ADDRESS	CITY	STATE	ZIP
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50



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 14 1982

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

SUSQUEHANNA STEAM ELECTRIC STATION
RESPONSE TO SQR T REVIEW QUESTIONS
ER 100450 FILE 843
PLA-1200

Docket Nos. 50-387
50-388

Dear Mr. Schwencer:

This letter is provided to confirm information provided verbally to your Mr. A. Lee and Mr. T. Collins during our telephone conversation of July 2, 1982 regarding SQR T documentation previously provided to the staff in PLA-1145 dated June 28, 1982 and PLA-1147 dated June 29, 1982.

Justification for Interim Operation of the HPCI Turbine:

1. The HPCI system is not used in the SSES single system path to cold shutdown (ADS and RHR-LPCI).
2. The HPCI turbine is presently undergoing NUREG 0588, Category I, testing at Wyle Lab. by a group of BWR owners (Shereham, Hope Creek, Limerick, etc.). The dynamic portion of the sequential test program is presently scheduled for completion by early September 1982. Since the present startup schedule for SSES has 20% power generation, which is the minimum steam level required to operate the HPCI turbine, scheduled for mid October 1982, test results, in the form of raw data, should be available to substantiate qualification prior to operation of the turbine.
3. The HPCI turbine has been seismically qualified by a static analysis. Additionally, the turbine electronic governor assembly has been dynamically tested in accordance with IEEE-344-1975 to seismic only loads. With respect to natural frequency, a turbine governor similar to the one use at SSES was tested in 1976.

Boo!

8207200309 820714
PDR ADDCK 05000387
A PDR

1941
1942
1943
1944
1945

1946
1947

1948
1949
1950
1951
1952

1953
1954
1955
1956
1957
1958
1959
1960

1961
1962
1963
1964
1965

1966
1967
1968
1969
1970

1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050

JUL 14 1982

2

SSES PLA-1200
ER 100450 File 843
Mr. A. Schwencer

During this test no resonance was observed up to 35 Hz. In 1979, another test was performed with a governor mounted on a RCIC turbine. Resonance was observed up to 100 Hz (Horizontal-24, 32, 45, 70 & 90; vertical-54, 60 & 63) but they were inconclusive because the governor was mounted on the turbine.

Condensate Storage Tank Level Instrumentation:

Condensate storage tank level instruments LSSL-1N002 (E41-N002) and LSSL-1N003 (E41-N003) are arranged in parallel (i.e. the contacts are in parallel) feeding a single relay coil which actuates a level alarm. In addition, there is a level alarm (LAHL 00814A) in the control room fed from an independent level switch (LSL 00814A) and a level recorder (LR-00812) fed from an independent level transmitter (LT 00812A). This level transmitter also feeds a computer point (CSL 01).

Suppression pool level transmitters E41-N015 A&B are arranged in parallel (i.e. the contacts are in parallel) feeding a single relay coil which actuates a single level alarm (LAH 15515). In addition, there are two independent level recorders in the control room (LR 15776 A&B) that are fed from LT 15775 A&B and LT 15776 A&B. Also, LT 15776 A&B feed computer points MAL 01 and MAL 02.

The two devices questioned in our telephone conversation, E41-N014 and E41-N018, measure drain pot level on the HPCI pump turbine steam inlet and exhaust, respectively.

An additional consideration pertaining to this subject is that the condensate storage tank is not a seismic Category I structure.

DAR References:

DAR Sections 8&9 refer to hydrodynamic load definition history.



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

cc: R. Perch
A. Lee
T. Collins



[Illegible text, possibly a header or introductory paragraph]

[Illegible text, possibly a main body paragraph]

[Illegible text, possibly a concluding paragraph]

[Illegible text, possibly a signature or footer]