

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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ACCESSION NBR: 8401030144 DOC. DATE: 83/12/27 NOTARIZED: NO DOCKET #  
 FACIL: 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388  
 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Submits interim operation justification for equipment not qualified for scum discharge vol break environ, per NUREG-0803. Util endorses BWR Owners Group PRA, NEDO-22209.

DISTRIBUTION CODE: B0018 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys. 05000388

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	NRR LB2 LA	1 0	PERCH, R. 01	1 1
INTERNAL:	ELD/HDS4	1 0	IE FILE	1 1
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	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
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	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	REG FILE 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
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INTERNAL:		EXTERNAL:		NOTES:	
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IE\DE\AV	1	IE\DE\AV	1	IE\DE\AV	1
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NR\DSI\RSB	1	NR\DSI\RSB	1	NR\DSI\RSB	1
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NR\DSI\CSB	1	NR\DSI\CSB	1	NR\DSI\CSB	1
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IE\DE\AV	1	IE\DE\AV	1	IE\DE\AV	1
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IE FILE	0	IE FILE	1	IE FILE	1
NR\LS\LA	1	NR\LS\LA	1	NR\LS\LA	1
NR\LS\BC	0	NR\LS\BC	1	NR\LS\BC	1

NOTES: 1) WMS\FCA\FPM. LTR 57s.

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TITLE: Licensing Submittal: PS&R\SR Amts & Related Correspondence  
 DISTRIBUTION CODE: 8015 COPIES RECEIVED: LTR ENCL SIZE: \_\_\_\_\_

SUBJECT: Submitte interim operation justification for equipment not qualified for serum discharge vol prep environ, per NUREG-0803. Util endorsees NRC Owners Group PRA, MFD-550A.

SCHWENGER, A. RECIPIENT NAME  
 CURTIS, W.W. RECIPIENT AFFILIATION  
 Pennsylvania Power & Light Co. RECIPIENT AFFILIATION  
 AUTHORITY AFFILIATION  
 FACIL: 20-388 Susquehanna Steam Electric Station, Unit 5, Pennsylvania  
 ACCSSION NR: 8401030144 DOC. DATE: 8/21/57 NOTARIZED: 00



**Pennsylvania Power & Light Company**

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

Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear  
215/770-7501

**DEC 27 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  
NUREG-0803 UNIT II INTERIM OPERATION JUSTIFICATION  
ER 100508 FILE 206  
PLA-2011

Docket No. 50-388

Reference: PLA-1292, dated 9/14/82

Dear Mr. Schwencer:

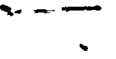
The following provides interim operation justification for Susquehanna Unit II for equipment not qualified for an SDV break environment, as specified in Section 5.3 of NUREG-0803. The above-referenced letter provided PP&L's response on this item for Unit I. That response included a single path to cold shutdown for which an acceptable justification exists, a list of affected mitigation and leak detection components, and a description of the Susquehanna break environment.

Upon comparison of the Unit I NUREG-0803 Interim Operation Justification with the Unit II Reactor Building design, we have concluded that the same single path to cold shutdown used for Unit I is available for use on Unit II. This path is comprised of the condensate system for providing extended core cooling and the Automatic Depressurization System (ADS) for achieving reactor blowdown. The list of affected components for Unit II is the same as Unit I, with the exception of those components listed in attachment 1. The SDV Break Environment for Unit II has not been finalized at this time; however, preliminary results indicate that it is similar to that of Unit I. It is anticipated that the final results will show the Unit II environment to be equal to or less severe than the Unit I environment.

The above provides Interim Operation Justification for Susquehanna Steam Electric Station Unit II without fully qualified mitigation/identification equipment for the SDV Break Environment. However, Pennsylvania Power & Light Co. endorses the BWR Owner's Group PRA, NEDO-22209: "Analysis of Scram Discharge Volume System Piping Integrity"; and the subsequent "Scram Discharge Pipe Integrity Response to NRC Request for Information"; dated November 18, 1983; and maintains that these documents eliminate the need to perform

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DEC 27 1983

Page 2

SSES PLA-2011  
ER 100508 File 206  
Mr. A. Schwencer

additional equipment qualification for NUREG-0803. If you have any questions, please feel free to contact W. W. Williams (215) 770-7856.

Very truly yours,



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

cc: R. L. Perch - NRC

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THE UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

## ATTACHMENT "1"

## LIST OF UNIT II ADDED COMPONENTS

<u>Equipment No.</u>	<u>Description</u>
HV-E11-2F006A,B,C,D	RHR Pump Shutdown Cooling Mode Suction Valves
HV-E11-2F007A,B	RHR Pump Min Flow Valve
2V222A,B	Emergency Switchgear Room Unit Cooler Motors
2ATS 219, 229	Auto Transfer Switches for MCC 2B-219 & 229
2B236, 246	Reactor Area Engr Safeguard MCCs
2D254, 264	250VDC Reactor Bldg Control Centers
2G202	Swing Bus M-G Set
2S246, 247	Load Iso M-G Set Motor
2X210,220,230,240	ESF Load Center Transformers
2X216,226,236,246	Instrument AC Transformers for ESS Buses
2Y216,226,236,246	120V Inst. AC Dist. Panels
LT-25776A,B	Suppression Pool Level Indication
LITS-B21-2N037A&B	Reactor Level Indication
HSS-25110 thru 25117A&B	Remote Shutdown Panel Transfer Switches
PS-B31-2N018A,B	High Pressure Interlock for Shutdown Cooling Valves HV-E11-2F008 & 9
HD,HDM 27601A,B; 27602A,B; 27657A,B	Recirc Ventilation System Dampers and Damper Motors
TSH-27631A,B, FSL-27630A,B	Emergency Switchgear Room Cooling Unit
HD, HDM 27630A,B	Emergency Switchgear Room Cooling Unit Dampers
HV-E41-2F042	HPCI Pump Suction from S. Pool
HV-E41-2F004	HPCI Pump Suction from CST
LIS-B21-2N031A,B,C,D	Reactor Low Level
PSH-E41-2N027	HPCI Pump Discharge Pressure

The following information was obtained from the records of the  
 Department of the Interior, Bureau of Land Management, regarding  
 the land parcels described herein. The information is being  
 furnished to you for your information and use. It is not to be  
 construed as a warranty of accuracy or completeness.

The land parcels described herein are located in the  
 County of [County Name], State of [State Name]. The parcels  
 are described as follows:

Parcel 1: [Parcel Description]  
 Parcel 2: [Parcel Description]  
 Parcel 3: [Parcel Description]  
 Parcel 4: [Parcel Description]  
 Parcel 5: [Parcel Description]  
 Parcel 6: [Parcel Description]  
 Parcel 7: [Parcel Description]  
 Parcel 8: [Parcel Description]  
 Parcel 9: [Parcel Description]  
 Parcel 10: [Parcel Description]  
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 Parcel 98: [Parcel Description]  
 Parcel 99: [Parcel Description]  
 Parcel 100: [Parcel Description]



<u>Equipment No.</u>	<u>Description</u>
PT-E41-2N019	HPCI Pump Discharge Pressure
LIS-B21-2N024B,D	Reactor High Level
PSL-E41-2N031	HPCI Pump Suction Pressure
PT-E41-2N016	HPCI Turbine Discharge Pressure
PSH-E41-2N017A,B	HPCI Turbine Discharge Pressure
2D-264	MCC for HPCI MOV's
TB-0194,5	HPCI Turbine Controls
SV-25661	HPCI Turbine Trip
HV-E41-2F006	HPCI Injection Valve
HV-E41-2F001	HPCI Turbine Steam Supply
FT-E41-2N008	HPCI Pump Discharge Flow
FISHL-E41-2N006	HPCI Pump Discharge Flow

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