

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8211160166 DOC, DATE: 82/11/11 NOTARIZED: YES DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387  
 AUTH. NAME AUTHOR AFFILIATION  
 CURTIS, N.W. Pennsylvania Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Application for Amend 14 to License NPF-14, changing Item 5 of SER Section 3,10,2,1 referenced in License Condition 2.C. 23. Change raises limitation on operation of recirculation discharge valves to 25 cycles w/o motor brakes.

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

NOTES: *w/Check \$4,000*

RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR 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/DEP EPDS 35	1 1	IE/DEP/EPLB 36	3 3
NRR/DE/AEAB	1 0	NRR/DE/CEB 11	1 1
NRR/DE/EQB 13	2 2	NRR/DE/GB 28	2 2
NRR/DE/HGEB 30	1 1	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/LGB 32	1 1
NRR/DHFS/OLB 34	1 1	NRR/DL/SSPB	1 0
NRR/DSI/AEB 26	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
<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	1	FEMA-REP DIV 39	1	1
LPDR 03	2	2	2	NRC PDR 02	1	1
NSIC 05	1	1	1	NTIS	1	1

*ADL*

REPORT OF THE COMMISSIONER OF AGRICULTURE  
ON THE PROGRESS OF AGRICULTURE IN THE UNITED STATES  
DURING THE YEAR 1880

Section on the progress of agriculture in the United States during the year 1880. The section is divided into two parts, the first of which contains a general statement of the progress of agriculture in the United States during the year 1880, and the second of which contains a statement of the progress of agriculture in each of the States and Territories of the Union during the year 1880.

Table showing the progress of agriculture in the United States during the year 1880. The table is divided into two parts, the first of which contains a general statement of the progress of agriculture in the United States during the year 1880, and the second of which contains a statement of the progress of agriculture in each of the States and Territories of the Union during the year 1880.

State or Territory	Value of products	Value of live stock	Value of manufactures	Total value
Alabama	1,000,000	2,000,000	1,000,000	4,000,000
Arkansas	1,000,000	2,000,000	1,000,000	4,000,000
California	1,000,000	2,000,000	1,000,000	4,000,000
Colorado	1,000,000	2,000,000	1,000,000	4,000,000
Connecticut	1,000,000	2,000,000	1,000,000	4,000,000
Delaware	1,000,000	2,000,000	1,000,000	4,000,000
Florida	1,000,000	2,000,000	1,000,000	4,000,000
Georgia	1,000,000	2,000,000	1,000,000	4,000,000
Idaho	1,000,000	2,000,000	1,000,000	4,000,000
Illinois	1,000,000	2,000,000	1,000,000	4,000,000
Indiana	1,000,000	2,000,000	1,000,000	4,000,000
Iowa	1,000,000	2,000,000	1,000,000	4,000,000
Kansas	1,000,000	2,000,000	1,000,000	4,000,000
Kentucky	1,000,000	2,000,000	1,000,000	4,000,000
Louisiana	1,000,000	2,000,000	1,000,000	4,000,000
Maine	1,000,000	2,000,000	1,000,000	4,000,000
Maryland	1,000,000	2,000,000	1,000,000	4,000,000
Massachusetts	1,000,000	2,000,000	1,000,000	4,000,000
Michigan	1,000,000	2,000,000	1,000,000	4,000,000
Minnesota	1,000,000	2,000,000	1,000,000	4,000,000
Mississippi	1,000,000	2,000,000	1,000,000	4,000,000
Missouri	1,000,000	2,000,000	1,000,000	4,000,000
Montana	1,000,000	2,000,000	1,000,000	4,000,000
Nebraska	1,000,000	2,000,000	1,000,000	4,000,000
Nevada	1,000,000	2,000,000	1,000,000	4,000,000
New Hampshire	1,000,000	2,000,000	1,000,000	4,000,000
New Jersey	1,000,000	2,000,000	1,000,000	4,000,000
New Mexico	1,000,000	2,000,000	1,000,000	4,000,000
New York	1,000,000	2,000,000	1,000,000	4,000,000
North Carolina	1,000,000	2,000,000	1,000,000	4,000,000
North Dakota	1,000,000	2,000,000	1,000,000	4,000,000
Ohio	1,000,000	2,000,000	1,000,000	4,000,000
Oklahoma	1,000,000	2,000,000	1,000,000	4,000,000
Oregon	1,000,000	2,000,000	1,000,000	4,000,000
Pennsylvania	1,000,000	2,000,000	1,000,000	4,000,000
Rhode Island	1,000,000	2,000,000	1,000,000	4,000,000
South Carolina	1,000,000	2,000,000	1,000,000	4,000,000
South Dakota	1,000,000	2,000,000	1,000,000	4,000,000
Tennessee	1,000,000	2,000,000	1,000,000	4,000,000
Texas	1,000,000	2,000,000	1,000,000	4,000,000
Vermont	1,000,000	2,000,000	1,000,000	4,000,000
Virginia	1,000,000	2,000,000	1,000,000	4,000,000
Washington	1,000,000	2,000,000	1,000,000	4,000,000
West Virginia	1,000,000	2,000,000	1,000,000	4,000,000
Wisconsin	1,000,000	2,000,000	1,000,000	4,000,000
Wyoming	1,000,000	2,000,000	1,000,000	4,000,000



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

NOV 11 1982

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

SUSQUEHANNA STEAM ELECTRIC STATION  
PROPOSED AMENDMENT 14 TO LICENSE NO. NPF-14  
ER 100450 FILE 841  
PLA-1393

Docket No. 50-387

Dear Mr. Schwencer:

The purpose of this letter is to request a change to Item 5 of Section 3.10.2.1 of the Susquehanna SES Safety Evaluation Report, Supplement Number 3. This SER section is referenced as part of License Condition 2.C.23.

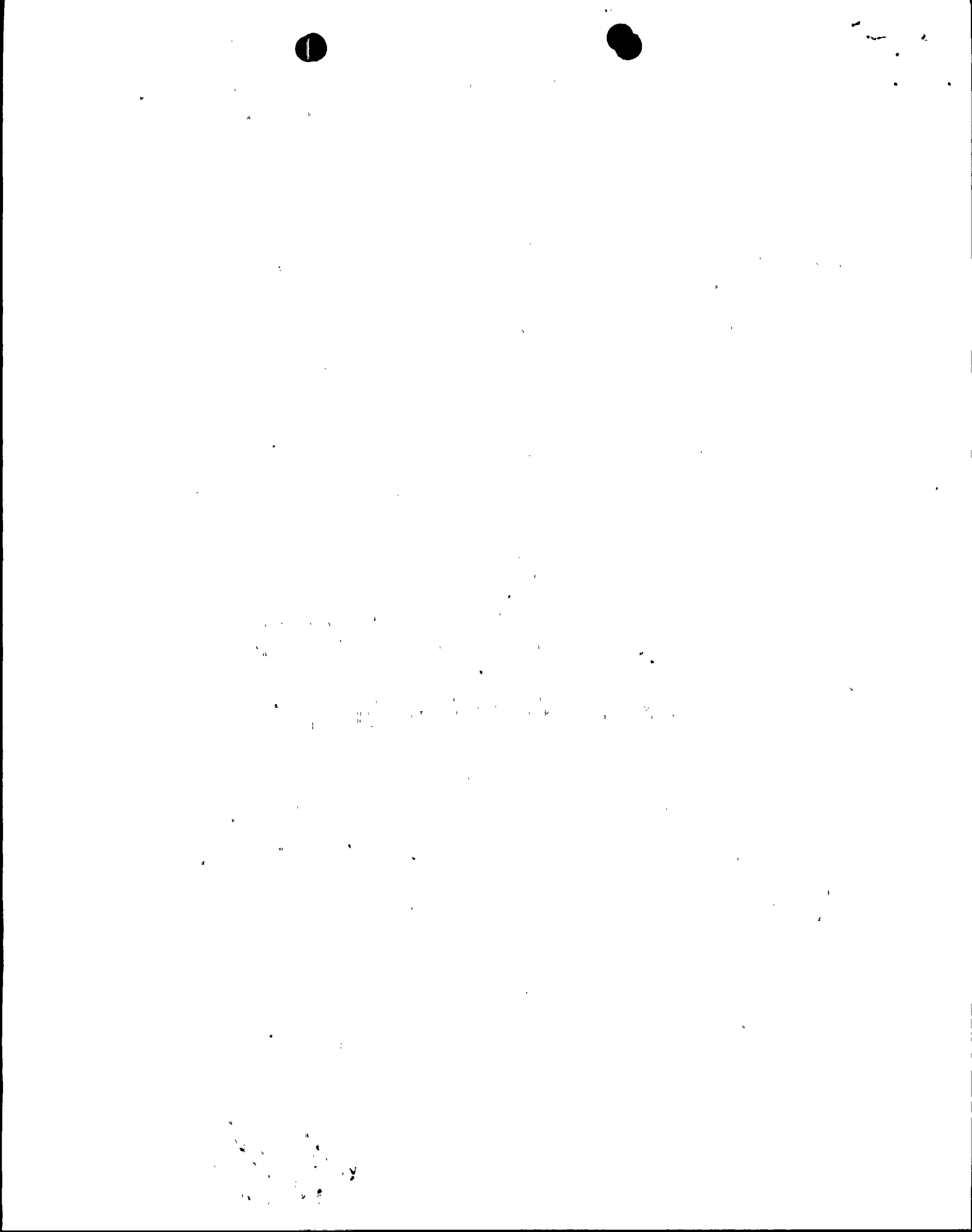
Item 5 of Section 3.10.2.1 of the Susquehanna SES Safety Evaluation Report, Supplement Number 3, places a 10-cycle limitation on the operation of recirculation discharge valves (HV-1F031 A&B) once the Limitorque motor brakes have been removed. Pennsylvania Power & Light Company has been informed by General Electric Company that they and Lunkenheimer Valve Company have determined that these valves can be operated up to 25 cycles without the motor brakes installed.

Pennsylvania Power & Light Company has confirmed with Lunkenheimer Valve Company that an increase from 10 to 25 cycles of operation of the reactor recirculation system discharge valves without the brake was acceptable. The basis for the acceptability of the 25 cycles is that the valves have been wired for limit switch (position) seating rather than torque switch seating during the period from removal of the brakes to the conversion or replacement of the motor actuators. This wiring was performed under the direction of a Lunkenheimer representative.

With position seating, there is some uncertainty as to the degree of closure of the valve. Ideally the valve will close just clear of the seat thereby limiting either seat damage from hard closure or excessive seat leakage from insufficient closure. In order to assess the affects of seat leakage, GE calculated the impact on Peak Clad Temperature (PCT) of various leakage rates. The results follow:

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PDR ADDCK 05000387  
P PDR

Boo!  
w/ check  
\$4,000



NOV 11 1982

Page 2

SSES PLA-1393  
ER 100450 File 841  
Mr. A. Schwencer

% Loss of RHR  
Cooling from 23, 200gpm

°F Increase in  
PCT from 1790°F

1%  
10%  
30%

10°F  
53°F  
200°F

We would expect no excessive seat leakage due to 25 cycles of operation; however as shown above, up to 30% seat leakage could be tolerated and still keep the PCT below the 2200°F limit. Therefore there is no safety impact from the effect of hard seating.

The above results apply to the LOCA (recirculation suction line break) which is the only case requiring valve closure.

The proposed change has been determined to be Class III in nature and the appropriate fee is enclosed.

Very truly yours,

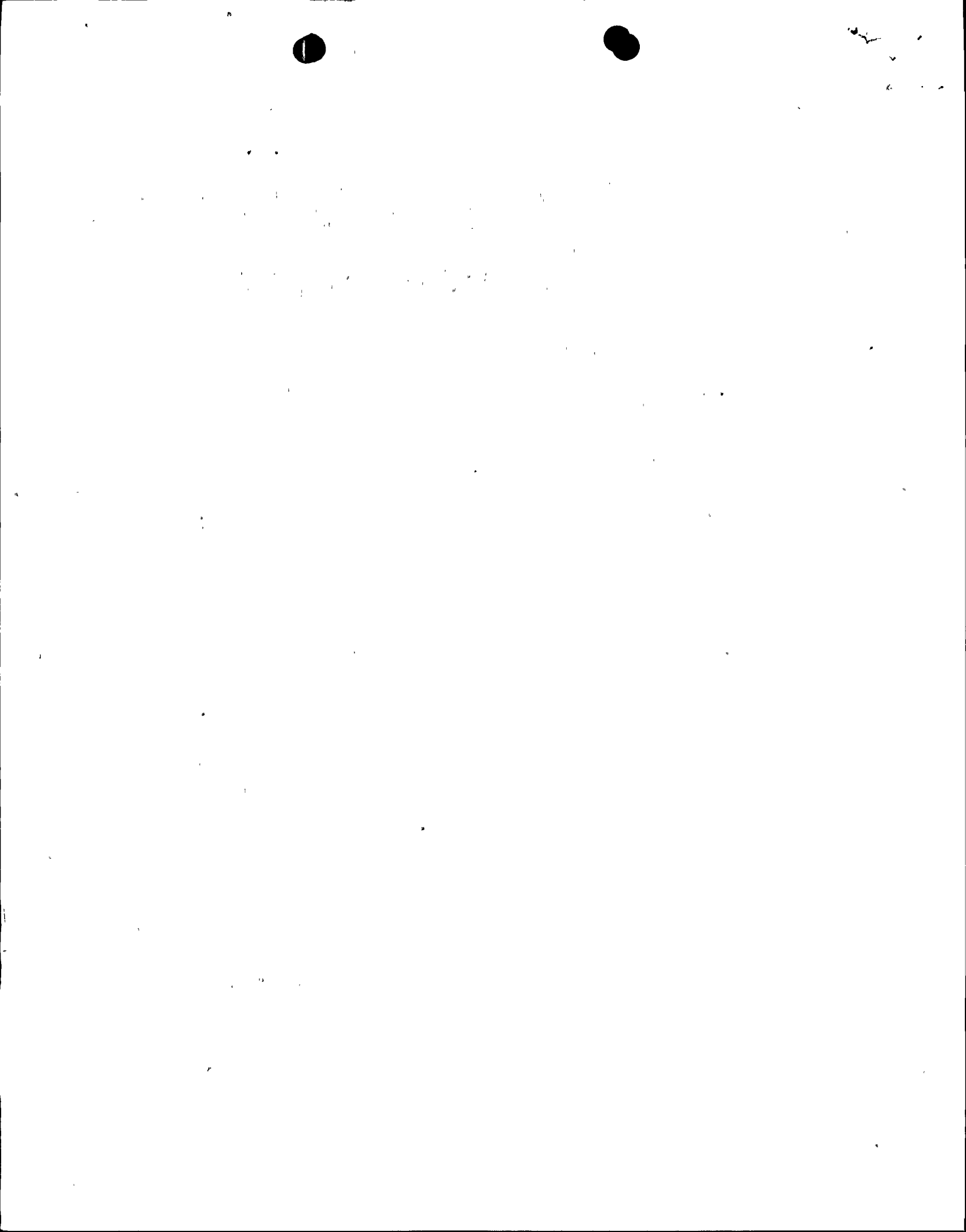


N. W. Curtis  
Vice President-Engineering & Construction-Nuclear

CTC/mks

Enclosure

cc: R. L. Perch - NRC



BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

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In the Matter of :  
PENNSYLVANIA POWER & : Docket No. 50-387  
LIGHT COMPANY

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AMENDMENT NO. 14


FACILITY OPERATING LICENSE NO. NPF-14  
SUSQUEHANNA STEAM ELECTRIC STATION  
UNIT NO. 1

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Licensee, Pennsylvania Power & Light Company, hereby files Amendment No. 14 to its Facility Operating License No. NPF-14 dated July 17, 1982.

This amendment contains a revision to Item 2.C(23) of the Facility Operating License.

PENNSYLVANIA POWER & LIGHT COMPANY  
BY:



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

Sworn to and subscribed before me  
this 1<sup>st</sup> of November 1982.



Notary Public

MARTHA C. BARTO, Notary Public  
Allentown, Lehigh County, Pa.  
My Commission Expires Jan. 13, 1986

