

**BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION**

In the Matter of

Docket No. 50-388

PENNSYLVANIA POWER &
LIGHT COMPANY

**PROPOSED AMENDMENT No. 117
FACILITY OPERATING LICENSE NO. NPF-22
SUSQUEHANNA STEAM ELECTRIC STATION
UNIT NO. 2**

Licensee, Pennsylvania Power & Light Company, hereby files proposed Amendment No. 117 to its Facility Operating License No. NPF-22 dated March 23, 1984.

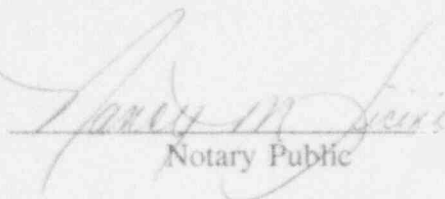
This amendment contains a revision to the Susquehanna SES Unit 2 Technical Specifications.

PENNSYLVANIA POWER & LIGHT COMPANY
BY:



G. T. Jones
Vice President - Nuclear Engineering

Sworn to and subscribed before me
this 27 of November 1993.


Notary Public

NOTARIAL SEAL
NANCY M. LIDINI, Notary Public
Allentown, Lehigh County
Commission Expires April 28, 1994

TABLE 1
TEST CONDITIONS AND TEST PLATEAUS

TEST CONDITION	UPRATE POWER LEVEL ²	CORE FLOW	TEST PLATEAU
A	< 90%	3	A
B	89 - 90%	3	A
C ¹	95 - 96%	3	B
D	97 - 98%	3	C
E	99 - 100%	3	D
N = This test is not required to be performed for power uprate			
NOTES: 1 - The old 100% power level (3293 MWt) is in this test condition at \approx 95.7% power. 2 - 100% power level - 3441 MWt. 3 - Any flow within the safe operating region of the Power/Flow Map that will produce the required power level.			

TABLE 2
FSAR CHAPTER 14 TESTS

TEST CATEGORIES	TEST CONDITIONS ¹					
	A	B	C	D	E	N
1 Chemical and Radiochemical			X		X	
2 Radiation Measurements			X		X	
3 Fuel Loading	X					
4 Full Core Shutdown Margin	X					
5 Control Rod Drive	X					
6 SRM/Cont Rod Seq	O					X
7 Reactor Water Cleanup						X
8 Residual Heat Removal						X
9 Water Level Measurements						X
10 SRM/IRM/Cont Rod Seq	O					X
11 LPRM Calibration	X		X		X	
12 APRM Calibration	X	X	X	X	X	
13 Process Computer						X
14 RCIC	X				X	
15 HPCI	X				X	
16 Selected Process Temperatures						X
17 System Expansion						X
18 TIP Uncertainty					X	
19 Core Performance		X	X	X	X	
20 Steam Production						X
21 Core Power-Void Mode Response						X
22 Pressure Regulator		X	X	X	X	

TEST CATEGORIES	TEST CONDITIONS ¹					
	A	B	C	D	E	N
23 Feedwater	X	X	X	X	X	
24 Turbine Valve Surveillance		X	X	X	X	
25 Main Steam Isolation Valves	X					
26 Relief Valves						X
27 TSV Trip & Gen Load Rejection						X
28 Shutdown From Outside CR						X
29 Recirculation Flow Control					X	
30 Recirculation System						X
31 Loss of T-G & Offsite Power						X
32 Cont Atm & Steam Tunnel Cooling			X		X	
33 Piping Steady State Vibration						X
34 Rod Sequence Exchange						X
35 Recirc System Flow Calibration ²					X	
36 Cooling Water Systems						X
37 Gaseous Radwaste					X	
39 Piping Vib During Dynamic Trans						X

NOTES: Tests 38 and 40 were merged into Tests 17 and 33 in the original startup test program.

¹ Refer to Table 1 for definition of Test Conditions.

X Indicates test is to be performed in indicated test condition with the exception that an X on column N indicates this test is not a required test for power uprate.

O Indicates that test is performed during each startup following a refueling outage.

TABLE 3
ADDITIONAL TESTING REQUIRED BY LICENSE AMENDMENT

TEST CATEGORIES		TEST CONDITIONS ¹					
		A	B	C	D	E	N
42	I&C Surveillances ²	X					
43	Steady State Data Collection		X	X	X	X	

TABLE 4
TECHNICAL SPECIFICATION SETPOINT CHANGE

TEST CATEGORIES		TEST CONDITIONS ¹					
		A	B	C	D	E	N
45	Main Steam Line High Flow					X	
46	Main Steam Line High Tunnel Temp					X	
47	Recirc Single Loop Operation	X					

TABLE 5
FULL POWER SETPOINT ADJUSTMENTS

TEST CATEGORIES		TEST CONDITIONS ¹					
		A	B	C	D	E	N
48	Loose Parts Monitor			X		X	
49	Main Steam Line Rad Monitor			X		X	
50	Core Spray Leak Detection			X		X	

TABLE 6
POWER UPRATE PERFORMANCE TESTS

TEST CATEGORIES		TEST CONDITIONS ¹					
		A	B	C	D	E	N
60	Performance Test					X	

NOTES: Test Numbers do not correspond to any Chapter 14 Tests and are not sequential.

¹ Refer to Table 1 for definition of Test Conditions.

² Prior to the plant condition for which they are required to be operable.

TABLE 7

SUMMARY OF SUSQUEHANNA POWER-UPRATE ATWS RESULTS

TRANSIENT	PEAK RPV PRESSURE (PSIG)	PEAK SUPPRESSION POOL TEMP. (°F)	PEAK CLADDING TEMPERATURE (°F)
MSIV Closure	1317	178.9	1463
Pressure Regulator Failure - Maximum Demand	1283	178.4	1458
Inadvertent Open Relief Valve	1069*	147.4	
Loss of Feedwater	1069*	90.0*	
Feedwater Controller Failure-Maximum Demand	1232	98.1	1299
Turbine Trip	1217	114.1	
Loss of Normal AC Power	1234	161.7	
* No increase.			