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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
 RECIPIENT NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Submits response to request for addl info re 40-yr term for facility OLGE knows of no unreviewed safety issue which prevents extension of period of operation to 40 yrs.

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	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
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	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/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
	NRR/DST/LGB 33	1 1	REG FILE 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 IPDR 02	1 1
	NSIC 05	1 1	NTIS	1 1



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JUL 09 1982

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

SUSQUEHANNA STEAM ELECTRIC STATION
FORTY YEAR OPERATING LICENSE
ER 100450 FILE 841-2
PLA-1181

Dear Mr. Schwencer:

In response to your request for additional information regarding the 40 year term for the Susquehanna operating license, PP&L provides the following information.

Upon our request, General Electric has confirmed that 40 year operation is not a limiting condition for:

1. Safety Analysis (transients or accidents)
2. Design of NSSS equipment, vessel, core, or reactivity control equipment, and in vessel equipment.
3. Design of ECCS.

In addition, GE knows of no unreviewed safety issue which prevents the extension of the period of operation to 40 years.

Our architect-engineer, Bechtel, has confirmed that systems and equipment within their scope of supply were designed for a 40 year service life assuming the plant is operated according to approved procedures and normal maintenance is carried out.

We have reviewed the population projections contained in the Environmental Reports submitted for Susquehanna. The following table compares that information for 10 and 50 mile radii about the plant.

<u>Distance</u>	<u>Year</u>	<u>Env. Report-Const. Permit Estimate</u>	<u>Env. Report-Oper. License Estimate</u>
10 miles	2020	78,940	57,327
50 miles	2020	2,406,233	1,582,227

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In addition, based on the declining population trend; we estimated the 2030 population to be 55,474 and 1,549,168 people for 10 and 50 mile radii, respectively.

The environmental impacts discussed in PP&L's Environmental Reports and in the Susquehanna Final Environmental Statement-OL Stage were reviewed. We have concluded that there will be no significant adverse impacts due to extending the period of operation to 40 years. There will be positive impacts of the extended operation including additional years of state tax benefits, additional years of benefits to the local economy from employee and company expenditures, lower cost of electricity to our customers because of a longer capital recovery period, and deferral of costs for new capacity additions to replace Susquehanna.

If you require additional information, please call W.E. Barberich.

Very truly yours,



N.W. Curtis

cc: R.L. Perch NRC
G. Rhoads NRC

