

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387  
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 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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RGN1		2	2	RM/DDAMI/MIB		1	0
EXTERNAL: ACRS	41	10	10	BNL (AMDTS ONLY)		1	1
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# 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 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

