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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME AUTHOR AFFILIATION
 CURTIS, N. W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Supplements 820430 ltr re const completion & assurance that plant conforms w/designer intent & regulatory requirements.

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<u>REG FILE</u> 04	1	1	RGN1	2	2

EXTERNAL: ACRS 41	10	10	BNL (AMDTS ONLY)	1	1
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RECIPIENT NAME: DENTON, H. R.
OFFICE OF Nuclear Reactor Regulation, Director
RECIPIENT AFFILIATION:
PENNACIA'S Power & Light Co.
AUTHOR AFFILIATION:
PENNACIA'S Power & Light Co.

SUBJECT: Supplemental 850430 for the cost completion & assurance that plant conforms with design intent & regulatory requirements.

TITLE: READER ANDTS and Related Correspondence
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EXTERNAL:							
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	LDR	03	1		LDR	03	1
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	MIS	02	1		MIS	02	1
	ARC PDR	02	1		ARC PDR	02	1
	HEMA-REP DIV	03	1		HEMA-REP DIV	03	1
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Pennsylvania Power & Light Company

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Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
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June 28, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
NOTIFICATION OF UNIT 1 CONSTRUCTION COMPLETION
ER 100450 File 841
PLA-1117

Docket No. 50-387

Dear Mr. Denton:

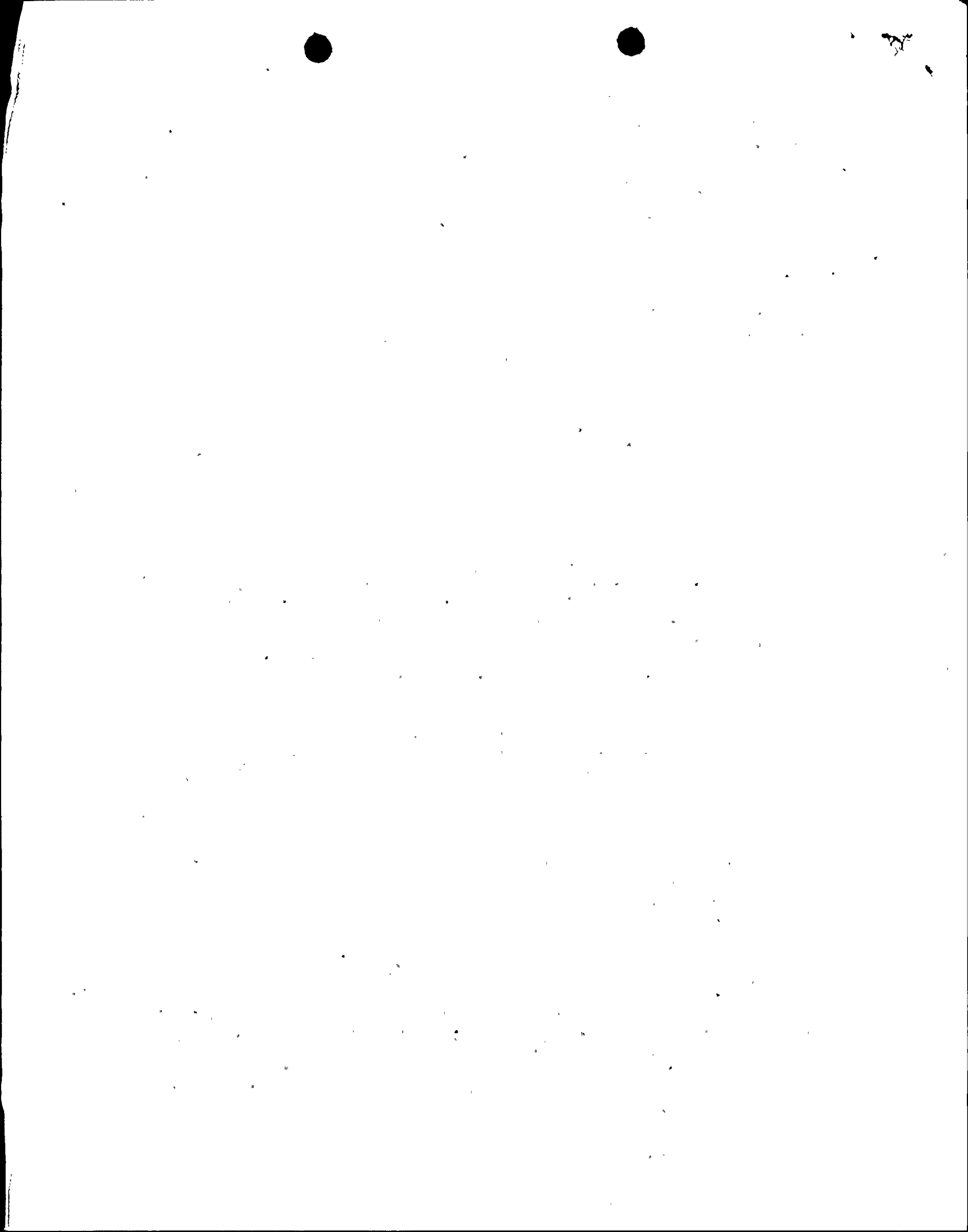
It has been recent practice for operating license applicants to provide NRC with notification of construction completion and assurance that the plant conforms with the designer's intent and regulatory requirements. Since construction of Susquehanna Steam Electric Station, Unit 1, is substantially complete, I would like to supplement my letter of April 30, 1982 (PLA-1074) and provide the following as assurance that its design has been implemented as intended.

A quality design and construction control program has been in place throughout the life of the project. PP&L's program was developed to provide the means of controlling this process. This program is in compliance with and exceeds the requirements of 10CFR50, Appendix B. Through the design process, the QA programs of PP&L and our contractors have verified that quality standards and control measures have been met. PP&L has not allowed its contractors to function without PP&L participation. We have been extensively involved in their activities and have established strong interfaces with the AE/constructor and NSSS vendor for both home office and field activities.

PP&L has built a competent engineering organization of over 100 people with about 500 manyears of nuclear experience to oversee the activities of its contractors. We are determined to remain involved, to participate in the decision process for specifying designs and equipment, to monitor installation practices and to be accountable for the quality of the final product. We believe that personal involvement by our managers and engineers is the key to final quality, and we intend to continue emphasizing that point throughout our organization.

Boo1

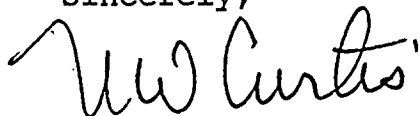
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PDR ADDCK 05000387
A PDR



The PP&L QA program has been extensively supplemented and tested by independent third party reviews to test our programs and provide further assurances. These reviews have provided valuable insight into the effectiveness of design control measures and the QA program. The reviews have included a quality assessment of the Advanced Control Room (EG&G-WASC, Inc., 1980); a review of piping analysis methodology (Teledyne Engineering, 1979); a design review of HVAC system calculations (EDS Nuclear, 1981); a safety system walkdown (MPR Associates, 1980); and an evaluation of containment SRV and chugging load definition (SRI International, 1980). An independent piping design review by Teledyne Engineering is nearly complete. A management review by Management Analysis Company in 1981 was generally favorable and cited two areas where PP&L's efforts "exceeded those of most other utilities." These included auditing and public communications.

Many means of design verification have been employed to assure that our quality standards have been met or exceeded. Positive feedback has been received in the form of a high success rate in the pre-operational testing program which is totally controlled by PP&L and provides the final verification of design adequacy. In addition, I have personally been involved full time in the design and construction process and have probed into areas of the project and questioned individuals at all levels and I am convinced that our program has functioned well. I am reasonably confident that our program of design control and verification has been effective and has produced a plant whereby the design and construction are in conformance with the regulatory requirements and licensee commitments contained in the FSAR.

Sincerely,



N.W. Curtis

/kh

cc-R. Haynes
R. Perch
G. Rhoads
R. Tedesco
J. Youngblood

Attachment-PLA-1074

