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 AUTH. NAME AUTHOR AFFILIATION
 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Comments on 800714-16 meeting w/NRC in Bethesda, MD to resolve issues & answer questions on FSAR Sections 3.6-10. Open issues were resolved & meeting was productive. Licensing managers should have input in selecting meeting location.

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	OELD	1	0	POWER SYS BR	1	0
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JUL 28 1980



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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In addition, it is noted that the records should be kept up-to-date and organized in a logical manner. This will facilitate the identification of trends and anomalies over time. The document also mentions that the information should be accessible to all relevant parties, while maintaining appropriate security measures.

The second part of the document outlines the specific procedures for data collection and entry. It details the steps involved in gathering information from various sources and how it should be formatted for consistency. The importance of double-checking entries for accuracy is also highlighted.

Finally, the document concludes by stating that the goal is to create a reliable and comprehensive database that can be used for reporting and decision-making. It encourages a commitment to high standards of data integrity and accuracy throughout the entire process.

ID	Name	Address	Phone	Email
001	John Doe	123 Main St	555-1234	john.doe@example.com
002	Jane Smith	456 Elm St	555-5678	jane.smith@example.com
003	Bob Johnson	789 Oak St	555-9012	bob.johnson@example.com
004	Alice Brown	101 Pine St	555-3456	alice.brown@example.com
005	Charlie Davis	202 Cedar St	555-7890	charlie.davis@example.com
006	Eve White	303 Birch St	555-2345	eve.white@example.com
007	Frank Green	404 Spruce St	555-6789	frank.green@example.com
008	Grace Black	505 Willow St	555-0123	grace.black@example.com
009	Henry Blue	606 Ash St	555-4567	henry.blue@example.com
010	Ivy Red	707 Hickory St	555-8901	ivy.red@example.com

The following table provides a summary of the data collected during the initial phase of the project. It shows the total number of records for each category and the average values for key variables.

Category	Count	Avg Value
Group A	5	12.5
Group B	3	8.7
Group C	2	15.1

These results indicate a clear trend in the data, suggesting that the variables are positively correlated with the category groups. Further analysis is required to determine the underlying causes of these patterns.

The document also includes a section on data quality control. It describes the methods used to identify and correct errors in the dataset. This includes regular audits and the implementation of validation rules to prevent future mistakes.

In conclusion, the project has successfully gathered and organized a large volume of data. The next steps involve analyzing this information to extract meaningful insights and reporting the findings to the relevant stakeholders.

PP&L

50-387
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TWO NORTH NINTH STREET, ALLENTOWN, PA. 18101 PHONE: (215) 821-5151

July 18, 1980

NORMAN W. CURTIS
Vice President-Engineering & Construction-Nuclear
821-5381

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA SES
REVIEW OF FSAR SECTIONS 3.6-10
ER 100450 FILE 841-2
PLA 510

Dear Mr. Eisenhut:

In an NRC staff letter dated April 21, 1980, Pennsylvania Power and Light Company was requested to participate in a meeting to directly resolve issues and answer staff questions on FSAR Sections 3.6-10. The objective was to resolve each open issue so that staff would then be in a position to produce a final draft SER without further iterations of written questions and answers.

The meeting was held in Bethesda on July 14-16, 1980. The purpose of this letter is to provide you with our assessment of the process used and the results.

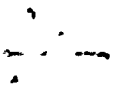
This was an extremely productive session which resulted in resolution of all open issues. All staff questions were either answered during the meeting or will be answered shortly when we submit a small amount of additional information. I was particularly impressed by the level and quality of preparation demonstrated by both staff and licensee personnel. The preparation in advance of a draft SER was most helpful to us in this regard for it helped us to focus our efforts on issues known to be of concern to NRC.

While I cannot state at this time that face-to-face joint review of FSAR sections will ultimately result in a reduction in manpower requirements, it will certainly significantly reduce the time required to complete the review of our docket and will lead to a result that is of higher quality than is obtained with normal reviews.

300
S/D

PENNSYLVANIA POWER & LIGHT COMPANY

8007250529



Mr. Darrell G. Eisenhut
Page 2

I am enthusiastic about the results of this trial program and strongly urge NRC to extend its application to other sections of the FSAR. We are prepared to work with your Licensing Manager to develop a schedule for this purpose.

We have one suggestion for improvement. Depending upon the subject under review, our respective licensing managers should have the flexibility of selecting a location for review meetings which optimizes the availability of technical people and data. This can improve the exchange of information and reduce review time.

Very truly yours,

A handwritten signature in cursive script that reads "N. W. Curtis". The signature is written in dark ink and is positioned above the printed name.

N. W. Curtis



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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 11, 1980

50-387

TO ALL APPLICANTS FOR OPERATING LICENSES AND CONSTRUCTION PERMIT HOLDERS

In the process of establishing priorities for the licensing reviews of operating license applications, we rely principally on the best estimates of the construction completion date of utilities. In most cases, this date will be confirmed or modified by our Caseload Forecast Panel which usually visits a specific plant site no more than once a year. Because of a number of recent slippages in applicants' construction completion schedules, we believe it is appropriate at this time to request up-to-date schedules from all applicants. Accordingly, we are requesting you to advise us of your present best estimate of the construction completion date for your facility (facilities) and fuel load target date so that we may establish our licensing priorities based on the latest available data. For your information, I have enclosed a listing provided to the House Appropriations Subcommittee of target schedules for those plants seeking operating licenses in the next three years. Those applicants not listed in the enclosure should provide the date they plan to tender their Operating License Application (FSAR and ER) to the NRC.

Upon receipt of your response, we anticipate a potential revision to our present licensing review priorities. Note that the order of our priorities is somewhat influenced by a hearing which is required for some of the OL applications. Inasmuch as we are still limited in our casework by our manpower resources, we request that your response be as up-to-date as possible.

Please provide your response within thirty days of receipt of this letter.

Sincerely,

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

ccs w/encl:
Service List



1 2

3 4

TABLE 1
TARGET DATES OF LICENSING STEPS FOR PLANTS SEEKING
OPERATING LICENSES IN THE NEXT THREE YEARS

Plant	FSAR		ER		SER	ACRS	SER * Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLB** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App.Est.	NRC Est.		
<u>EAST CENTRAL AREA RELIABILITY COORDINATION AGREEMENT</u>															
<u>Zimmer 1</u>	5/75	9/75	6/75	9/75	1/79	3/79	10/80E	10/76	6/77	6/79	12/80E	8/80E	2/81E	2/81E	2/81E
<u>Fernal 2</u>	10/74	4/75	10/74	4/75	3/81E	4/81E	6/81E	12/80E	5/81E	7/81E 6/81E	9/81E 8/81E	6/81E	11/81E	11/81E	11/81E
<u>Midland 2</u>	8/77	11/77	3/78	4/78	10/82E	11/82E	1/83E	6/80E	11/80E	2/83E	8/83E	4/84E	4/84E	10/83E	4/84E (1)
<u>Midland 1</u>	8/77	11/77	3/78	4/78	10/82E	11/82E	1/83E	6/80E	11/80E	2/83E	8/83E	9/84E	9/84E	10/83E	9/84E (1)
<u>Harble Hill</u>	6/79	3/82E	6/79	4/83E	1/84E	2/84E	4/84E	11/83E	4/84E	8/84E	1/85E	4/82E	4/85E	3/85E	4/85E (2)
<u>ELECTRIC RELIABILITY COUNCIL OF TEXAS</u>															
<u>Comanche Peak 1</u>	3/78	5/78	3/78	1/79	3/81E	4/81E	6/81E	9/80E	2/81E	9/81E	12/81E	3/81E	2/82E	2/82E	2/82E
<u>South Texas 1</u>	5/78	7/78	5/78	7/78	11/82E	12/82E	3/83E	4/82E	9/82E	4/83E	7/83E	9/83E	9/83E	9/83E	9/83E
<u>MID-ATLANTIC AREA COUNCIL</u>															
<u>Salem 2</u>	8/71	8/71	7/71	7/71	10/71	2/79	4/80E(LP) 10/80E(FP)	10/72	4/73	None	Req'd	2/80	4/80E	NA	4/80E (LP) 10/80E (FP)
<u>Susque- hanna 1</u>	4/78	7/78	5/78	6/78	2/81E	3/81E	5/81E	6/79	11/80E	6/81E 12/80E	8/81E 1/81E	4/81	10/81E	10/81E 3/81E	10/81E
<u>Susque- hanna 2</u>	4/78	7/78	5/78	6/78	2/81E	3/81E	5/81E	6/79	11/80E	6/81E 12/80E	8/81E 1/81E	4/82E	4/83E	10/81E 3/81E	4/83E

Plant	FSAR		LR		SER	ACRS	SIR* Suppl.	DES	FCS*	Hearing**		Const. Comp.***		ASLR** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App.Est.	IRC Est.		
<u>MID-AMERICA INTERPOOL NETWORK</u>															
<u>LaSalle 1</u>	9/76	5/77	10/76	5/77	9/80E	10/80E	12/80E	3/78	11/78	None	Req'd	6/80E	12/80E	NA	12/80E
<u>LaSalle 2</u>	9/76	5/77	10/76	5/77	9/80E	10/80E	12/80E	3/78	11/78	None	Req'd	6/81E	2/82E	NA	2/82E
<u>Byron 1</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	2/81E	7/81E	2/82E 8/80E	4/82E 10/81E	4/82E	7/82E	6/82E 12/81E	7/82E
<u>Byron 2</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	2/81E	7/81E	2/82E 6/81E	4/82E 10/81E	4/83E	7/83E	6/82E 12/81E	7/83E
<u>Braidwood 1</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	1/83E	6/83E	2/82E 7/83E	4/82E 10/83E	5/83E	6/84E	6/82E 12/83E	6/84E
<u>Braidwood 2</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	1/83E	6/83E	2/82E 7/83E	4/82E 10/83E	4/84E	6/85E	6/82E 12/83E	6/85E
<u>Callaway 1</u>	10/79	8/80E	10/79	12/80E	6/82E	7/82E	8/82E	7/81E	12/81E	9/82E	10/82E	10/82E	12/82E	12/82E	12/82E
<u>Clinton 1</u>	12/79	10/80E	12/79	3/81E	9/82E	10/82E	11/82E	10/81E	3/82E	12/82E	1/83E	4/82E	3/83E	3/83E	3/83E
<u>NORTHEAST POWER COORDINATING COUNCIL</u>															
<u>Shoreham</u>	9/75	1/76	9/75	1/76	9/80E	10/80E	12/80E	3/77	10/77	1/81E	8/81E	11/80E	10/81E	10/81E	10/81E
<u>SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL</u>															
<u>North Anna 2</u>	5/73	5/73	6/70	6/70	6/76	1/77	4/80 (LP) 10/80E (FP)	12/72	4/73	11/76 9/75	6/77 9/75	4/80	4/80	11/77 12/75	4/80 (LP) 10/80E (FP)
<u>Sequoyah 1</u>	12/73	1/74	(3)	(3)	3/79	5/79	2/80 (LP) 9/80E (FP)	10/71	7/74	None 7/74	Req'd 1/74	2/80	2/80	NA 2/75	2/80 (LP) 9/80E (FP)
<u>Sequoyah 2</u>	12/73	1/74	(3)	(3)	3/79	5/79	5/81E	10/71	7/74	None 7/74	Req'd 7/74	8/80E	5/81E	NA 2/75	5/81E

Plant	FSAR		ER		SER	ACRS	SER* Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLD** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App. Est.	NIC Est.		
<u>SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL (CON'T)</u>															
<u>McGuire 1</u>	4/74	5/74	4/74	5/74	3/78	4/78	7/80E	10/75	4/76	8/78 3/77	8/78 4/77	5/80E	11/80E	4/79	11/80E (4)
<u>McGuire 2</u>	4/74	5/74	4/74	5/74	3/78	4/78	7/80E	10/75	4/76	8/78 3/77	8/78 4/77	1/82E	2/82E	4/79	2/82E (4)
<u>Watts Bar 1</u>	6/76	10/76	(5)	(5)	1/81E	2/81E	4/81E	6/78	12/78	None	Req'd	9/80E	5/81E	NA	5/81E
<u>Watts Bar 2</u>	6/76	10/76	(5)	(5)	1/81E	2/81E	4/81E	6/78	12/78	None	Req'd	6/81E	3/82E	NA	3/82E
<u>Summer 1</u>	12/76	2/77	12/76	2/77	8/80E	9/80E	11/80E	6/79	9/80E	12/80E 10/80E	2/81E 12/80E	12/80E	12/80E	4/81E 2/81E	4/81E
<u>Farley 2</u>	8/73	8/73	8/73	8/73	5/75	6/75	7/80E(LP) 12/80E(FP)	7/74	12/74	None	Req'd	6/80E	7/80E	NA	7/80E(LP) 12/80E(FP)
<u>Bellefonte 1</u>	2/78	6/78	2/78	6/78	2/82E	3/82E	6/82E	2/81E	7/81E	None	Req'd	7/82E	7/82E	NA	7/82E
<u>Bellefonte 2</u>	2/78	6/78	2/78	6/78	2/82E	3/82E	6/82E	2/81E	7/81E	None	Req'd	6/83E	6/83E	NA	6/83E
<u>Catawba 1</u>	3/79	10/80E	3/79	10/80E	8/82E	9/82E	10/82E	5/82E	9/82E	12/82E	2/83E	4/83E	4/83E	4/83E	4/83E
<u>SOUTHWEST POWER POOL</u>															
<u>Grand Gulf 1</u>	4/78	6/78	4/78	6/78	5/81E	6/81E	8/81E	2/81E	7/81E	None	Req'd	9/81E	9/81E	NA	9/81E
<u>Waterford 3</u>	9/78	12/78	9/78	12/78	5/81E	6/81E	8/81E	3/81E	8/81E	9/81E	12/81E	10/81E	2/82E	2/82E	2/82E
<u>Wolf Creek</u>	2/80	3/81E	2/80	10/81E	1/83E	2/83E	4/83E	5/82E	10/82E	7/83E	8/83E	10/82E	10/83E	10/83E	10/83E
<u>WESTERN SYSTEMS COORDINATING COUNCIL</u>															
<u>Diablo Canyon 1</u>	10/73	10/73	8/71	8/71	10/74	7/78	5/80E(LP) 1/81 (FP)	12/72	5/73	10/77 12/76	8/80E 12/76	5/80E	5/80E	10/80E	10/80E(LP) 1/81E(FP)
<u>Diablo Canyon 2</u>	10/73	10/73	8/71	8/71	10/74	7/78	1/81 (FP)	12/72	5/73	10/77 12/76	8/80E 12/76	3/81E	3/81E	10/80E	3/81E

Plant	FSAB		ER		SCR	ACIS	SCR Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLB** Decision	UL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App. Est.	Int. Est.		
<u>WESTERN SYSTEMS COORDINATING COUNCIL (CON'T)</u>															
<u>San Onofre 2</u>	11/76	3/77	11/76	3/77	8/80E	9/80E	12/80E	11/78	10/80E	1/81E 10/80E	4/81E 11/80E	11/80E	5/81E	6/81E 1/81E	6/81E
<u>San Onofre 3</u>	11/76	3/77	11/76	3/77	8/80E	9/80E	12/80E	11/78	10/80E	1/81E 10/80E	4/81E 11/80E	1/81E	5/82E	6/81E 1/81E	5/82E
<u>Washington Nuclear 2</u>	3/78	6/78	12/76	4/77	3/82E	4/82E	7/82E	1/81E	6/81E	None	Req'd	7/82E	7/82E	NA	7/82E
<u>Palo Verde</u>	10/79	12/80E	12/79	12/80E	5/82E	6/82E	7/82E	7/81E	12/81E	8/82E	10/82E	11/82E	12/82E	12/82E	12/82E

ASSUMPTIONS USED FOR PROJECTING TARGET SCHEDULES

Commission decision on full-power NTOL requirements made in June 1980.

Commission decision on treatment of Class 9 accidents in NEPA statements adopts staff recommendation in SECY 80-131 and is made in June 1980.

Projected safety reviews are generally scheduled to start 33 months prior to construction completion dates including time for ACRS review and hearings.

Projected environmental reviews are generally scheduled to start 24 months prior to construction completion dates including time for hearing.

For plants with construction completion dates before the end of 1982 the target schedules for OL review were developed, based on the NRC construction completion dates, on a plant specific basis to minimize delays in OL issuance.

FOOTNOTES FOR TABLE 1

- E Denotes estimated date
- * Date entered is for last supplement to SER/FES issued.
 - ** Where two entries are made, first entry concerns radiological safety matters and second concerns environmental matters. A single entry indicates Hearing and/or ASLB decision considered both radiological and safety matters.
 - *** The difference in estimates for construction completion, between the applicant and NRC, is attributable to an independent assessment by the NRC staff of factors affecting construction completion. Generally, the NRC staff estimates are more conservative (i.e., later completion dates) and are based upon actual experience in constructing similar plants. Second unit of a dual unit facility is usually completed about 18 months after first unit.
- (LP) denotes low power
- (FP) denotes full power
- (1) Applicant construction schedule slipped from 11/80 to 4/84 due to foundation problems with auxiliary building and financial considerations.
 - (2) Work stoppage order issued by NRC in August 1979 for QA-related problems on safety portions of facility. NRC estimates about 18 months before full-scale construction will resume. Thus, the large difference in construction complete dates.
 - (3) Environmental reviews for Sequoyah 1 and 2 were conducted under a lead agency agreement with TVA. TVA's final environmental statements (FES) incorporated and addressed the AEC's comments on the respective draft statements. The FES's were then accepted as the NEPA statements for the project.
 - (4) Schedule shown assumes hearing record will not be reopened for TMI-2 issues. If ASLB reopens record, full power OL issuance may be delayed.
 - (5) TVA's FES for Watts Bar 1 and 2 were considered to be the environmental report submitted to NRC. NRC then issued its own DES and FES for project.