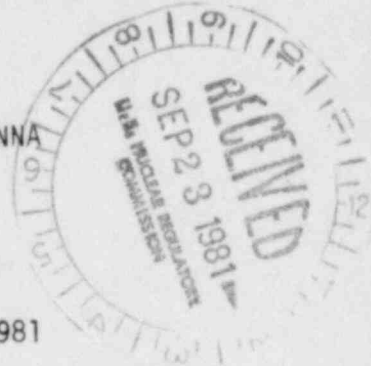


**CERTIFIED**

ACRS-1884  
PDR 9/21/81

CERTIFIED COPY  
DATE ISSUED: Sept. 8, 1981

MINUTES OF THE ACRS SUBCOMMITTEE MEETING ON SUSQUEHANNA  
JULY 23, 1981  
WASHINGTON, D.C.



The ACRS Subcommittee on Susquehanna held a meeting on July 23, 1981 in Room 1046, 1717 H St., N.W., Washington, D.C. The purpose of the meeting was to review and discuss the Pennsylvania Power and Light (PP&L) Company's request for an operating license and to determine if the license application was complete enough to be brought before the ACRS during the August Committee Meeting. Most of the meeting was open to the public except for a brief discussion of the security system at Susquehanna. Notice of this meeting was published in the Federal Register on Friday, July 17, 1981. A copy of this notice is included as Attachment A. A list of attendees for this meeting is included as Attachment B, the schedule for the meeting is included as Attachment C, and a list of reference material is included as Attachment D. A complete set of handouts has been included in the ACRS files. There were no written or oral statements from the public. The Designated Federal Employee for the meeting was Mr. John C. McKinley.

NRC Staff Status Report on OL Review

Mr. R. Stark, NRC Project Manager, presented the status and current schedule for completion of the 14 open items in the Susquehanna SER. Some of the 14 open items are likely to be resolved before the August

**CERTIFIED**

8109300447 810921  
PDR ACRS  
1884

PDR

ACRS meeting. There are no major disagreements between the applicant and the NRC Staff over the resolution of any of the currently identified open items. However, the NRC plans to require the addition of incore thermocouples as part of the operating license and the licensee does not currently agree that the thermocouples are necessary for detection of inadequate core cooling. The thermocouple issue is still being discussed.

PP&L Presentation on Construction Schedule and OL Application

Mr. N. Curtis, Vice President of Pennsylvania Power & Light (PP&L) for Nuclear Engineering and Construction, presented the history and the schedule for completion of Susquehanna. He indicated that the target construction completion date for Unit 1 is January 1982 and that construction is presently running six weeks behind schedule. The currently expected fuel load date is April 1982.

Mr. P. Hendrikson, PP&L Manager of Licensing, presented the status of the 14 open items from the licensee's viewpoint. He indicated that PP&L was working with the NRC on each of these items and that no significant disagreements currently exist in resolving any of these open items. The resolutions primarily involve documenting commitments and completing some analysis work.

PP&L Presentation on Management Structure and Technical Resources

Mr. B. Kenyon, PP&L Vice President of Nuclear Operations, presented the management structure and organization of the nuclear department at PP&L.

In response to a question, Mr. Kenyon stated that the President of PP&L has a master's degree in mechanical engineering, a master's degree in business administration, and a doctorate in jurisprudence. Mr. Kenyon indicated that much of the management structure recommended by NRC, following the accident at TMI, was already in place at PP&L prior to TMI. Currently, PP&L has three former plant superintendents in the nuclear department management structure. The nuclear department contains 732 personnel as of May 1981 with 395 personnel making up the plant staff. By the end of 1982, it is projected that a total of 881 personnel will be in the nuclear department of which 531 will be on the plant staff.

Dr. I. Catton asked if the Training Manager is on the Safety Review Board. Mr. Kenyon indicated that he is not but that PP&L was currently reconsidering whether he should be.

Dr. W. Kerr asked if a QA program exists for the fossil plants at PP&L. Mr. Curtis stated that no such program exists since the last fossil unit was completed in the early 1970's. In response to further questioning, Mr. Curtis stated that he could see no benefit if a formal QA program were added to a future fossil plant construction project.

Dr. D. Moeller questioned the 737 person-rem annual collective dose estimate for each unit at Susquehanna. He indicated that newer plants should be able to do better than older operating plants. Mr. S. Cantone, PP&L

Manager of Nuclear Support, responded that the maintaining of annual collective doses at the level of older plants was actually an improvement since new plants are required to do considerably more work in contaminated areas than older plants (e.g., Inservice Inspection, Inservice Testing, etc.

Mr. H. Keiser, PP&L Plant Superintendent, described the plant organization at Susquehanna. He stated that the security force was made up of PP&L personnel and that 73% of the security force personnel had college degrees (most of the degrees were in the area of criminology). Dr. Kerr asked Mr. Keiser if he felt the Shift Technical Adviser (STA) was a useful position at Susquehanna. Mr. Keiser stated that, in his opinion, it was because only experienced, knowledgeable people are chosen as STAs. Furthermore, the STA is given a regular function in which the Shift Supervisor seeks assistance from him. Therefore, during an emergency the Shift Supervisor will naturally turn to the STA for advice and assistance.

#### PP&L Presentation on Training

Mr. G. Ward, PP&L Manager of Nuclear Training, presented the training philosophy and organization at Susquehanna. The training department is independent of the plant staff and reports directly to the Vice President of Nuclear Operations. The training department is responsible for training the licensed operators, non-licensed operators, mechanics, instrument technicians, health physicists, chemists, engineers, and subgroups of each of these job categories. The training is tailored to each subgroup and the course curriculum is based on the requirements identified by an organized and specialized committee. Responses to several questions regarding licensed operator training indicated that operators are taught to respond intelligently to unusual situations rather than relying completely on procedures.

Mr. Keiser added to Mr. Ward's presentation by discussing the curriculum committee organization. He then discussed the Susquehanna simulator which is located at the plant site. The simulator has been in use for approximately two years. It has been used to checkout procedures, uncover plant design problems, train the operators, and for other similar projects. Mr. Keiser then discussed some details concerning the operators training programs. Dr. Kerr asked how PP&L kept people interested with all the training and retraining required to be an operator. Mr. Kenyon responded to that question by saying that some of the operators are becoming a little fatigued by all the training and they are anxious to get on with the actual operation of the plant.

PP&L Presentation on Control Room and Remote Shutdown Panel Design

Mr. T. Crimmins, PP&L Manager of Nuclear Plant Engineering, briefly discussed the remote shutdown panel design at Susquehanna and the proposed resolution of this open item. He indicated that PP&L was proposing some permanent connections of interlocks, with key switches, carefully controlled by procedures, to satisfy NRC concerns about diversity in the remote shutdown panel design. He stated that this design appears to be acceptable to the NRC. Mr. Stark responded that the NRC Staff is still reviewing this item.

Mr. S. Cantone, PP&L Manager of Nuclear Support, described the Advanced Control Room (ACR) design at Susquehanna. He explained the use of cathode ray tubes (CRTs), advanced graphics, and alphanumerics in the ACR which provides more information in a more easily accepted format for the operator. Additionally, necessary information is available on hardwired meters in the control room in case of multiple computer failures. The post-TMI human factors review of the control room resulted in very few changes since a human factors approach to the design of the ACR was taken at Susquehanna as early as 1974.

Mr. T. Crimmins explained the status of PP&L compliance with Reg. Guide 1.97 and Inadequate Core Cooling (ICC) instrumentation requirements. He noted that 93% of the variables required by Reg. Guide 1.97 are already measured with existing instrumentation. Approximately 55% of the required variables will need system upgrading to comply with the Reg. Guide. On the subject of ICC instrumentation, Mr. Crimmins noted that the NRC has indicated that BWR incore thermocouples will be a license requirement for Susquehanna. PP&L finds this a difficult situation since they have not determined the acceptability of such a design feature. Mr. L. Phillips of the NRC Staff commented that incore thermocouples are required by Reg. Guide 1.97.

#### PP&L Presentation on Emergency Planning

Mr. S. Cantone presented the PP&L program for emergency planning. He stated that a drill to test the plan is scheduled for mid-March 1982. Dr. Moeller asked if the warning system is seismically designed. Mr. Cantone replied that it is not.

#### PP&L Presentation on Station Electrical Power

Mr. N. Curtis, Mr. D. Cole, and Mr. H. Keiser of PP&L described the station electrical system. Mr. Ray asked if Susquehanna had priority from the system dispatcher for restoration of power. Mr. Curtis replied that Susquehanna has top priority due to its special needs relative to the fossil plants on the system. Dr. Kerr questioned the reliability of the 250 V, two-battery system design for Susquehanna. PP&L representatives indicated that they believed the design was reliable enough although they could not define the reliability quantitatively.

PP&L Presentation on Decay Heat Removal Capability

Mr. H. Keiser described the normal and degraded modes of decay heat removal. In response to some questions, he indicated that if all AC and DC power is lost, the decay heat removal systems will be unavailable since the steam driven pumps are controlled by DC powered valves and control systems.

PP&L Presentation on Environmental Qualification of Equipment

Mr. T. Crimmins discussed the equipment environmental qualification program. He stated that complete documentation is available for approximately 25% of Class 1E equipment. The remaining equipment is being qualified by a documentation search, by testing programs, or by replacement if necessary. The goal for completion of this program is June 1982 but difficulties in meeting this goal exist. Specifically, the NRC has continuously changed the scope and content of the program, the instrumentation vendors have not been especially responsive to requests for additional documentation, and test facilities are limited.

PP&L Presentation on Spent Fuel and Low-Level Waste Storage

Mr. H. Keiser presented the spent fuel and low-level waste storage capability for Susquehanna. He stated that each unit has spent fuel storage capacity for 10 years of operation assuming 12 month refueling cycles and maintaining complete off-loading capability for the reactor core. Due to the uncertainty of shipping low-level wastes to burial sites, PP&L is planning to build an onsite storage building to handle up to eight years of low-level waste. Dr. Moeller asked what PP&L was doing to reduce the volume of low-level waste. Mr. Keiser responded that they had no plans for waste incinerators, however, they are working to reduce the waste volume by proper operation of equipment and design of systems.

PP&L Presentation on the Susquehanna Scram System

Mr. T. Crimmins discussed the BWR scram system concern identified by the NRC Office of Analysis and Evaluation of Operational Data (AEOD) and how PP&L has responded to that concern. Basically Mr. Crimmins pointed out that the AEOD concern was over a low-probability event at a BWR Mk. I designed plant (i.e. Browns Ferry). The Susquehanna BWR Mk. II design has significant improvements over the Mk. I in the area of better ECCS pump room isolation and flood protection as well as higher sump pump flow rates. Therefore, the AEOD concern is less of a problem for Susquehanna than it was for Browns Ferry. Dr. Catton asked if the Scram Discharge Volume (SDV) was part of the primary pressure boundary in consideration of material fracture toughness. PP&L representatives responded that the SDV did not meet the fracture toughness requirements of the primary pressure boundary.

PP&L Presentation ATWS

Mr. T. Crimmins discussed the ATWS issue as it relates to Susquehanna. Dr. Catton and Dr. Lipinski asked if consideration was being given to a neutronic stability analysis during an ATWS event. Mr. Crimmins stated that such an analysis is being done relative to the ATWS issue. All other ATWS issues are being actively addressed by PP&L for Susquehanna.

PP&L Presentation on the Mk. II Containment Design

Mr. D. Roth of PP&L discussed the Mk. II containment program at the Susquehanna. They have gone further in their analytical work than the GE Mk. II Owner's Group. Dr. Catton indicated that he had been following the PP&L work and he believed they had done a good job.



Mr. H. Keiser briefly discussed the containment hydrogen control systems at Susquehanna. The systems discussed were the containment air mixing system, hydrogen/oxygen monitoring system, hydrogen recombiners, containment hydrogen purge system, and the nitrogen inerting system.

#### PP&L Presentation on the Security Program

The meeting went into closed session to discuss the security system at Susquehanna. Mr. C. Sprunk of PP&L described some of the security features. The value and application of psychological tests were briefly discussed.

#### Subcommittee Conclusion and Future Meetings

The Subcommittee concluded that, based on the information they had received, the Susquehanna application for an operating license was ready to be reviewed by the Full ACRS. Dr. Kerr outlined an agenda for the Full Committee meeting, scheduled for August 7, 1981 in Washington, D.C.

For additional details, a complete transcript of the meeting is available in the NRC Public Document Room, 1717 H St., N.W., Washington, D.C. 20555 or from Alderson Reporters, 300 7th St., S.W., Washington, D.C. (202) 554-2345.

Dated July 14, 1981.

John C. Hoyle,

Advisory Committee Management Officer.

(FR Doc. 81-20882 Filed 7-16-81; 9:45 am)

BILLING CODE 7980-01-8

**Advisory Committee on Reactor Safeguards, Subcommittee on Program Management and Plant Meeting**

The ACRS Subcommittee on Program Management and Plan will hold a meeting on August 5, 1981, Room 1187, 1717 H Street, NW, Washington, DC. The purpose of the meeting is to discuss draft copy of the Department of Energy (DOE) document dealing with "Program Management for the Conduct of Research, Development and Demonstration Activities" that was prepared by DOE in response to Pub. L. 96-567, "Nuclear Safety Research, Development, and Demonstration Act of 1980". Notice of this meeting was published June 18, 1981.

In accordance with the procedures outlined in the Federal Register on October 7, 1980, (45 FR 66535), oral or written statements may be presented by members of the public; recordings will be permitted only during those portions of the meeting when a transcript is being kept, and questions may be asked only by members of the Subcommittee, its consultants, and Staff. Persons desiring to make oral statements should notify the Designated Federal Employee as far in advance as practicable so that appropriate arrangements can be made to allow the necessary time during the meeting for such statements.

The entire meeting will be open to public attendance.

The agenda for subject meeting shall be as follows:

*Wednesday, August 5, 1981, 8:30 a.m. until the conclusion of business*

During the initial portion of the meeting, the Subcommittee, along with any of its consultants who may be present, will exchange preliminary views regarding matters to be considered during the balance of the meeting.

The Subcommittee will then hear presentations by and hold discussions with representatives of the DOE Staff, their consultants, and other interested persons regarding this review.

Further information regarding topics to be discussed, whether the meeting has been cancelled or rescheduled, the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor can be obtained by a prepaid telephone call to the cognizant Designated Federal

Employee, Mr. Sam Duraiswamy (telephone 202/634-3267) between 8:15 a.m. and 5:00 p.m., EDT.

Dated July 14, 1981.

John C. Hoyle,

Advisory Committee Management Officer.

(FR Doc. 81-20882 Filed 7-16-81; 9:45 am)

BILLING CODE 7980-01-8

**Advisory Committee on Reactor Safeguards, Subcommittee on Susquehanna Steam Electric Station, units 1 and 2, Addition**

The ACRS Subcommittee on Susquehanna Steam Electric Station, Units 1 and 2 will hold a meeting on July 23, 1981, Room 1046, 1717 H Street, NW, Washington, D.C. to discuss the Pennsylvania Power and Light Company's request for an Operating License. Notice of this meeting was published July 7 (46 FR 35231).

In accordance with the procedures outlined in the Federal Register on October 7, 1980, (45 FR 66535), oral or written statements may be presented by members of the public; recordings will be permitted only during those portions of the meeting when a transcript is being kept, and questions may be asked only by members of the Subcommittee, its consultants, and Staff. Persons desiring to make oral statements should notify the cognizant Federal Employee as far in advance as practicable so that appropriate arrangements can be made to allow the necessary time during the meeting for such statements.

The entire meeting will be open to public attendance. However, portions of this meeting may be closed to the public to prevent disclosure of safeguards information which is specifically exempted from disclosure by Section 147 of the Atomic Energy Act, 42 U.S.C. 2167 (Sunshine Act Exemption (3)). To the extent practicable, these closed sessions will be held so as to minimize inconvenience to members of the public in attendance.

The agenda for subject meeting shall be as follows:

*Thursday, July 23, 1981, 8:30 a.m. until the conclusion of business*

During the initial portion of the meeting, the Subcommittee, along with any of its consultants who may be present, will exchange preliminary views regarding matters to be considered during the balance of the meeting.

The Subcommittee will then hear presentations by and hold discussions with representatives of the Pennsylvania Power and Light Company, NRC Staff, their consultants,

and other interested persons regarding this review.

Further information regarding topics to be discussed, whether the meeting has been cancelled or rescheduled, the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor can be obtained by a prepaid telephone call to the cognizant Staff Engineer, Mr. Garry Young (telephone 202/634-1414) between 8:15 a.m. and 5:00 p.m., EDT. The Designated Federal Employee for this meeting is Mr. John C. McKinley.

I have determined, in accordance with Subsection 10(d) of the Federal Advisory Committee Act, that it may be necessary to close some portions of this meeting. The authority for such closure is Exemption 3 to the Sunshine Act, 5 U.S.C. 552b(c)(3).

Dated July 13, 1981.

John C. Hoyle,

Advisory Committee Management Officer.

(FR Doc. 81-20884 Filed 7-16-81; 9:45 am)

BILLING CODE 7980-01-8

[Docket No. 50-348]

**Alabama Power Co. (Joseph M. Farley Nuclear Plant, Unit No. 1); Order for Confirming Licensee Commitments on Post-TMI Related Issues**

I

Alabama Power Company (the licensee) is the holder of Facility Operating License No. NPF-2, which authorizes the operation of the Farley Nuclear Plant, Unit No. 1 (the facility) at steady-state power levels not in excess of 2652 megawatts thermal. The facility consists of a pressurized water reactor (PWR) located at the licensee's site near the city of Dothan, Alabama.

II

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection for the operation of nuclear facilities based on the experience from the accident at TMI-2 and the official studies and investigations of the accident. The staff's proposed requirements and schedule for implementation are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements." Among

ATTACHMENT A

MEETING DATE: JULY 23, 1981

SUBCOMMITTEE MEETING: SUSQUEHANNA NUCLEAR POWER STATION

LOCATION: ROOM 1046, 1717 H St. NW, Washington, D.C.

ATTACHMENT B

ATTENDANCE LIST

PLEASE PRINT

NAME	AFFILIATION
1. PHIL HENRIKSON	PP&L MGR NUCLEAR LICENSE
2. N. W. CURTIS	PP&L V. P. ENG & CONST
3. B. D. KENYON	PP&L V. P. OPS
4. S. H. CANTONE	PP&L MGR. - NUCLEAR SUPPORT
5. T. M. CRIMMINIS	PP&L MGR - NUC PLT ENGR
6. R. W. McNAMARA	PP&L GROUP SUPV. - CIVIL
7. H. V. OHSIM	PP&L GROUP SUPV. - ELECTRICAL
8. D. F. Roth	PP&L Sr. Proj. Engineer
9. A. M. MALE	PP&L ASST MGR - NUCL. PLT. ENGRS
10. W. H. Lowthert III	PP&L Supv. Technical Training
11. J. P. GUTSHALL	PP&L SR. PROJ. ENG.
12. WJ Rhoades	PP&L Group Supv - Mech
13. J. A. BARTOS	PP&L PROJECT ENG.
14. E. CONNELL III	BECHTEL NUC. GROUP LEADER
15. F. W. TITUS	Bechtel ASST. Project Engineer
16. M. R. BURING	PP&L H. P. SUPV
17. D. W. Miller	PP&L Supv. - Radiological & Envir. Service
18. R. A. Felker	PP&L Sr. Proj. Engineer
19. J. E. SLIDER	NUS
20. J. W. Honkala	Detroit Edison
21. L. D. O'NEIL	PP&L Technical Supv.
22. D. M. Smith	PP&L SHIFT SUPERVISOR
23. G. L. HOAMS	PP&L SUPERVISOR OF OPERATIONS
24. M. B. Detamore	PP&L Plant Engineering Supv.

JULY 23, 1981

MEETING DATE:

SUBCOMMITTEE MEETING: SUSQUEHANNA NUCLEAR POWER STATION

LOCATION: ROOM 1046, 1717 H St. NW, Washington, D.C.

ATTENDANCE LIST

PLEASE PRINT

NAME	AFFILIATION	
1. L.C. OESTERICH	BECHTEL	BOP Group Leader
2. T.R. McDannell	Bechtel	Wearing Cap
3. T.K. TAM	Bechtel	Engineering
4. T.E. Tipton	AIF	Mgr. Nuclear Regulat-
5. S.T. BELLA	PP&L	LICENSING
6. W.P. DORJSIFR	PA DER	
7. T.B. Pollog	PA DER	
8. Jack R. Calhoun	PP&L	Sr. V.P. Nuclear
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS MEETING  
 ON  
 SUSQUEHANNA NUCLEAR POWER STATION

July 23, 1981; Washington, D.C.

ATTENDEES PLEASE SIGN BELOW

M. Simms  
 3 seats

18  
 02  
 5 sign IN

PLEASE  
 PRINT  
 NAME

NAME	BADGE NO.	AFFILIATION
1. Harold W. Keiser	E-0185	PP&L
2. Bruce D. Kenyon	E-0154	"
3. L. C. Cesterlin	E-0143	BECHTEL
4. E. CONNELL, III	E-0149	BECHTEL
5. L. D. O'Neil	E-0145	PP&L
6. M. B. Detamore	E-0147	PP&L
7. T. E. Polley	E-0156	PA. DOR
8. R. M. Foley	E-0170	EG&S
9. JACK CALHOUN	E-0141	PP&L
10. C. BATTI	E-0166	BECHTEL
11. D. Thompson	E-0172	PP&L
12. Q. SPRUNK	E-0103	PP&L
13. A. PETRY	E-0111	PP&L
14. K. T. G. BIENKOWSKI	E-0104	BNL-PRINCETON
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS MEETING  
 ON  
SUSQUEHANNA NUCLEAR POWER STATION

July 23, 1981; Washington, D.C.

ATTENDEES PLEASE SIGN BELOW

PLEASE  
PRINT

NAME	BADGE NO.	AFFILIATION
1. J. W. MILLARD	E 0169	GE
2. F. W. TITUS	E-0164	Babtel
3. T. K. TAM	E 0134	Bectel
4. T. P. McDonnell	E 0136	Bectel
5. J. E. SLIDER	E 0148	NUS
6. J. W. Hunkala	E 0108	Detroit Edison
7. D. M. Smith	E-0151	PP&L
8. G. S. HARRIS	E-0144	PP&L
9. G. H. Crow	E-0166	GE
10. R. S. Boyd	E 0137	KMC
11. E. M. Howard	F 0109	KMC
12. Z. Zedans	E-0130	ACRS CONSULTANT
13. WALTER C. LIPINSKI	E-0168	ANL
14. V. STEFANKU	E-0146	PP&L
15. D. Thompson	E-0141	PP&L
16. T. Tipton	E-0152	AIF
17. W. P. DORNSIEN	E-0171	PA DRR
18. H. Crow	E-0166	GE
19.		
20.		
21.		
22.		

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS MEETING  
ON  
SUSQUEHANNA NUCLEAR POWER STATION

July 23, 1981; Washington, D.C.

ATTENDEES PLEASE SIGN BELOW

PLEASE  
PRINT

NAME	BADGE NO.	AFFILIATION
1. R. W. McNAMARA	EO 114	PENN POWER & LIGHT CO.
2. D. F. Roth	EO 128	Penn Power & Light Co.
3. J. A. BARTOS	EO 125	Penn. Power & LIGHT CO.
4. D. G. Cole	EO 140	Penn Power & LIGHT CO.
5. J. P. GUTSHAU	EO 132	" " " "
6. H. V. OHEIM	EO 135	" " " "
7. WJ Rhoades	EO 126	" " " "
8. R. A. Felker	EO 138	Pa. Power & Light Co.
9. D. W. Miller	EO 172	Penn Power & Light Co.
10. M. R. BURING	EO 135	Penn Power & Light Co.
11. V. M. CRIMMINS	EO 110	Penn Power & Light Co.
12. C. M. MALE	EO 113	Penn Power & Light Co.
13. W. W. Curtis	EO 127	Pa Power & Light Co.
14. S. H. CANTONE	EO 106	Penn Power & Light Co.
15. D. P. Mayer	EO 189	Penn. Power & Light
16. W. H. Lowther III	EO 117	Penn Power & Light
17. E. R. Carlson	EO 118	Penn Power & Light
18. G. G. WARD	EO 21	Penn. Power & Light Co.
19. C. T. Coddington	EO 133	Penn Power & Light Co.
20. S. T. BELLA	EO 180	Penn Power & Light Co.
21. P. H. HENRIKSON	EO 119	PP&L
22. T. W. WOODHALL	EO 112	GE

MEETING DATE: JULY 23, 1981

SUBCOMMITTEE MEETING: SUSQUEHANNA NUCLEAR POWER STATION

LOCATION: ROOM 1046, 1717 H St. NW, Washington, D.C.

ATTENDANCE LIST

PLEASE PRINT

NAME	AFFILIATION
1. RICHARD STARK	NRC
2. Anthony Bournia	NRC
3. E. MORRIS HOWARD	KMC
4. Roger S. Boyd	KMC
5. JACK R. CALHOUN	PP&L
6. DAVID G. COLE	PP&L
7. Jimmy H. Graw Jr	GE
8. ALLEN M. MALE	PP&L
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	
24.	



TENTATIVE SCHEDULE  
ACRS SUBCOMMITTEE MEETING ON SUSQUEHANNA NUCLEAR POWER STATION  
WASHINGTON, DC  
THURSDAY, JULY 23, 1981

ATTACHMENT C

APPROXIMATE TIME

I. INTRODUCTION

- A. Subcommittee Opening Statement 8:30 a.m.  
W. Kerr, Chairman
- B. NRC Staff Introduction 8:35 a.m.  
R. Stark
  - 1. Overview of OL Review
  - 2. Overview of SER Open Items
- C. Pennsylvania Power & Light Co. Introduction 9:00 a.m.
  - 1. Site and Plant Description
  - 2. Organization and Management Structure
  - 3. Response to SER Open Items
  - 4. Schedule for Completion of Licensing Review, Security System Installation, Operator Training, Test Program, Fuel Load, and Commercial Operation

\*\*\*\*\* BREAK \*\*\*\*\* 10:10 a.m.

II. PENNSYLVANIA POWER & LIGHT COMPANY PRESENTATIONS  
AND NRC STAFF COMMENTS, SEVERAL SPECIFIC ISSUES

- A. Management Structure and Technical Resources 10:20 a.m.  
Compliance with NUREG-0731, etc.
- B. Training and Qualification Program 11:00 a.m.
  - 1. Operator Training and Use of Onsite Simulator
  - 2. Onsite Technical Support Personnel Training
  - 3. Offsite Support Personnel Training
- C. Plant Control Room 11:40 a.m.
  - 1. Description of Advanced Control Room (ACR)
  - 2. Human Factor Review
  - 3. Control Room Instrumentation (Reg. Guide 1.97 and Inadequate Core Cooling Instrumentation)
  - 4. Alternate Shutdown Panel

APPROXIMATE TIME

- D. Emergency Planning 12:10 p.m.
  - 1. Support Facilities
  - 2. Status of Plans & Review (Applicant, Country, & State Plans; FEMA & PEMA reviews)
  - 3. Status of Drill to Test Plan
- \*\*\*\*\* LUNCH \*\*\*\*\* 12:30 p.m.
- E. Station Electrical Power 1:30 p.m.
  - 1. Loss of AC/Loss of DC (including DC system reliability)
  - 2. Station Blackout Analysis
- F. Decay Heat Removal Capability 2:30 p.m.
  - 1. Normal Mode
  - 2. Degraded Mode
- G. Environment Qualification of Equipment 2:45 p.m.
- \*\*\*\*\* BREAK \*\*\*\*\* 3:00 p.m.
- H. Onsite Storage of Spent Fuel and Low-Level Waste, Capacity and Future Plans 3:10 p.m.
- I. Response to NRC Report on Hypothetical BWR Scram System Failures 3:25 p.m.
- J. Anticipated Transients Without Scram 3:40 p.m.
  - 1. Plant Protection Measures
  - 2. Operator Training and Procedures
  - 3. Compliance with Proposed Rule
- III. MARK II CONTAINMENT PROGRAM 4:00 p.m.
  - A. Short-Term Modifications
  - B. Long-Term Modifications
  - C. Hydrogen Control

APPROXIMATE TIME

- |   |           |
|---|-----------|
| IV. DISCUSSION OF ACRS QUESTIONS ON THE ENVIRONMENTAL IMPACT STATEMENT SUPPLEMENT | 4:30 p.m. |
| V. SUSQUEHANNA SECURITY SYSTEM  | 4:45 p.m. |
| (NOTE: Portions of this Session may be Closed as necessary)                       |           |
| :   |           |
| A. Overall Program  |           |
| B. Separation of Units 1 and 2  |           |
| VI. SUBCOMMITTEE DISCUSSION (CAUCUS)  | 5:00 p.m. |
| VII. INSTRUCTIONS TO APPLICANT AND NRC STAFF                                      | 5:15 p.m. |
| ADJOURNMENT   | 5:30 p.m. |

## ATTACHMENT D

1. Pennsylvania Power and Light Company, "Final Safety Analysis Report, Susquehanna Steam Electric Station, Units 1 and 2", with Amendments through 35.
2. U.S. Nuclear Regulatory Commission (USNRC), "Safety Evaluation Report Related to the Operation of Susquehanna Steam Electric Station, Units 1 and 2, Docket Nos. 50-387 and 50-388", USNRC Report NUREG-~~0776~~ 0776, dated April 1981 and NUREG-0776, Supplement No. 1, dated June 1981.
3. U.S. Nuclear Regulatory Commission (USNRC), "Final Environmental Statement Related to the Operation of Susquehanna Steam Electric Station, Units 1 and 2, Docket Nos. 50-387 and 50-388", USNRC Report NUREG-0564, dated June 1981.