

March 8, 2004

LICENSEE: PPL Susquehanna, LLC (PPL)  
FACILITY: Susquehanna Steam Electric Station, Unit No. 1 (SSES-1)  
SUBJECT: SUMMARY OF FEBRUARY 26, 2004, CATEGORY 1 MEETING WITH PPL  
SUSQUEHANNA, LLC, TO DISCUSS LICENSEE'S AMENDMENT REQUEST  
DATED JULY 1, 2003 (ADAMS ACCESSION NUMBER ML031900247)

On February 26, 2003, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of PPL and Framatome Advanced Nuclear Power (ANP) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to conduct a working level discussion as part of the NRC staff's review of PPL's July 1, 2003, amendment request, supplemented November 17 and December 22, 2003, that proposes a change to the SSES-1 Cycle 14 minimum critical power ratio safety limit (MCPRSL).

PPL provided an overview of their MCPRSL process. Specifically, PPL presented information on its approved methodology for inputting conservative power distribution (PD) data to calculate the MCPRSL. It included a PD sensitivity study by a comparison of PD data used from the original SSES-1 Cycle 14 core design to its subsequent core redesign, including PD differences between different design codes. The sensitivity analysis demonstrated that for a different set of input PDs, the MCPRSL remains unchanged from the original core design. The approved methodology, ANF-524(P)(A), Revision 2, "Advanced Nuclear Fuels Corporation Critical Power Methodology for Boiling Water Reactors," requires input PDs that are flatter (more conservative) in order to meet design thermal margin requirements, not necessarily PDs generated by the design codes used within the core monitoring system.

PPL concluded that (1) input power distribution is independent of the monitoring system PD uncertainty, and (2) small variations in PDs due to differences in design code uncertainty has a negligible impact on the MCPRSL.

Members of the public were not in attendance, and Public Meeting Feedback forms were not received. A list of meeting attendees is attached (Attachment 1). Also attached is a copy of the licensee's slides (Attachment 2) presented at the meeting (ML ).

CONTACT: R. Guzman, NRR  
301-415-1030  
[rvg@nrc.gov](mailto:rvg@nrc.gov)

PPL Susquehanna, LLC

- 2 -

Please direct any inquiries to Richard V. Guzman, Project Manager at 301-415-1030, or rvg@nrc.gov.

*/RA/*

Richard V. Guzman, Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387

Attachments: 1. List of Attendees  
2. Licensee's Handouts/slides

cc w/atts: See next page

Please direct any inquiries to Richard V. Guzman, Project Manager at 301-415-1030.

***/RA/***

Richard V. Guzman, Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

- Attachments: 1. List of Attendees
- 2. Licensee Handouts

cc w/atts: See next page

**DISTRIBUTION:**

PUBLIC

PDI-1 Reading

RGuzman

OGC

ACRS

TMarsh/ELeeds

AHowe (A)

RLaufer

JAlbright

MO'Brien (2)

FAkstulewicz

ZAbdullahi

CBixler, RI

EKendrick

AAttard

THuang

JJolicoeur, EDO RI

ACCESSION NUMBER: ML040630331

OFFICE	PDI-1/PM	PDI-2/LA	SRXB/SC	PDI-1/SC
NAME	RGuzman	MO'Brien	FAkstulewicz	RLaufer
DATE	3/4/04	3/4/04	3/4/04	3/5/04

OFFICIAL RECORD COPY

LIST OF ATTENDEES  
REVIEW MEETING WITH PPL SUSQUEHANNA, LLC  
REGARDING PROPOSED MINIMUM CRITICAL POWER RATIO  
SAFETY LIMIT CHANGES  
FEBRUARY 26, 2004 - 9:00-12:00, O-14-B-8

<u>NAME</u>	<u>ORGANIZATION</u>
1. Richard V. Guzman	NRC/NRR/DLPM/PDI-1
2. Francis Akstulewicz	NRC/NRR/DSSA/SRXB
3. Zena Abdullahi	NRC/NRR/DSSA/SRXB
4. Edward Kendrick	NRC/NRR/DSSA/SRXB
5. Anthony Attard	NRC/NRR/DSSA/SRXB
6. Tai Huang	NRC/NRR/DSSA/SRXB
7. Robert Saccone	PPL Susquehanna
8. Rocco Sgarro	PPL Susquehanna
9. Chet Lehmann	PPL Susquehanna
10. Andrew Dyszel	PPL Susquehanna
11. John M. Kulick	PPL Susquehanna
12. Jason Hartzell	PPL Susquehanna
13. Jerry Holm	Framatome, ANP
14. Jerry Ingham	Framatome, ANP

PPL Susquehanna, LLC

## MEETING SLIDES

Susquehanna Steam Electric Station, Units 1 and 2

cc:

Bryce L. Shriver  
Senior Vice President and Chief Nuclear  
Officer  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

Richard L. Anderson  
Vice President - Nuclear Operations  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

Aloysius J. Wrape, III  
General Manager - Nuclear Assurance  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Terry L. Harpster  
General Manager - Plant Support  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSA4  
Berwick, PA 18603-0467

Robert A. Saccone  
General Manager - Nuclear Engineering  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB3  
Berwick, PA 18603-0467

Rocco R. Sgarro  
Manager - Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Walter E. Morissey  
Supervising Engineer  
Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSA4  
Berwick, PA 18603-0467

Michael H. Crowthers  
Supervising Engineer  
Nuclear Regulatory Affairs  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Dale F. Roth  
Manager - Quality Assurance  
PPL Susquehanna, LLC  
769 Salem Blvd., NUCSB2  
Berwick, PA 18603-0467

Herbert D. Woodeshick  
Special Office of the President  
PPL Susquehanna, LLC  
634 Salem Blvd., SSO  
Berwick, PA 18603-0467

Bryan A. Snapp, Esq  
Assoc. General Counsel  
PPL Services Corporation  
Two North Ninth Street, GENTW3  
Allentown, PA 18101-1179

Supervisor - Document Control Services  
PPL Susquehanna, LLC  
Two North Ninth Street, GENPL4  
Allentown, PA 18101-1179

Richard W. Osborne  
Allegheny Electric Cooperative, Inc.  
212 Locust Street  
P.O. Box 1266  
Harrisburg, PA 17108-1266

Director - Bureau of Radiation Protection  
Pennsylvania Department of  
Environmental Protection  
P.O. Box 8469  
Harrisburg, PA 17105-8469

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 35, NUCSA4  
Berwick, PA 18603-0035

Susquehanna Steam Electric Station, Units 1 and 2

cc:

Regional Administrator, Region 1  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Board of Supervisors  
Salem Township  
P.O. Box 405  
Berwick, PA 18603-0035

Dr. Judith Johnsrud  
National Energy Committee  
Sierra Club  
443 Orlando Avenue  
State College, PA 16803