

December 23, 2005

LICENSEE: PPL Susquehanna, LLC (PPL)

FACILITY: Susquehanna Steam Electric Station, Units 1 and 2 (SSES 1 and 2)

SUBJECT: SUMMARY OF NOVEMBER 15, 2005, CATEGORY 1 MEETING WITH PPL TO DISCUSS THE LICENSEE'S PROPOSED EXTENDED POWER UPRATE (EPU) SUBMITTAL RELATED TO FLOW INDUCED VIBRATION AND REACTOR PRESSURE VESSEL STEAM DRYER ANALYSIS (TAC NOS. MC6322 AND MC6323)

On November 15, 2005, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of PPL at the NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss information regarding PPL's proposed EPU application in the areas of its (1) flow induced vibration evaluation and (2) reactor pressure vessel steam dryer analysis.

PPL presented information on its schedule and strategy for submitting its EPU application, projected for March 2006. PPL discussed their plan to uprate in a two-step process which would cover two refueling cycles. They provided an overview of their current plan to evaluate the most likely problematic locations for increased flow induced vibration (FIV) effects by focusing on main steam, condensate, feedwater, extraction steam, and feedwater heater drain systems. PPL also described their installed piping instrumentation as well as their ongoing initiatives for inspections and continued monitoring. The NRC recommended that PPL consider industry experience on best practices for the proper placement of instrumentation on the most susceptible locations. PPL emphasized that they will try to get as much baseline data on their instrumentation prior to implementation. Based on their latest results in support of their FIV evaluation, PPL indicated that (1) low vibration responses have been observed at the most susceptible locations, (2) moderate vibration responses have been observed in the recirculation system piping, but are still well within acceptable levels, and (3) the observed data will provide the inputs for future monitoring locations.

PPL also presented information related to their reactor pressure vessel steam dryer analysis by providing an overview of the characteristics of the curved hood steam dryers as well as other EPU-specific design considerations at SSES 1 and 2. PPL indicated that their overall approach and method of analyzing steam dryer cracking is based on industry experience and will assess both current and predictive loads.

The business portion of the meeting concluded with a discussion of the licensee's overall EPU submittal plan. The NRC staff recommended that the licensee provide as much detail and applicable data in their application to support a thorough acceptance review.

One member of the public was in attendance, representing the State of Pennsylvania. The member of the public chose not to complete a Public Meeting Feedback form (NRC Form 659) which was available at the meeting. Attachment 1 is a list of the meeting attendees, and Attachment 2 is a copy of the licensee's slides presented at the meeting.

Please direct any inquiries to me at 301-415-1402 or rvg@nrc.gov.

/RA/

Richard V. Guzman, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosures: 1. List of Attendees
 2. Licensee's Handout

cc w/encls: See next page

Please direct any inquiries to me at 301-415-1402 or rvg@nrc.gov.

/RA/

Richard V. Guzman, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosures: 1. List of Attendees
2. Licensee's Handout

cc w/encls: See next page

DISTRIBUTION:

PUBLIC	PDI-1 Reading	OGC	ACRS	RGuzman
TScarbrough	JWu	TAlexion	KManoly	SLittle
CHaney	CHolden	RLaufer	JTrapp, RI	NMorgan

ACCESSION NUMBER: ML053540051

OFFICE	LPLI-1/PM	LPLI-1/LA	LPLI-1/BC
NAME	RGuzman	SLittle	RLaufer
DATE	12/22/05	12/22/05	12/23/05

OFFICIAL RECORD COPY

MEETING ATTENDEES

CATEGORY 1 WORKING-LEVEL MEETING WITH PPL SUSQUEHANNA
TO DISCUSS THE PROPOSED EXTENDED POWER UPRATE (EPU) SUBMITTAL
RELATED TO FLOW INDUCED VIBRATION AND STEAM DRYER ANALYSIS
FOR SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2

NOVEMBER 15, 2005

NAME

ORGANIZATION

Richard V. Guzman	NRC/NRR/DORL/LPLI-1
Nadiyah Morgan	NRC/NRR/DORL/LPLI-1
Thomas Alexion	NRC/NRR/ADRA/DPR
Thomas Scarbrough	NRC/NRR/DCI
John Wu	NRC/NRR/DE/EEMB
Kamal Manoly	NRC/NRR/DE/EEMB
Kevin Browning	PPL Susquehanna
John M. Oddo	PPL Susquehanna
Michael S. Gorski	PPL Susquehanna
George T. Jones	PPL Susquehanna
John A. Bartos	PPL Susquehanna
Alan Bilanin	PPL Consultant, Continuum Dynamics
Santo Ferrarello	PPL Consultant, Applied Analysis Corporation
Karen Fujikawa	PPL Consultant, Structural Integrity
Dan Pappone	PPL Consultant, General Electric
Larry King	PPL Consultant, General Electric
Joe Ferrante	PPL Consultant, Delat Energy Services
Lance Hubbard	Allegheny Electric Cooperative
Brad Fuller	Pennsylvania Radiation Protection

MEETING SLIDES

Susquehanna Steam Electric Station, Units 1 and 2

cc:

Britt T. McKinney
Vice President - Nuclear Site Operations
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. Morrissey
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

Luis A. Ramos
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

Susquehanna Steam Electric Station, Units 1 and 2

cc:

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

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