



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

August 31, 2006

Mr. Britt T. McKinney
Senior Vice President, and
Chief Nuclear Officer
PPL Susquehanna, LLC
769 Salem Boulevard - NUCSB3
Berwick, PA 18603-0467

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
SUSQUEHANNA STEAM ELECTRIC STATION

Dear Mr. McKinney:

On August 7, 2006, the NRC staff completed its performance review of Susquehanna Steam Electric Station for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter at Susquehanna Units 1 and 2 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting an inspection associated with power uprate activities.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

B. McKinney

2

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

James M. Trapp, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos. 50-387; 50-388
License Nos. NPF-14, NPF-22

Enclosure: Susquehanna Inspection/ Activity Plan

cc w/encl:

R. A. Saccone, Vice President - Nuclear Operations
A. J. Wrape, III, General Manager- Performance Improvement and Oversight
T. L. Harpster, General Manager - Plant Support
R. D. Pagodin, General Manager - Nuclear Engineering
R. R. Sgarro, Manager - Nuclear Regulatory Affairs
W. E. Morrissey, Supervisor, Nuclear Regulatory Affairs
M. H. Crowthers, Supervising Engineer, Nuclear Regulatory Affairs
S. Cook, Manager - Quality Assurance
L. A. Ramos, Community Relations Manager, Susquehanna
B. A. Snapp, Esquire, Associate General Counsel, PPL Services Corporation
Supervisor - Document Control Services
R. W. Osborne, Allegheny Electric Cooperative, Inc.
Director - Bureau of Radiation Protection, PA Department of Environmental Protection
Board of Supervisors, Salem Township
J. Johnsrud, National Energy Committee

B. McKinney

2

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,
/RA/
James M. Trapp, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos. 50-387; 50-388
License Nos. NPF-14, NPF-22

Enclosure: Susquehanna Inspection/ Activity Plan

Distribution w/encl: (via E-mail)

S. Collins, RA
M. Dapas, DRA
J. Trapp, DRP
C. Khan, DRP
A. Blamey, DRP - SRI Susquehanna
F. Jaxheimer, DRP - RI Susquehanna
S. Farrell, DRP - Susquehanna OA
B. Sosa, RI OEDO
R. Laufer, NRR
R. Guzman, PM, NRR

T. Colburn, PM (backup), NRR
Region I Docket Room (with concurrences)
D. Screnci, PAO
N. Sheenhan, PAO
DRS Director
DRS Deputy Director
DRS Branch Chiefs
RidsNrrDiplipb@nrs.gov
Institute of Nuclear Power Organization (INPO)

SUNSI Review Complete: _____ CBK _____ (Reviewer's Initials)

DOCUMENT NAME: S:\ROP 7 Mid Cycle Review\2006 ROP7 Mid-Cycle Letters\SUS 2006 Mid-Cycle Letter.wpd
After declaring this document "An Official Agency Record" it will be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	RI/DRP	RI/DRP	RI/DRP	E
NAME	ABlamey/CBK	CKhan	JTrapp	
DATE	08/28/06	08/28/06	08/28 /06	

OFFICIAL RECORD COPY

Susquehanna
Inspection / Activity Plan
 07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	ISFSI - ISFSI		2			
1,2	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		05/01/2006	07/15/2006	Other Routine
	60855 - OPERATION OF AN ISFSI		3			
1,2	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		06/12/2006	08/30/2006	Other Routine
	71121 - OCC RAD SAFETY		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/14/2006	08/18/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		08/14/2006	08/18/2006	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/14/2006	08/18/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/14/2006	08/18/2006	Baseline Inspections
	7111401 - EXERCISE EVALUATION & PI VERIFICATION		4			
1,2	IP 7111401	Exercise Evaluation		09/18/2006	09/22/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/18/2006	09/22/2006	Baseline Inspections
	TI-169 - TI: MSPI VERIFICATION		1			
1,2	IP 2515/169	Mitigating Systems Performance Index Verification		10/30/2006	11/10/2006	Safety Issues
	7112202 - PUB RAD SAFETY - RADWASTE		1			
1,2	IP 7112202	Radioactive Material Processing and Transportation		11/27/2006	12/01/2006	Baseline Inspections
	P UPRATE - POWER UPRATE FOR UNIT 2		3			
2	IP 71004	Power Uprate		01/01/2007	03/31/2007	Other Routine
	71114 - EP PRGM INSP		2			
1,2	IP 7111402	Alert and Notification System Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		02/05/2007	02/09/2007	Baseline Inspections
	7111107 - HEAT SINK INSP		2			
1,2	IP 7111107B	Heat Sink Performance		03/05/2007	03/09/2007	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		03/12/2007	03/16/2007	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		03/12/2007	03/16/2007	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/12/2007	03/16/2007	Baseline Inspections
	7111108G - IN SERVICE INSPECTION		2			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/19/2007	03/23/2007	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/07/2007	05/11/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		05/07/2007	05/11/2007	Baseline Inspections

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.

Susquehanna
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71121 - OCC RAD SAFETY		1			
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/07/2007	05/11/2007	Baseline Inspections
	7111121 - CDBI (COMPONENT DESIGN BASES INSPECTION)		6			
1	IP 7111121	Component Design Bases Inspection		05/21/2007	05/25/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/04/2007	06/08/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/18/2007	06/22/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/25/2007	06/29/2007	Baseline Inspections
	7112203 - PUB RAD SAFETY - REMP		1			
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		06/18/2007	06/22/2007	Baseline Inspections
	7111111B - L.O. REQUAL. PROG. + P/F REVIEW		3			
1,2	IP 7111111B	Licensed Operator Requalification Program		09/25/2007	09/29/2007	Baseline Inspections
1,2	IP 7111111B	Licensed Operator Requalification Program		10/02/2007	10/06/2007	Baseline Inspections
	12/10+EX - OPERATOR LICENSING INITIAL EXAMS		4			
1	U01629	SUSQUEHANNA UNIT 1 & 2 INITIAL EXAM (FY08)		11/12/2007	11/16/2007	Not Applicable
1	U01629	SUSQUEHANNA UNIT 1 & 2 INITIAL EXAM (FY08)		12/10/2007	12/21/2007	Not Applicable
	71121 - OCC RAD SAFETY		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/26/2007	11/30/2007	Baseline Inspections
	71152B - PI&R		4			
1,2	IP 71152B	Identification and Resolution of Problems		01/14/2008	01/18/2008	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		01/28/2008	02/01/2008	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		02/11/2008	02/15/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/10/2008	03/14/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/10/2008	03/14/2008	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/10/2008	03/14/2008	Baseline Inspections