

## UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 2, 2006

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

SUBJECT: ANNUAL ASSESSMENT LETTER - SUSQUEHANNA STEAM ELECTRIC

STATION (REPORT 05000387/2006001 AND 05000388/2006001)

Dear Mr. McKinney:

On February 6, 2006, the NRC staff completed its performance review of Susquehanna Steam Electric Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. 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 "Official Use Only - Security-Related Information" will include the physical protection review and resultant inspection plan.

Overall, Susquehanna Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. Planned inspections include an independent spent fuel storage installation inspection. 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 mid-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 <a href="http://www.nrc.gov/reading-rm/adams.html">http://www.nrc.gov/reading-rm/adams.html</a> (the Public Electronic Reading Room).

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

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### Susquehanna

# Inspection / Activity Plan 03/01/2006 - 09/30/2007

Unit No. of Staff **Planned Dates** Inspection Number Inspection Activity Title on Site Start End **Type** 7111108G - INSERVICE INSPECTION - UNIT 1 1 IP 7111108G 03/13/2006 03/17/2006 Baseline Inspections 1 Inservice Inspection Activities - BWR ISI - ISI AT UNIT 1 2 IP 7111108G Inservice Inspection Activities - BWR 1 71121 - OCC RAD SAFETY 1 IP 7112101 Access Control to Radiologically Significant Areas 03/13/2006 03/17/2006 **Baseline Inspections** 1.2 1.2 IP 7112102 03/17/2006 **ALARA Planning and Controls** 03/13/2006 Baseline Inspections 1.2 IP 7112103 Radiation Monitoring Instrumentation and Protective Equipment 03/13/2006 03/17/2006 **Baseline Inspections** ISFSI - ISFSI 2 IP 60855.1 1.2 Operation of an Independent Spent Fuel Storage Installation at Operating Plants 05/01/2006 07/15/2006 Other Routine 71121 - OCC RAD SAFETY 1 1.2 IP 7112101 Access Control to Radiologically Significant Areas 06/12/2006 06/16/2006 **Baseline Inspections** 1.2 IP 7112102 ALARA Planning and Controls 06/12/2006 06/16/2006 Baseline Inspections 1, 2 IP 7112103 Radiation Monitoring Instrumentation and Protective Equipment 06/12/2006 06/16/2006 **Baseline Inspections MODS** - MODS AND 50.59 3 IP 7111102 1, 2 Evaluation of Changes, Tests, or Experiments 06/12/2006 06/16/2006 **Baseline Inspections** 1, 2 IP 7111117B Permanent Plant Modifications 06/12/2006 06/16/2006 **Baseline Inspections** 7111111B - L.O. REQUAL. PROG. + P/F REVIEW 4 1, 2 IP 7111111B Licensed Operator Requalification Program 09/25/2006 09/29/2006 **Baseline Inspections** 1, 2 IP 7111111B Licensed Operator Requalification Program 10/09/2006 10/13/2006 Baseline Inspections 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 08/14/2006 08/18/2006 **Baseline Inspections ALARA Planning and Controls** 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** 7112202 - PUB RAD SAFETY - RADWASTE 1 12/01/2006 IP 7112202 Radioactive Material Processing and Transportation Baseline Inspections 1, 2 11/27/2006 - EP PRGM INSP 71114 1 1, 2 IP 7111402 Alert and Notification System Testing 02/05/2007 02/09/2007 **Baseline Inspections Emergency Response Organization Augmentation Testing** 1, 2 IP 7111403 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** 

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

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### Susquehanna

inspection i	P	activity Plan
03/01/2006	-	09/30/2007

Unit	l	No		Planned Dates		Inspection
Number	Inspection Activity	Title	on Site	Start	End	Туре
	7111107 - HEA	T SINK INSP	1			
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 S	ERVICE INSPECTION	1			
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
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/07/2007	05/11/2007	Baseline Inspections
	7111121 - CDB	BI (COMPONENT DESIGN BASES INSPECTION)	7			
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 F		06/18/2007	06/22/2007	Baseline Inspections