



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

March 4, 2011

Mr. Thomas P. Joyce  
President and Chief Nuclear Officer  
PSEG Nuclear LLC - N09  
P.O. Box 236  
Hancocks Bridge, NJ 08038

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SALEM NUCLEAR GENERATING  
STATION, UNITS 1 AND 2 (05000272/2010001 AND 05000311/2010001)

Dear Mr. Joyce:

On February 10, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Salem Nuclear Generating Station (Salem), Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs), in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

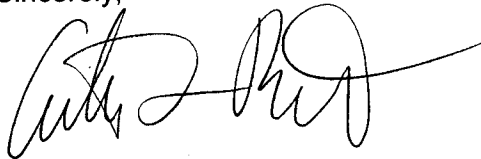
The NRC determined that overall, Salem Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined that performance at Salem Units 1 and 2, during the most recent quarter, was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

Please contact me at 610-337-5069 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Arthur L. Burritt", with a long horizontal flourish extending to the right.

Arthur L. Burritt, Chief  
Division of Reactor Projects  
Projects Branch 3

Docket Nos. 50-272, 50-311  
License Nos. DPR-70, DPR-75

cc w/encl: Distribution via ListServ  
Salem Nuclear Generating Station Inspection/ Activity Plan

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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 (the Public Electronic Reading Room).

Please contact me at 610-337-5069 with any questions you have regarding this letter.

Sincerely,  
/RA/  
Arthur L. Burritt, Chief  
Division of Reactor Projects\  
Projects Branch 3

Docket Nos. 50-272, 50-311  
License Nos. DPR-70, DPR-75

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Salem Nuclear Generating Station Inspection/ Activity Plan

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NAME	LCline/ LC	ABurritt/ ALB		
DATE	02/28 /11	03/01 /11		

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**Salem**  
**Inspection / Activity Plan**  
**01/01/2011 - 06/30/2012**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>71124 - HP INSPECTION</b>					<b>1</b>
1,2	01/03/2011	01/07/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/03/2011	01/07/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	01/03/2011	01/07/2011	IP 71124.04	Occupational Dose Assessment	
<b>7111121 - CDBI</b>					<b>7</b>
1,2	01/24/2011	01/28/2011	IP 7111121	Component Design Bases Inspection	
1,2	02/07/2011	02/11/2011	IP 7111121	Component Design Bases Inspection	
1,2	02/14/2011	02/18/2011	IP 7111121	Component Design Bases Inspection	
<b>EP PROGR - EP PROGRAM INSPECTION</b>					<b>1</b>
1,2	03/14/2011	03/18/2011	IP 7111402	Alert and Notification System Testing	
1,2	03/14/2011	03/18/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	03/14/2011	03/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	03/14/2011	03/18/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	03/14/2011	03/18/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	03/14/2011	03/18/2011	IP 71151-EP02	ERO Drill Participation	
1,2	03/14/2011	03/18/2011	IP 71151-EP03	Alert & Notification System	
<b>0912EXM - OPERATOR LICENSING INITIAL EXAMS</b>					<b>4</b>
1	08/15/2011	08/19/2011	U01830	FY11- SALEM, INITIAL OL EXAM	
1	09/19/2011	09/23/2011	U01830	FY11- SALEM, INITIAL OL EXAM	
<b>71124 - HP</b>					<b>1</b>
2	04/18/2011	04/22/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	04/18/2011	04/22/2011	IP 71124.02	Occupational ALARA Planning and Controls	
2	04/18/2011	04/22/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
<b>7111108P - U2 INSERVICE INSPECTION</b>					<b>1</b>
2	04/18/2011	04/29/2011	IP 7111108P	Inservice Inspection Activities - PWR	
<b>71152 - PI&amp;R</b>					<b>4</b>
1,2	06/27/2011	07/01/2011	IP 71152B	Identification and Resolution of Problems	
1,2	07/11/2011	07/15/2011	IP 71152B	Identification and Resolution of Problems	
<b>711111B - SALEM REQUAL INSP W/ P/F RESULTS</b>					<b>2</b>
1,2	08/22/2011	08/26/2011	IP 7111111B	Licensed Operator Requalification Program	
<b>71124 - REMP</b>					<b>1</b>
1,2	07/25/2011	07/29/2011	IP 71124.07	Radiological Environmental Monitoring Program	
<b>71124 - HP</b>					<b>1</b>
1,2	10/31/2011	11/04/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1,2	10/31/2011	11/04/2011	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	

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

**Salem**  
**Inspection / Activity Plan**  
**01/01/2011 - 06/30/2012**

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>71124 - HP</b>		<b>1</b>
1	10/31/2011 11/04/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/31/2011 11/04/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/31/2011 11/04/2011	IP 71124.05	Radiation Monitoring Instrumentation	
		<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	11/07/2011 11/18/2011	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>71124 - RADWASTE</b>		<b>1</b>
1,2	12/05/2011 12/09/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>
1,2	01/23/2012 01/27/2012	IP 7111105T	Fire Protection [Triennial]	
1,2	02/06/2012 02/10/2012	IP 7111105T	Fire Protection [Triennial]	
		<b>71124.06 - PUB RAD SAFETY - RETS</b>		<b>1</b>
1,2	01/30/2012 02/03/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	01/30/2012 02/03/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
		<b>71124 - OCC RDA SAFETY</b>		<b>1</b>
1,2	03/12/2012 03/16/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/12/2012 03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/12/2012 03/16/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		<b>EP EX - EP EXERCISE EVALUATION</b>		<b>5</b>
1,2	05/21/2012 05/25/2012	IP 7111401	Exercise Evaluation	
1,2	05/21/2012 05/25/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
		<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	06/11/2012 06/15/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	06/11/2012 06/15/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	06/11/2012 06/15/2012	IP 71124.04	Occupational Dose Assessment	
1,2	06/11/2012 06/15/2012	IP 71124.05	Radiation Monitoring Instrumentation	

This report does not include INPO and OUTAGE activities.  
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