

August 30, 2005

Mr. Fred Dacimo  
Site Vice President  
Entergy Nuclear Operations Inc.  
Indian Point Energy Center  
295 Broadway, Suite 1  
Post Office Box 249  
Buchanan, NY 10511-0249

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - INDIAN  
POINT NUCLEAR GENERATING UNITS 2 AND 3

Dear Mr. Dacimo:

On August 4, 2005, the NRC staff completed its performance review of the Indian Point Nuclear Generating Units 2 and 3 (IP2 and IP3) for the first half of the calendar year 2005 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 at IP2 for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a finding of low to moderate safety significance (White) in the Mitigating Systems cornerstone that involved degradation to the safety injection system over a period of several weeks. Specifically, the accumulation of nitrogen gas in portions of the safety injection system rendered one pump inoperable and would have degraded the performance of the two remaining pumps. In addition to baseline inspection activities to be conducted at IP2, a Supplemental Inspection will be conducted to provide assurance that Entergy's corrective actions for the degradation of the safety injection system are sufficient to address the root causes and contributing causes, and to prevent recurrence. This Supplemental Inspection is planned for the week of December 5, 2005.

Plant performance at IP3 for the most recent quarter 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 currently plan to conduct reactor oversight process (ROP) baseline inspections at IP3.

Regarding the open substantive cross-cutting issue in the area of Problem Identification and Resolution (PI&R) at IP2, our annual assessment for 2004 noted weaknesses in corrective action as a common theme among inspection findings. We examined PI&R related findings from the last twelve months, including results from the June 2005 PI&R team inspection, and noted that Entergy reduced the number and significance of findings with the common theme of corrective action. However, there were also five findings that involved weaknesses in Entergy's evaluations for identified deficiencies, including the White finding for degradation of the safety injection system. These evaluations were not of sufficient rigor or quality to identify issues which subsequently contributed to a plant transient or degradation of safety equipment. We concluded that the PI&R cross-cutting issue should remain open. Entergy, through its self-assessments, has recognized the need to improve the rigor and quality of evaluations. The NRC will review the effectiveness of your improvement efforts through scheduled Baseline Inspections, and during a Supplemental Inspection scheduled for December.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through March 31, 2007. This inspection plan is provided to minimize the resource impact on your staff and to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival on site. 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. Brian McDermott at (610) 337-5233 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Brian E. Holian, Director  
Division of Reactor Projects

Docket Nos. 50-247 and 50-286  
License No. DPR-26 and DPR-64

Enclosures: Indian Point Nuclear Generating Unit 2 and Unit 3 Inspection/Activity Plans

cc w/encl:

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Mr. Fred Dacimo

4

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5

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**SISP Review Complete:** BJM (Reviewer's Initials)

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DATE	08/18/05		08/30/05		08/30/05				

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**Indian Point**  
**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
2	IP 7112202	Radioactive Material Processing and Transportation		09/19/2005	09/23/2005	Baseline Inspections
	<b>71114 - EP PROGRAM AND EP PI INSPECTION</b>		<b>1</b>			
2	IP 7111402	Alert and Notification System Testing		10/31/2005	11/04/2005	Baseline Inspections
2	IP 7111403	Emergency Response Organization Augmentation Testing		10/31/2005	11/04/2005	Baseline Inspections
2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/31/2005	11/04/2005	Baseline Inspections
2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/31/2005	11/04/2005	Baseline Inspections
2	IP 71151	Performance Indicator Verification		10/31/2005	11/04/2005	Baseline Inspections
	<b>711112B - MAINTENANCE RULE</b>		<b>2</b>			
2	IP 711112B	Maintenance Effectiveness		11/28/2005	12/02/2005	Baseline Inspections
	<b>95001 - GAS INTRUSION INTO SI SYSTEM</b>		<b>1</b>			
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		12/05/2005	12/09/2005	Supplemental Progra
	<b>71121 - OCC RADIATION SAFETY</b>		<b>1</b>			
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/06/2006	03/10/2006	Baseline Inspections
	<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		04/24/2006	05/05/2006	Baseline Inspections
	<b>711111B - UNIT 2 L.O. REQUAL PROGRAM &amp; P/F RESULTS</b>		<b>3</b>			
2	IP 711111B	Licensed Operator Requalification Program		06/19/2006	06/23/2006	Baseline Inspections
2	IP 711111B	Licensed Operator Requalification Program		06/26/2006	06/30/2006	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
2	IP 7112101	Access Control to Radiologically Significant Areas		05/01/2006	05/05/2006	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		05/01/2006	05/05/2006	Baseline Inspections
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		06/05/2006	06/09/2006	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/19/2006	06/23/2006	Baseline Inspections
	<b>7111107B - HEAT SINK</b>		<b>2</b>			
2	IP 7111107B	Heat Sink Performance		06/27/2006	07/01/2006	Baseline Inspections
	<b>71152B - PI&amp;R</b>		<b>5</b>			
2	IP 71152B	Identification and Resolution of Problems		09/18/2006	09/22/2006	Baseline Inspections
2	IP 71152B	Identification and Resolution of Problems		10/02/2006	10/06/2006	Baseline Inspections
	<b>MODS - MODS &amp; 50.59</b>		<b>3</b>			
2	IP 7111102	Evaluation of Changes, Tests, or Experiments		10/30/2006	11/03/2006	Baseline Inspections
2	IP 7111117B	Permanent Plant Modifications		10/30/2006	11/03/2006	Baseline Inspections

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

**Indian Point**  
**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>7111401</b>	<b>- EXERCISE EVALUATION &amp; EP PI VERIFICATION</b>	<b>5</b>			
2	IP 7111401	Exercise Evaluation		11/13/2006	11/17/2006	Baseline Inspections
2	IP 71151	Performance Indicator Verification		11/13/2006	11/17/2006	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
2	IP 7112101	Access Control to Radiologically Significant Areas		12/18/2006	12/22/2006	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		12/18/2006	12/22/2006	Baseline Inspections
2	IP 71151	Performance Indicator Verification		12/18/2006	12/22/2006	Baseline Inspections
	<b>TRI FIRE</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>3</b>			
2	IP 7111105T	Fire Protection [Triennial]		03/12/2007	03/16/2007	Baseline Inspections
2	IP 7111105T	Fire Protection [Triennial]		03/26/2007	03/30/2007	Baseline Inspections
	<b>7111121</b>	<b>- SSD&amp;PC</b>	<b>6</b>			
2	IP 7111121	Safety System Design and Performance Capability		03/05/2007	03/09/2007	Baseline Inspections
2	IP 7111121	Safety System Design and Performance Capability		03/19/2007	03/23/2007	Baseline Inspections
	<b>7112202</b>	<b>- PUB RAD SAFETY - RADWASTE</b>	<b>1</b>			
2	IP 7112202	Radioactive Material Processing and Transportation		03/19/2007	03/23/2007	Baseline Inspections

**Indian Point 3**  
**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7111107B - HEAT SINK</b>		<b>1</b>			
3	IP 7111107B	Heat Sink Performance		08/08/2005	08/12/2005	Baseline Inspections
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
3	IP 7112202	Radioactive Material Processing and Transportation		09/19/2005	09/23/2005	Baseline Inspections
	<b>7111121 - SSDI</b>		<b>6</b>			
3	IP 7111121	Safety System Design and Performance Capability		10/31/2005	11/04/2005	Baseline Inspections
3	IP 7111121	Safety System Design and Performance Capability		11/14/2005	11/18/2005	Baseline Inspections
	<b>71114 - EP PROGRAM &amp; EP PI VERIFICATION</b>		<b>1</b>			
3	IP 7111402	Alert and Notification System Testing		10/31/2005	11/04/2005	Baseline Inspections
3	IP 7111403	Emergency Response Organization Augmentation Testing		10/31/2005	11/04/2005	Baseline Inspections
3	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/31/2005	11/04/2005	Baseline Inspections
3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/31/2005	11/04/2005	Baseline Inspections
3	IP 71151	Performance Indicator Verification		10/31/2005	11/04/2005	Baseline Inspections
	<b>7111112B - MAINTENANCE RULE</b>		<b>2</b>			
3	IP 7111112B	Maintenance Effectiveness		11/28/2005	12/02/2005	Baseline Inspections
	<b>71121 - OCC RADIATION SAFETY</b>		<b>1</b>			
3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/06/2006	03/10/2006	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		05/01/2006	05/05/2006	Baseline Inspections
3	IP 7112102	ALARA Planning and Controls		05/01/2006	05/05/2006	Baseline Inspections
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		06/05/2006	06/09/2006	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/19/2006	06/23/2006	Baseline Inspections
	<b>71152B - PI&amp;R</b>		<b>5</b>			
3	IP 71152B	Identification and Resolution of Problems		09/18/2006	09/22/2006	Baseline Inspections
3	IP 71152B	Identification and Resolution of Problems		10/02/2006	10/06/2006	Baseline Inspections
	<b>MODS - MODS AND 50.59</b>		<b>3</b>			
3	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/18/2006	09/22/2006	Baseline Inspections
3	IP 7111117B	Permanent Plant Modifications		09/18/2006	09/22/2006	Baseline Inspections
	<b>10/23EXM - OPERATOR LICENSING INITIAL EXAMS</b>		<b>3</b>			
3	U01636	INDIAN POINT 3 INITIAL EXAM (FY 07)		09/25/2006	09/29/2006	Not Applicable
3	U01636	INDIAN POINT 3 INITIAL EXAM (FY 07)		10/23/2006	10/27/2006	Not Applicable
	<b>7111401 - EXERCISE EVALUATION &amp; EP PI VERIFICATION</b>		<b>5</b>			
3	IP 7111401	Exercise Evaluation		11/13/2006	11/17/2006	Baseline Inspections

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**Indian Point 3**  
**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

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	<b>7111401</b>	<b>- EXERCISE EVALUATION &amp; EP PI VERIFICATION</b>	<b>5</b>			
3	IP 71151	Performance Indicator Verification		11/13/2006	11/17/2006	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		12/18/2006	12/22/2006	Baseline Inspections
3	IP 7112102	ALARA Planning and Controls		12/18/2006	12/22/2006	Baseline Inspections
3	IP 71151	Performance Indicator Verification		12/18/2006	12/22/2006	Baseline Inspections
	<b>7112202</b>	<b>- PUB RAD SAFETY - RADWASTE</b>	<b>1</b>			
3	IP 7112202	Radioactive Material Processing and Transportation		03/19/2007	03/23/2007	Baseline Inspections
	<b>7111108P</b>	<b>- IN-SERVICE INSPECTION</b>	<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		03/19/2007	03/30/2007	Baseline Inspections