



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

September 1, 2011

Mr. Joseph E. Pollock, Site Vice President
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
Buchanan, NY 10511-0249

SUBJECT: MID-CYCLE LETTER FOR INDIAN POINT NUCLEAR GENERATING UNITS 2
AND 3 (REPORTS 05000247/2011006 & 05000286/2011006)

Dear Mr. Pollock:

On August 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) staff completed its mid-cycle performance review of Indian Point Nuclear Generating Units 2 and 3 (Indian Point). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2010, through June 30, 2011. 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 the performance at Indian Point Units 2 and 3 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 December 31, 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 end-of-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 addition to the baseline inspection program at Units 2 and 3, we plan to conduct independent spent fuel storage installation inspections (ISFSI) at Unit 2 using Inspection Procedure 60855.1, "Operation of an ISFSI at Operating Plants."

Also, we have scheduled a review of your proposed commitments made during the license renewal application process regarding Indian Point Unit 2. This activity will include an inspector review of Aging Management Program (AMP) implementation and will be conducted using

Temporary Instruction 2516/001, "Review of License Renewal Activities." The overall purpose of the review is to assess progress of your voluntary actions associated with monitoring passive components within the scope of license renewal and as tentatively accepted by the staff's safety evaluation report. The Temporary Instruction is available on the NRC Website at: <http://pbadupws.nrc.gov/docs/ML1106/ML110620255.pdf>.

The NRC currently budgets and completes inspections at Indian Point Units 2 and 3 considering each unit as a single reactor site. This approach is based on the historical differences involving ownership and operation of each unit by different utilities with separate organizations. Since 2001, Entergy has been the sole owner and operator of Indian Point Units 2 and 3, and has consolidated and implemented plant programs and processes. Currently only the licensed operator programs are implemented on a unit basis. As a result, insights from our inspections on one unit are generally applicable to the other unit. The NRC is therefore considering implementing an inspection program that treats Indian Point Units 2 and 3 as a single site. As a first step the attached inspection plans for Indian Point Units 2 and 3 schedule major team inspections concurrently at both units. The NRC will monitor the results of these team inspections and inform you regarding changes to our inspection plans in the future.

In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here: <http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the Agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21st Century: The Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident." The NRC is currently reviewing the Task Force's recommendations to determine what additional actions may be warranted.

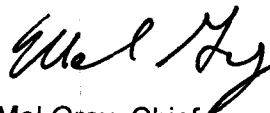
In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible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

J. Pollock

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If circumstances arise which cause us to change the inspection plans, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5209 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

A handwritten signature in black ink, appearing to read "Mel Gray", with a long, sweeping horizontal line extending to the right across the page.

Mel Gray, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos. 50-247; 50-286
License Nos. DPR-26; DPR-64

Enclosure: Point 2 & 3 Inspection / Activity Plan

cc w/encl: Distribution via ListServ

J. Pollock

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If circumstances arise which cause us to change the inspection plans, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5209 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Mel Gray, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos. 50-247; 50-286
License Nos. DPR-26; DPR-64

Enclosure: Indian Point 2 & 3 Inspection/Activity Plan

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|-------------------|---------------|-------------|----------|--|
| OFFICE <i>lhp</i> | RI/DRP | RI/DRP | RI/DRP | |
| NAME | SMcCarver/smc | BBickett/bb | MGray/mg | |
| DATE | 08/29/11 | 08/29/11 | 08/30/11 | |

OFFICIAL RECORD COPY

Indian Point
Inspection / Activity Plan
07/01/2011 - 12/31/2012

| Unit Number | Planned Dates Start | Planned Dates End | Inspection Activity | Title | No. of Staff on Site |
|--|---------------------|-------------------|---------------------|---|----------------------|
| EP PROGR - EP PROGRAM INSPECTION | | | | | 1 |
| 2 | 08/22/2011 | 08/26/2011 | IP 7111402 | Alert and Notification System Testing | |
| 2 | 08/22/2011 | 08/26/2011 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 2 | 08/22/2011 | 08/26/2011 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| 2 | 08/22/2011 | 08/26/2011 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 2 | 08/22/2011 | 08/26/2011 | IP 71151-EP01 | Drill/Exercise Performance | |
| 2 | 08/22/2011 | 08/26/2011 | IP 71151-EP02 | ERO Drill Participation | |
| 2 | 08/22/2011 | 08/26/2011 | IP 71151-EP03 | Alert & Notification System | |
| 71124 - HP INSP-EFFLUENTS & PI VERIFICATION | | | | | 1 |
| 2 | 08/29/2011 | 09/02/2011 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 2 | 08/29/2011 | 09/02/2011 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 2 | 08/29/2011 | 09/02/2011 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| ISFSI - DRY CASK LOADING CAMPAIGN | | | | | 1 |
| 2 | 08/29/2011 | 09/30/2011 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| 2/6 EXAM - IP2 INITIAL EXAM | | | | | 4 |
| 2 | 01/09/2012 | 01/13/2012 | U01844 | FY-12-IP2 INITIAL OPERATOR LICENSING EXAM | |
| 2 | 02/06/2012 | 02/10/2012 | U01844 | FY-12-IP2 INITIAL OPERATOR LICENSING EXAM | |
| 71111B - REQUAL INSP P/F RESULTS | | | | | 1 |
| 2 | 10/24/2011 | 10/28/2011 | IP 7111111B | Licensed Operator Requalification Program | |
| 7111117 - PERMANENT PLANT MODIFICATIONS | | | | | 3 |
| 2 | 11/14/2011 | 11/18/2011 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| 2 | 11/28/2011 | 12/02/2011 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| 71124 - HP INSP-ALARA | | | | | 1 |
| 2 | 11/14/2011 | 11/18/2011 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 71124 - HP INSP-RAD WASTE & ISFSI | | | | | 1 |
| 2 | 12/05/2011 | 12/09/2011 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| 2 | 12/05/2011 | 12/09/2011 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| TI251601 - TI2516001 REVIEW LR ACTIVITIES | | | | | 2 |
| 2 | 03/12/2012 | 03/16/2012 | IP 2516/001 | Review of License Renewal Activities | |
| 2 | 03/26/2012 | 03/30/2012 | IP 2516/001 | Review of License Renewal Activities | |
| 71124 - HP-ACCESS CONTROL | | | | | 1 |
| 2 | 03/19/2012 | 03/23/2012 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 2 | 03/19/2012 | 03/23/2012 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 2 | 03/19/2012 | 03/23/2012 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |

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

Indian Point
Inspection / Activity Plan
07/01/2011 - 12/31/2012

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|---|----------------------|
| | Start | End | | | |
| | | | 7111108P - INSERVICE INSPECTION | | 1 |
| 2 | 03/19/2012 | 03/30/2012 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | 71124 - REMP | | 1 |
| 2 | 06/25/2012 | 06/29/2012 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| | | | 7111111B - IP2 REQUAL INSP W/ P/F RESULTS | | 2 |
| 2 | 09/17/2012 | 09/21/2012 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | 7111107T - TRIENNIAL HEAT SINK | | 2 |
| 2 | 07/23/2012 | 07/27/2012 | IP 7111107T | Heat Sink Performance | |
| | | | 71124 - HP-ACCESS CONTROL | | 1 |
| 2 | 09/10/2012 | 09/14/2012 | IP 2515/175 | Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review | |
| 2 | 09/10/2012 | 09/14/2012 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 2 | 09/10/2012 | 09/14/2012 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 2 | 09/10/2012 | 09/14/2012 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 2 | 09/10/2012 | 09/14/2012 | IP 71124.04 | Occupational Dose Assessment | |
| 2 | 09/10/2012 | 09/14/2012 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| | | | EP EX - EP EXERCISE EVALUATION | | 3 |
| 2 | 10/01/2012 | 10/05/2012 | IP 7111401 | Exercise Evaluation | |
| 2 | 10/01/2012 | 10/05/2012 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| | | | 7111121 - CDBI | | 6 |
| 2 | 10/15/2012 | 10/19/2012 | IP 7111121 | Component Design Bases Inspection | |
| 2 | 10/29/2012 | 11/02/2012 | IP 7111121 | Component Design Bases Inspection | |
| 2 | 11/05/2012 | 11/09/2012 | IP 7111121 | Component Design Bases Inspection | |

This report does not include INPO and OUTAGE activities.
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Indian Point 3
Inspection / Activity Plan

07/01/2011 - 12/31/2012

| Unit Number | Planned Dates Start | Planned Dates End | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------------|-------------------|---|---|----------------------|
| | | | 71152 - PI&R | | 4 |
| 3 | 07/18/2011 | 07/22/2011 | IP 71152B | Problem Identification and Resolution | |
| 3 | 08/01/2011 | 08/05/2011 | IP 71152B | Problem Identification and Resolution | |
| | | | 711111B - IP3 REQUAL INSP WITH P/F RESULTS | | 2 |
| 3 | 09/12/2011 | 09/16/2011 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | EP PROGR - EP PROGRAM INSPECTION | | 1 |
| 3 | 08/22/2011 | 08/26/2011 | IP 7111402 | Alert and Notification System Testing | |
| 3 | 08/22/2011 | 08/26/2011 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 3 | 08/22/2011 | 08/26/2011 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| 3 | 08/22/2011 | 08/26/2011 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 3 | 08/22/2011 | 08/26/2011 | IP 71151-EP01 | Drill/Exercise Performance | |
| 3 | 08/22/2011 | 08/26/2011 | IP 71151-EP02 | ERO Drill Participation | |
| 3 | 08/22/2011 | 08/26/2011 | IP 71151-EP03 | Alert & Notification System | |
| | | | 71124 - HP-EFFLUENTS / PI VERIFICATION | | 2 |
| 3 | 08/29/2011 | 09/02/2011 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 3 | 08/29/2011 | 09/02/2011 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 3 | 08/29/2011 | 09/02/2011 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | MODS - PERMANENT PLANT MODIFICATIONS | | 3 |
| 3 | 11/14/2011 | 11/18/2011 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| 3 | 11/28/2011 | 12/02/2011 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| | | | 71124 - HP ALARA | | 1 |
| 3 | 11/14/2011 | 11/18/2011 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| | | | 71124 - HP- RAD WASTE | | 1 |
| 3 | 12/05/2011 | 12/09/2011 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| | | | 71124 - HP-ACCESS CONTROL | | 1 |
| 3 | 03/19/2012 | 03/23/2012 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 3 | 03/19/2012 | 03/23/2012 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 3 | 03/19/2012 | 03/23/2012 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| | | | 71124 - REMP | | 1 |
| 3 | 06/25/2012 | 06/29/2012 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| | | | 7111107T - TRIENNIAL HEAT SINK | | 2 |
| 3 | 07/23/2012 | 07/27/2012 | IP 7111107T | Heat Sink Performance | |
| | | | 71124 - HP-ACCESS CONTROL | | 1 |
| 3 | 09/10/2012 | 09/14/2012 | IP 2515/175 | Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review | |

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

Indian Point 3

Inspection / Activity Plan

07/01/2011 - 12/31/2012

| Unit Number | Planned Dates Start | End | Inspection Activity | Title | No. of Staff on Site |
|-------------|------------------------|------------|---------------------|--|-------------------------|
| | | | 71124 | - HP-ACCESS CONTROL | 1 |
| 3 | 09/10/2012 | 09/14/2012 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 3 | 09/10/2012 | 09/14/2012 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 3 | 09/10/2012 | 09/14/2012 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 3 | 09/10/2012 | 09/14/2012 | IP 71124.04 | Occupational Dose Assessment | |
| 3 | 09/10/2012 | 09/14/2012 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | EP EX | - EP EXERCISE EVALUATION | 3 |
| 3 | 10/01/2012 | 10/05/2012 | IP 7111401 | Exercise Evaluation | |
| 3 | 10/01/2012 | 10/05/2012 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| | | | 7111121 | - CDBI | 2 |
| 3 | 10/15/2012 | 10/19/2012 | IP 7111121 | Component Design Bases Inspection | |
| 3 | 10/29/2012 | 11/02/2012 | IP 7111121 | Component Design Bases Inspection | |
| 3 | 11/05/2012 | 11/09/2012 | IP 7111121 | Component Design Bases Inspection | |

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