



**Entergy Nuclear Northeast**  
Indian Point Energy Center  
295 Broadway, Suite 1  
P.O. Box 249  
Buchanan, NY 10511-0249

Fred Dacimo  
Site Vice President  
Tel 914 734 6700

July 06, 2005

Re: Indian Point Unit 3  
Docket No. 50-286  
NL-05-088

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop O-P1-17  
Washington, DC 20555-0001

Subject: **Inservice Inspection (ISI) Second Period Inspection Results and  
Repair/Replacement Activities for Third 10-Year Inservice Inspection  
Interval**

Dear Sir:

This letter submits the Indian Point Nuclear Generating Unit No. 3 (IP3) Owners Activity Report, IP-RPT-05-00178, Rev. 0 (Enclosure 1) which contains ISI results and repair/replacement activities performed during the 2<sup>nd</sup> Period of the Third 10-Year ISI Interval. All work performed met the requirements of 1989 Edition, No Addenda, of the ASME Section XI Code with approved relief requests.

Entergy will use NRC-approved ASME Section XI Code Case N-532-1 for submitting inspection results completed for IP3. This Code Case was approved for use through Regulatory Guide 1.147, Revision 13. Code Case N-532-1 provides alternatives for the documentation requirements for repair and replacement activities, and allows the use of Form NIS-2A in lieu of Form NIS-2. Enclosure 1 was prepared in accordance with the requirements of Code Case N-532-1 as approved.

There are no new commitments being made in this submittal.

If you have any questions or require additional information, please contact Mr. Patric Conroy, Manager, Licensing at (914) 734-6668.

Sincerely,

For A handwritten signature in black ink, appearing to read "Fred R. Dacimo".

Fred R. Dacimo  
Site Vice President  
Indian Point Energy Center

A047

Enclosure:

1. IP3 Owners Activity Report, IP-RPT-05-00178, Rev. 0
  - Attachment 1 – Abstract of Examinations and Tests
  - Attachment 2 – Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service
  - Attachment 3 – Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service

cc:

Mr. John Boska  
NRR Senior Project Manager

Mr. Samuel J. Collins  
Regional Administrator, Region 1

IPEC NRC Senior Resident Inspector's Office

Paul Eddy  
Public Service Commission

**ENCLOSURE 1 TO NL-05-088**

**IP3 OWNERS ACTIVITY REPORT (OAR), FIRST OUTAGE, SECOND PERIOD,  
THIRD INTERVAL**

**(Report No. IP-RPT-05-00178, Rev. 0)**

- Attachment 1 - Abstract of Examinations and Tests
- Attachment 2 - Items with Flaws or Relevant Conditions that Required  
Evaluation for Continued Service
- Attachment 3 - Abstract of Repairs, Replacements or Corrective Measures  
Required for Continued Service

**ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 3  
DOCKET NO. 50-286**



**Indian Point 3**

**ENTERGY NUCLEAR NORTHEAST**

**Engineering Report Title:**

**IP3 ISI Owners Activity Report (OAR)  
Second Period, Third Interval**

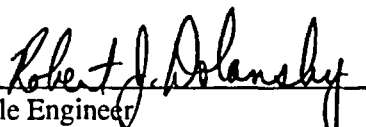
**Engineering Report Type:**


New ☒ Revision ☐ Cancelled ☐ Superseded ☐

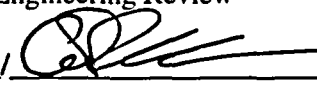
**Applicable Site(s)**

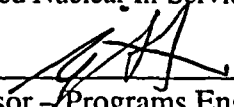
IP1 ☐ IP2 ☐ IP3 ☒ JAF ☐ PNPS ☐ VY ☐

**Quality-Related:** ☒ Yes ☐ No

Prepared by: Robert Dolansky /  Date: 6/20/05  
Responsible Engineer

Reviewed by: Edwin Rodriguez /  Date: 6/22/05  
Programs Engineering Review

\*Reviewed by: Allan Schiaffino /  H&CT Date: 6/22/05  
Authorized Nuclear In-Service Inspector (ANII)

Approved by: Glen Smith /  Date: 6/22/05  
Supervisor - Programs Engineering

**Multiple Site Review**

Site	Design Verifier/Reviewer	Supervisor	Date

\* For ASME Section XI Code Program plans per ENN-DC-120, if required.

# FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number IP-RPT-05-00178Rev.0

Owner Entergy Nuclear Operations, Inc., 295 Broadway, Suite 1, Buchanan, New York 10511-0249  
(Name and Address of Owner)

Plant Indian Point Energy Center, Buchanan, New York 10511-0249  
(Name and Address of Plant)

Plant Unit 3 Commercial Service Date 08/30/1976 Refueling Outage Number 13

Current Inspection Interval 3<sup>rd</sup>  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period 2nd  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1989 Edition, No Addenda  
Date and Revision of Inspection Plan: ISI Program Plan, Rev. 2 No. IP3-RPT-UNSPEC-03247

Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan N/A

## CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owners Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A  
(If applicable)

Signed [Signature] Date 6/20/05  
Owner or Owner's designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by HSB-CT of Hartford, Connecticut have inspected the components described in this Owners Report during the period April 2003 to April 2005, and state that to the best of my knowledge and belief, the Owner has performed all the activities described in the Repair/Replacement Plan in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the activities described in the Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

[Signature] HSBCT Commissions NY 5 1084 I, N  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/22/05

**Table 1**

**ABSTRACT OF EXAMINATIONS AND TESTS**

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
CLASS 1					
B-A	28	6	21%	25%	All 6 Meriodonal Welds examined to the extent possible. Reactor Vessel head to flange weld examination limited to the volume with a previously identified indication. Reactor Vessel Closure Head (Dollar Plate) weld inaccessible. RR 3-19 defers the RV Shell to Flange Weld to the 3rd period.
B-B	5	2	40%	60%	
B-D	30	6	20%	33%	Code Case N-521 allows deferral of B3.90 and B3.100. RR 3-18 allows deferral of B3.120
B-E	113	0	0%	0%	Deferral permissible per Table IWB-2500-1.
B-F	0	0	0%	0%	Components within this category are part of an Augmented Risk-Informed Inspection Program per RR 3-28. Extent and Frequency is in accordance with this Program. See new exam category R-A below.
B-G-1	265	86	33%	62%	
B-G-2	15	6	40%	67%	Total in Total Examinations Required column is based on 1 Pressurizer manway, 2 manways for 1 S/G, 2 flanges for piping, 1RCP flange, 4 valves and 5 CRD housings (examined only when disassembled). Credit only taken for 3 CRD housings.
B-H	0	0	0%	0%	Not Applicable to IP3
B-J	0	0	0%	0%	Components within this category are part of an Augmented Risk-Informed Inspection Program per RR 3-28. Extent and Frequency is in accordance with this Program. See new exam category R-A below.

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for This Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For This Period	Total Examinations Credited (%) To Date for This Interval	Remarks
B-K	3	1	33%	66%	Examinations conducted in accordance with Code Case N-509 "Alternate Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments, Section XI Division 1".
B-L-1	3	0	0%	0%	Deferral Permissible. Exams are limited to at least one pump in each group of pumps performing similar functions in the system per Code Case N-481.
B-L-2	1	0	0%	100%	Exam required only when a pump is disassembled for maintenance, repair, or volumetric exam. Exams are limited to at least one pump in each group of pumps performing similar functions in the system per Code Case N-481. Pump disassembled and inspected in 1st period.
B-M-1	0	0	0%	0%	Not applicable to IP3 (Valves do not have valve body welds)
B-M-2	5	1	20%	40%	Exam required only when a valve is disassembled for maintenance, repair, or volumetric exam.
B-N-1	3	1	33%	66%	Inspections performed each period
B-N-2	1	0	0%	0%	Deferred to end of interval as allowed by Table IWB-2500-1
B-N-3	1	0	0%	0%	Deferred to end of interval as allowed by Table IWB-2500-1
B-O	4	0	0%	0%	Deferred to end of interval as allowed by Table IWB-2500-1
B-P	36	6	17%	50%	Code Case N-498-1 applied where applicable.
<b>RISK-INFORMED</b>					
R-A	64	23	36%	64%	Risk Informed selection contains 64 items from Categories B-F & B-J. Risk Informed inspections per relief request 3-28.



TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
<b>CLASS 2</b>					
C-A	8	2	25%	50%	
Aug (C-A)	4	0	0%	0%	Augmented inspection of Non-Regenerative Heat Exchanger
C-B	11	2	18%	46%	
C-C	16	7	44%	63%	
C-F-1	60	16	27%	57%	
Aug (C-F-1)	6	3	50%	50%	Augmented inspection of Containment Spray piping.
C-F-2	19	6	32%	62%	
C-H	16	4	25%	50%	Pressure test for each period of interval.
<b>CLASS 3</b>					
D-A	20	6	30%	55%	Code Case N-509 applies.
D-A	12	3	25%	50%	Pressure tests
<b>IWF Component Supports</b>					
Class 1(F1.10)	31	10	32%	65%	Exams performed in accordance with Code Case N-491-2
Class 2(F1.20)	52	20	39%	67%	Exams performed in accordance with Code Case N-491-2
Class 3(F1.30)	69	25	36%	67%	Exams performed in accordance with Code Case N-491-2
Supports other than Piping Supports (F1.40)	17	7	41%	65%	Exams performed in accordance with Code Case N-491-2
Aug	1	0	0%	0%	Non-Regenerative Heat Exchanger
F-A	178	62	35%	63%	Totals

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for This Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For This Period	Total Examinations Credited (%) To Date for This Interval	Remarks
IWE/IWL First Outage - Second Period - First Interval					
E-A	100% Per Period	100	100%	100%	General Visual examinations.
L-A	N/A	100%	100%	100%	General Visual examinations.

**Attachment 2**  
**Page 8 of 14**

**Table 2**

**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT  
REQUIRED EVALUATION FOR CONTINUED SERVICE**

**IP3 ISI Owners Activity Report (OAR)  
Second Period, Third Interval**

TABLE 2				
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE				
Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
B-A	B1.40	Reactor Vessel Head to Flange Weld (volume with previously identified flaw)	CR-IP3-2005-1503 - Previously identified flaw (first found in 3R12) re-examined and unchanged.	Yes
B-K	B10.20	Integrally Welded Support / RC-H-344-1	CR-IP3-2005-1345 - A .2" rounded indication was found on the integral attachment weld between the pipe and the support. The indication was accepted as is.	Yes
F-A	F1.40	31 Fan Cooler Unit Support	CR-IP3-2005-1305 - Heavy rust was found on the bolting on the flanges on the side of the FCU. Engineering evaluated the condition and the indication was accepted as is.	Yes
F-A	F1.30	Multi Directional Restraint / SW-H-89	CR-IP3-2005-1580 - Heavy corrosion was found on the pipe and on the top section of the pipe support. Engineering physically examined the support and determined that the corrosion was mild surface rust which brushed off by hand. The indication was accepted as is.	Yes
F-A	F1.20	Multi Directional Restraint / SI-R-56-1A-G	CR-IP3-2005-0597 - A 1/32" gap was noted under the sliding support plates of the pipe support but the design drawings does not show a gap. Design Engineering determined that the support was operable.	Yes
F-A	F1.20	Multi Directional Restraint / SI-R-56-1G	CR-IP3-2005-0598 - A 3/8" gap was noted between the vertical angle iron and the pipe flange of the pipe support but the design drawings shows a 1/32" gap. Design Engineering determined that the support was operable.	Yes
F-A	F1.40	31 Component Cooling Water Heat Exchanger Support	CR-IP3-2005-0403 - A grout void was noted beneath the heat exchanger base support. Design Engineering determined that the support was operable.	Yes
F-A	F1.30	Multi Directional Restraint / SWN-H&R-525	CR-IP3-2005-0402 - A 1/4" gap was noted between the south side of the anchor plate and the wall. Design Engineering determined that the support was operable.	Yes
F-A	F1.30	Multi Directional Restraint / AC-H&R-476A	CR-IP3-2005-0256 - There was no clearance between the pipe and u-bolt as called for on the support detail drawing. Design Engineering determined that the support was operable.	Yes
E-A	N/A	Containment liner	CR-IP3-2005-1587 - Several areas were noted to have minor findings such as general paint chipping, scratches, fading paint, flaking paint, minor blistering, and checking.	Yes

## **Attachment 3**

**Page 10 of 14**

### **Table 3**

#### **Form NIS-2A**

#### **ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE**

**IP3 ISI Owners Activity Report (OAR)  
Second Period, Third Interval**

## FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

### OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Repair / Replacement represented by Repair/Replacement repair or replacement

Plan Number See Attached Table 3 conforms to the requirements of Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed Don M. O'Leary Date 6/20/05  
Owner or Owner's designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by HSB-CT of Hartford, Connecticut have inspected the components described in Repair / Replacement Plan number See Table 3 during the period April 2003 to April 2005, and state that to the best of my knowledge and belief, the Owner has performed all the activities described in the Repair/Replacement Plan in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the activities described in the Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

[Signature] Commissions NYS 1084 I.N.  
Inspector's Signature HSBCT National Board, State, Province, and Endorsements

Date 6/22/05

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

R/R Item No.	CODE Quality Group / Class	Repair / Replacement or Corrective Measure	Item Description and Description of Work	CC N-416 Yes/No	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Date Completed	Work Order Number
950	3	Replacement	SWN-TCV-1313 / Replace valve	No	No	12/16/2004	IP3-02-21110
953	3	Replacement	SWN-55 / Replace piping	Yes	No	3/28/2005	IP3-04-09235
954	3	Replacement	SWN-TCV-1310 / Replace valve	No	No	8/27/2004	IP3-04-10574
956	3	Replacement	SWN-TCV-1311 / Replace Valve	No	No	12/8/2004	IP3-04-10575
959	3	Replacement	SWN-63-1 / Replace Valve	No	No	3/27/2005	IP3-04-14371
968	3	Replacement	AC-792 / Replace Valve	No	No	3/19/2005	IP3-04-15810
969	1	Replacement	RC-PCV-468 / Replace Valve	No	No	4/2/2005	IP3-03-25332
970	1	Replacement	RC-PCV-464 / Replace Valve	No	No	4/2/2005	IP3-03-25330
971	1	Replacement	RC-PCV-466 / Replace Valve	No	No	4/2/2005	IP3-03-25331
981	1	Replacement	Fuel Transfer Tube / Replace flange bolting	No	No	4/2/2005	IP3-04-15168
984	3	Replacement	SWN-100-3 / Replace bolting	No	No	3/23/2005	IP3-04-12522
986	1	Replacement	RC-PCV-455A / Replace bonnet bolting	No	No	3/29/2005	IP3-05-10853
05-3-01	2	Replacement	FEX-999 / Replace orifice plate per plant mod	No	No	3/28/2005	IP3-04-18492
05-3-02	2	Repair	Modified Safety Injection pipe supports per plant mod	No	No	3/26/2005	IP3-04-18639
05-3-03	2	Replacement	Added Safety Injection valves per plant mod	Yes	No	3/28/2005	IP3-04-12669
							Page 12 of 14

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

R/R Item No.	CODE Quality Group / Class	Repair / Replacement or Corrective Measure	Item Description and Description of Work	CC N-416 Yes/No	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Date Completed	Work Order Number
05-3-04	2	Replacement	SI-1843 / Replace valve	Yes	No	3/20/2005	IP3-03-03018
05-3-05	1	Replacement	Replace all 5 upper conoseal assemblies per plant mod	No	No	4/1/2005	IP3-04-13624
05-3-06	3	Replacement	CD-123 / Replace valve	No	No	3/28/2005	IP3-02-22527
05-3-07	3	Repair	Repair weld (PAB-106) on 10" SW line 408	Yes	No	3/21/2005	IP3-05-13593
05-3-08	3	Repair	Repair weld (PAB-90) on 18" SW line 408	Yes	No	3/26/2005	IP3-05-14121
05-3-09	3	Repair	Repair weld (PAB-62) on 18" SW Line 411	Yes	No	3/27/2005	IP3-05-13772
05-3-10	3	Replacement	SWN-100-1 / Replace bolting	No	No	3/24/2005	IP3-05-14341
05-3-11	3	Repair	Repair weld (VC-34-10) on 10" SW Line 12c branch pipe	Yes	No	3/30/2005	IP3-04-12326
05-3-12	2	Replacement	MS-A-1022-1-F / Replace anchor bolt	No	Yes	3/28/2005	IP3-05-14372
05-3-15	2	Replacement	BD-H&R-48-51-G / Relocated support	No	No	4/2/2005	IP3-05-14722
05-3-16	1	Replacement	Replace welds 15 and 16 on CVCS Line 64	Yes	Yes	3/30/2005	IP3-05-15639
05-3-18	3	Repair	Repair weld (PAB-110) on 10" SW Line 12c	Yes	No	4/2/2005	IP3-05-16408
05-3-19	3	Repair	Repair 1.5" weld to 33 RCP on CCW Line 13	Yes	No	4/5/2005	IP3-05-16887
N/A	1	Corrective	Tighten nut on 31 Steam Generator hot leg manway (CR-IP3-2005-1308)	No	Yes	4/1/2005	IP3-05-14850
N/A	1	Corrective	Tighten nut on support SI-H&R-16-24 (CR-IP3-2005-1493)	No	Yes	3/30/2005	IP3-05-15472
N/A	2	Corrective	Tighten nuts on support MS-A-1022-1 (CR-IP3-2005-1128)	No	Yes	3/28/2005	IP3-05-14372



TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

R/R Item No.	CODE Quality Group / Class	Repair / Replacement or Corrective Measure	Item Description and Description of Work	CC N-416 Yes/No	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Date Completed	Work Order Number
N/A	2	Corrective	Tighten nut on support SI-R-361-1B (CR-IP3-2005-1304)	No	Yes	3/30/2005	IP3-05-14847
N/A	2	Corrective	Tighten nut on support RC-R-56A-7-G (CR-IP3-2005-1306)	No	Yes	3/30/2005	IP3-05-14849
N/A	3	Corrective	Tighten nuts on support M/S-12A-6-SW-R-12C (CR-IP3-2005-1452)	No	Yes	3/30/2005	IP3-05-15372

Page 14 of 14