Entergy

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Pilgrim Nuclear Power Station
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July 29, 2005

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
Docket 50-293
License No. DPR-35

Pilgrim Refueling Outage (RFO) - 14 Inservice Inspection (ISI) Summary Report

REFERENCE 1. Entergy Letter No. 2.05.018, Pilgrim Station 2005 On-Line and Refueling Outage (RFO) - 15 Inservice Inspection (ISI) Plan, dated March 7, 2005

LETTER NUMBER: 2.05.062

Dear Sir or Madam:

The enclosed report provides a tabulation of all inservice examinations and code repairs/replacements performed at Pilgrim Station from the end of RFO-14 through RFO-15. The scope of RFO-15 inservice inspection was described in Reference 1. Copies of examination vendor reports and data sheets are retained at Pilgrim Station for NRC review, if required.

This submittal fulfills the requirements of ASME Section XI, 1989 Edition, Paragraph IWA-6230. There are no commitments contained in this letter.

If you have any questions regarding the information contained in this letter, please contact me at (508) 830-8403.

Sincerely,

Bryan S. Ford
Manager, Licensing

Enclosure: Inservice Inspection Summary Report for Refuel Outage 15 at Pilgrim Nuclear Power Station, dated April 2005 (32 pages)

A047

205062

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Entergy

RFO15

INSERVICE INSPECTION SUMMARY REPORT FOR REFUEL OUTAGE 15 AT PILGRIM NUCLEAR POWER STATION

APRIL 2005

Prepared by _____ Date 7/28/05

Approved by _____ Date 7/28/05

ANII Review: _____ 7/28/05

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2.0 NIS-1 and NIS-2 Code Report Forms for ASME XI Repairs and Replacements

2.1 RFO15 NIS-1 Form
2.2 RFO15 NIS-2 Forms

3.0 Referenced ISI Vendor and Data Reports (on file at Pilgrim)

3.1	Washington Group International Final Report of Inservice Examinations at Pilgrim Station prior to and during Refueling Outage 15 (2 volumes)
3.2	General Electric ISI Final Report for PNPS RFO15 Nozzle and RPV Head Examinations (2 volumes)
3.3	Framatome and IHI Southwest Corp. Final Report of Reactor Pressure Vessel Shell Weld Examinations at Pilgrim Station during Refueling Outage 15 (1 volume)
3.4	General Electric Corp. Final Report of Invessel Examinations at Pilgrim Station during Refueling Outage 15 (1 volume)
3.5	RFO15 Miscellaneous ISI Data Reports by Entergy (1 volume)
3.6	General Electric Equipment Certifications for PNPS RFO15 ISI Nozzle and RPV Head Examinations (1 volume)

1.0 EXECUTIVE SUMMARY

This report documents the inservice inspection (ISI), preservice inspection (PSI) and augmented examinations performed at Pilgrim Nuclear Power Station (PNPS) for the period from the end of Refueling Outage 14 to the end of Refueling Outage 15. The examinations performed for all ASME Section XI code categories are included in the third period of the Third Ten Year Inspection Interval of the PNPS ISI Program. RFO#15 is the final refueling outage in Pilgrim Station's third inspection interval.

Pilgrim has inspected Class 1 category B-J and B-F welds since 2001 (RFO13) using a partial-scope Risk-Informed ISI Program in accordance with NRC Safety Evaluation Report (TAC No. MB0841) as detailed in NRC letter to Entergy 1.1.01.046. Pilgrim also employs BWRVIP-75 scheduling guidelines for Category C, D and E austenitic stainless steel piping welds in accordance with the NRC Safety Evaluation Report (TAC No. MA5012) dated September 15, 2000 as an alternative to Generic Letter 88-01 inspection schedules.

Types of examinations performed:

- ASME XI inservice and preservice visual, surface and volumetric examinations of piping, bolting, valves and supports.
- ASME XI subsection IWE visual and ultrasonic examinations of containment per PNPS procedure NE 15.14.
- Augmented manual ultrasonic (UT) examinations for intergranular stress corrosion cracking (IGSCC) per Generic Letter 88-01 as modified by BWRVIP-75.
- Augmented UT examinations of high energy piping for flow-assisted corrosion (FAC) per Generic Letter 89-08 and Specification M-577.
- Visual examination of invessel Core Spray piping and spargers, jet pumps, shroud, shroud supports, steam dryer, guide rods, surveillance specimen holders and vessel interior surfaces in accordance with BWRVIP guidelines.
- System pressure tests for ISI Class 1, 2 and 3 components for the third period of the Third Ten Year Interval ISI Program.

Examination Details

Piping, bolting and valve examinations were conducted in accordance with ASME Section XI 1989 edition, Code Case N-491 for supports and Entergy letter to NRC 1.2.05.018 which provided the scope of the on-line and RFO#15 outage examinations. Containment examinations were performed in accordance with ASME XI 1992 edition with 1992 Addenda subsection IWE as modified by the Code of Federal Regulations. Washington Group International (WGI) Corp. was the vendor for a portion of the online scope and all non-vessel manual ISI examinations performed during the refueling outage. Framatome Corp. performed all Reactor Pressure Vessel vertical shell weld ultrasonic examinations during RFO15. General Electric Corp. performed all nozzle (automated and manual ultrasonic) and RPV head weld ultrasonic and invessel visual (IVVI) examinations during the outage. Entergy Quality Assurance personnel performed the balance of on-line examinations prior to RFO#15.

Regarding Entergy letter 1.2.05.018, "Pilgrim Station 2005 On-Line and RFO15 Inservice Inspection (ISI) Plan":

All scheduled code examinations described in the ISI plan letter were completed.

The remaining four RPV vertical shell welds were examined during RFO15 using the Framatome/IHI AIRIS remote scanning tool to the maximum extent possible given the access restrictions caused by the presence of the shroud repair tie-rods.

A total of 34 ultrasonic examinations for the detection of flow-assisted corrosion on carbon steel piping were performed in accordance with Generic Letter 89-08.

Various system pressure tests for ISI Class 1, 2 and 3 piping were conducted for the third period of the Third Interval ISI Program.

A total of 35 Condition Reports were issued which are tabulated in Table 7. Some of the findings are detailed below:

- A fabrication-related indication of rejectable size was detected in RFO15 during automatic UT examination of the N2F safe end dissimilar metal weld (CR-PNP-2005-1916). The indication was determined to be lack of fusion created by the welding process during installation in 1984. The indication was located mid-wall and was not connected to the pipe inside surface.
- Two RPV head welds were found in RFO15 to contain UT indications of rejectable size (CR-PNP-2005-1870 & 1871). These indications were non-ID connected, fabrication-related 'Upjohn'-type indications caused by the vertical progression welding process used during construction.

- A rejectable UT indication was detected in SBLC socket weld B-11-79 in RFO15 as part of the risk-informed ISI Program at PNPS (CR-PNP-2005-1639). An excavation of the weld revealed the source of the UT indication to be lack of fusion between weld passes during installation. The weld was subsequently replaced.
- A number of RPV safe end welds in RFO15 were found to have wall thickness in some areas less than the screening criteria provided by Engineering (CR-PNP-2005-1657, 1770, 1830 & 1893). Upon evaluation, it was determined that none of the areas had wall thickness values that were less than design minimums.
- A number of Recirculation system N1 and N2 nozzle-to-safe end dissimilar metal welds (CR-PNP-2005-1827 & 1895) had existing surface profile conditions that prevented automated UT scanning equipment from obtaining the PDI-required UT coverage of >90% in the circumferential scan direction (for axial indications). In areas where grinding could improve UT coverage, the adverse weld profile conditions were reduced to the maximum extent possible without approaching design minimum wall thickness values in order to maximize UT coverage.
- The capped CRD return N10 nozzle-to-safe end weld 3-I-1 was overlaid with Inconel 52 after leakage was discovered mid-cycle in October 2003 (CR-PNP-2003-3719). The leak occurred at the location of a previous weld repair made during installation of the Inconel nozzle cap in 1977. The weld overlay received all code-required preservice NDE examinations and was pressure tested prior to returning to service.

In-Vessel Examinations (by General Electric)

All code in-vessel visual examinations stated in Entergy Letter to NRC #ELNRC 1.2.05.018 were completed during RFO15. The report of all in-vessel inspection activities performed at Pilgrim Station during RFO15 has been provided to EPRI for inclusion in the BWRVIP database.

Containment Examinations (IWE)

Augmented and program examinations were performed for the containment IWE examination program in accordance with PNPS procedure NE 15.14 and ASME XI 1992 edition with 1992 Addenda as modified by the Code of Federal Regulations.

1.1 TABLES

Table 1

ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO15

by Entergy and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
14-P215A-HL	PUMP INTEGRAL ATTMT	C-C	CS	ISI-P215A	MT
GB-14-22HL1(4)	SUPPORT LUGS	C-C	CS	ISI-I-14-2B	VT-1 ALTERNATE
GB-14-28HL2(4)	SUPPORT LUGS	C-C	CS	ISI-I-14-2A	MT
DB-23-51HL1(4)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-5	MT
HL-23-69HL1(24)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-3	MT
10-P203A-HL	PUMP INTEGRAL ATTMT	C-C	RHR	ISI-P203A	MT
HB-10-83PS	PIPE STANCHION	C-C	RHR	ISI-I-10-1B	MT
HL-10-79PS	PIPE STANCHION	C-C	RHR	ISI-I-10-5BSH1	MT
GB-14-3-4D	PIPE TO WELDOLET	C-F-2	CS	ISI-I-14-2B	MT
HD-14-F91	TEE TO REDUCER	C-F-2	CS	ISI-I-14-2A	MT UT
HL-23-4-1B	ELBOW TO REDUCER	C-F-2	HPCI	ISI-I-23-3	MT UT
HE-26-F170	PIPE TO ELBOW	C-F-2	RCIC	ISI-I-13-5	MT UT
HE-26-F238	VALVE TO PIPE	C-F-2	RCIC	ISI-I-13-5	MT UT
GB-10-10-2C	TEE TO REDUCING ELBOW	C-F-2	RHR	ISI-I-10-5BSH2	MT UT
GB-10-F179	VALVE TO PIPE	C-F-2	RHR	ISI-I-10-4BSH1	MT UT
GB-10-F239	ELBOW TO PIPE	C-F-2	RHR	ISI-I-10-4BSH2	MT UT
GB-10-F28	REDUCING ELBOW TO ELBOW	C-F-2	RHR	ISI-I-10-5BSH2	MT UT
GB-10-F45	PIPE TO ELBOW	C-F-2	RHR	ISI-I-10-4BSH2	MT UT
GB-10-F52A	PIPE TO ELBOW	C-F-2	RHR	ISI-I-10-4BSH1	MT UT
GB-10-F70	ELBOW TO TEE	C-F-2	RHR	ISI-I-10-4BSH1	MT UT
HB-10-3003-2-2	PIPE TO ELBOW	C-F-2	RHR	ISI-I-10-1C	MT UT
HB-10-F79	VALVE TO ELBOW	C-F-2	RHR	ISI-I-10-1C	MT UT
HL-10-F107	ELBOW TO PIPE	C-F-2	RHR	ISI-I-10-4ASH1	MT UT
HL-10-F200R	VALVE TO PIPE	C-F-2	RHR	ISI-I-10-4ASH1	MT UT
HL-10-F73	PIPE TO NOZZLE	C-F-2	RHR	ISI-I-10-5BSH1	MT UT
HL-10-F76	ELBOW TO NOZZLE	C-F-2	RHR	ISI-I-10-5BSH1	MT UT
GB-14-VBW36A-1	VALVE BODY WELD	C-G	CS	ISI-I-14-2A	MT
GB-14-VBW36A-2	VALVE BODY WELD	C-G	CS	ISI-I-14-2A	MT
GB-10-VBW67A-1	VALVE BODY WELD	C-G	RHR	ISI-I-10-3A	MT
GB-10-VBW67A-2	VALVE BODY WELD	C-G	RHR	ISI-I-10-3A	MT
GL-10-VBW23A-1	VALVE BODY WELD	C-G	RHR	ISI-I-10-4ASH2	MT
GL-10-VBW23A-2	VALVE BODY WELD	C-G	RHR	ISI-I-10-4ASH2	MT
19-E206A-HL	HX INTEGRAL ATTMT	D-B	RBCCW	ISI-E206A	VT-3
HE-30-29PS	STANCHION	D-B	RBCCW	ISI-I-30-2SH2	VT-3
HE-30-31HL	HANGER LUG	D-B	RBCCW	ISI-I-30-2SH2	VT-3
HE-30-438PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3
HE-30-439PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3
HE-30-43HL(4)	HANGER LUGS	D-B	RBCCW	ISI-I-30-1SH2	VT-3
HE-30-57HL	HANGER LUG	D-B	RBCCW	ISI-I-30-1SH1	VT-3
HE-30-61HL	HANGER LUG	D-B	RBCCW	ISI-I-30-1SH1	VT-3
HE-30-61PS	STANCHION	D-B	RBCCW	ISI-I-30-2SH1	VT-3
HE-30-63HL	HANGER LUG	D-B	RBCCW	ISI-I-30-2SH1	VT-3

Table 1

ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO15

by Entergy and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
HE-30-64HL	HANGER LUG	D-B	RBCCW	ISI-I-30-2SH1	VT-3
H-50-1-TORUSBAY1	TORUS SUPPORTS	F-A	CONT	C1A175SH1 & C1A-62-4	VT-3 IWE
H-3-1-17	RIGID SUPPORT	F-A	CRD	ISI-I-3-1	VT-3
H-14-1-33	RIGID HANGER	F-A	CS	ISI-I-14-2B	VT-3
H-23-1-11	SPRING HANGER	F-A	HPCI	ISI-I-23-2	VT-3
H-23-1-3	RIGID HANGER	F-A	HPCI	ISI-I-23-5	VT-3
H-23-1-8	SPRING HANGER	F-A	HPCI	ISI-I-23-2	VT-3
H-23-1-P205	PUMP SUPPORT	F-A	HPCI	ISI-I-23-4	VT-3
H-19-1-E206A	HT EX SUPPORT	F-A	RBCCW	ISI-E206A	VT-3
H-30-1-119	RIGID HANGER	F-A	RBCCW	ISI-I-30-1SH1	VT-3
H-30-1-E122A	HT EX SUPPORT	F-A	RBCCW	ISI-E122A	VT-3
H-30-1-E209A	HT EX SUPPORT	F-A	RBCCW	ISI-E209A	VT-3
H-30-1-P202A	PUMP SUPPORT	F-A	RBCCW	ISI-P202A	VT-3
H-10-1-12	SPRING HANGER	F-A	RHR	ISI-I-10-5BSH2	VT-3
H-10-1-120	SPRING HANGER	F-A	RHR	ISI-I-10-1B	VT-3
H-10-1-155	SPRING HANGER	F-A	RHR	ISI-I-10-4ASH1	VT-3
H-10-1-164	RIGID HANGER	F-A	RHR	ISI-I-10-4BSH2	VT-3
H-10-1-280	LATERAL RESTRAINT	F-A	RHR	ISI-I-10-4ASH1	VT-3
H-10-1-55	RIGID SUPPORT	F-A	RHR	ISI-I-10-2B	VT-3
H-10-1-92S	SPRING HANGER	F-A	RHR	ISI-I-10-3B	VT-3
H-10-1-SG17	LATERAL RESTRAINT	F-A	RHR	ISI-I-10-2B	VT-3
H-10-1-SG18	RESTRAINT	F-A	RHR	ISI-I-10-2A	VT-3
H-10-1-SG19	RESTRAINT	F-A	RHR	ISI-I-10-1B	VT-3
H-10-1-SG22	LATERAL RESTRAINT	F-A	RHR	ISI-I-10-3A	VT-3
H-29-1-25	RIGID HANGER	F-A	SSW	ISI-I-29-1SH2	VT-3

Table 2

ISI EXAMINATIONS PERFORMED DURING RFO15

by Entergy, General Electric and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
RPV-BH-C1	HEAD CIRCUMF WELD	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M1	MERID HEAD WELD 40	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M10	MERID HEAD WELD 65	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M11	MERID HEAD WELD 125	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M12	MERID HEAD WELD 185	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M13	MERID HEAD WELD 245	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M14	MERID HEAD WELD 305	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M2	MERID HEAD WELD 85	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M3	MERID HEAD WELD 130	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M4	MERID HEAD WELD 175	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M5	MERID HEAD WELD 220	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M6	MERID HEAD WELD 265	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M7	MERID HEAD WELD 310	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M8	MERID HEAD WELD 355	B-A	RPV	ISI-I-54-3	UT
RPV-BH-M9	MERID HEAD WELD 5	B-A	RPV	ISI-I-54-3	UT
RPV-HF-240-360	HEAD TO FLANGE	B-A	RPV	ISI-I-54-2	MT UT
RPV-L-1-338A	LOWER INTERMEDIATE SHELL VERTICAL WELD	B-A	RPV	ISI-I-54-1	UT
RPV-L-1-338C	LOWER INTERMEDIATE SHELL VERTICAL WELD	B-A	RPV	ISI-I-54-1	UT
RPV-L-2-338A	LOWER SHELL VERTICAL WELD	B-A	RPV	ISI-I-54-1	UT
RPV-L-2-338C	LOWER SHELL VERTICAL WELD	B-A	RPV	ISI-I-54-1	UT
RPV-TH-C	HEAD CIRCUMF WELD	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M4	MERID HEAD WELD 135	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M5	MERID HEAD WELD 180	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M6	MERID HEAD WELD 225	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M7	MERID HEAD WELD 270	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M8	MERID HEAD WELD 315	B-A	RPV	ISI-I-54-2	UT
RPV-N1B-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N1B-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N2G-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N2G-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N2H-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N2H-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N2K-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N2K-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N7A-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-2	UT
RPV-N7A-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-2	UT
RPV-N7B-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-2	UT
RPV-N7B-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-2	UT
RPV-N8-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-2	UT
RPV-N8-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-2	UT
RPV-N11-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-12-1SH1	VT-2
RPV-N14-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-11-1	EVT-2
RPV-N15A-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-54-1	EVT-2
RPV-N15B-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-54-1	EVT-2
RPV-N16A-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-54-1	EVT-2

Table 2

ISI EXAMINATIONS PERFORMED DURING RFO15

by Entergy, General Electric and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
RPV-N16B-NV	PART PENET NOZZLE	B-E	RPV	ISI-I-54-1	EVT-2
14-A-10A	VALVE TO PIPE	B-F	CS	ISI-I-14-1	UT
14-A-3	PIPE TO REDUCER	B-F	CS	ISI-I-14-1	AUTO UT
14-B-10A	VALVE TO PIPE	B-F	CS	ISI-I-14-1	UT
14-B-3	PIPE TO REDUCER	B-F	CS	ISI-I-14-1	AUTO UT
14-A-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-14-1	AUTO UT
14-B-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-14-1	AUTO UT
2R-N1B-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-2R-A	AUTO UT
2R-N2D-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-A	AUTO UT
2R-N2E-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-A	AUTO UT
2R-N2F-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-B	AUTO UT
2R-N2G-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-B	AUTO UT
2R-N2J-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-B	AUTO UT
RPV-N16B-R-2	SAFE END TO REDUCER	B-F	RPV	ISI-I-54-4	UT
RPV-N14-1	SAFE END TO NOZZLE	B-F	SBLC	ISI-I-11-1	PT
RPV-CB-37-56	CLOSURE BUSHINGS	B-G-1	RPV	ISI-I-54-2	VT-1
RPV-CHN-37-56	CLOSURE HEAD NUTS	B-G-1	RPV	ISI-I-54-2	VT-1
RPV-CS-37-56	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
RPV-CW-37-56	CLOSURE WASHERS	B-G-1	RPV	ISI-I-54-2	VT-1
RPV-FT-37-56	THREADS IN FLANGE	B-G-1	RPV	ISI-I-54-2	UT
RPV-HB-41	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
RPV-HB-42	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
RPV-HB-43	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
RPV-HB-44	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
14-VB-1400-6A	VALVE BOLTING	B-G-2	CS	ISI-I-14-1	VT-1
14-VB-1400-9A	VALVE BOLTING	B-G-2	CS	ISI-I-14-1	VT-1
6-VB-62A	VALVE BOLTING	B-G-2	FW	ISI-I-6-1	VT-1
6-VB-62B	VALVE BOLTING	B-G-2	FW	ISI-I-6-1	VT-1
2-VB-202-5B	VALVE BOLTING	B-G-2	RECIRC	ISI-I-2R-B	VT-1
2-VB-63A	VALVE BOLTING	B-G-2	RECIRC	ISI-I-2R-A	VT-1
2-VB-64A	VALVE BOLTING	B-G-2	RECIRC	ISI-I-2R-A	VT-1
2-VB-64B	VALVE BOLTING	B-G-2	RECIRC	ISI-I-2R-B	VT-1
12-VB-1201-39	VALVE BOLTING	B-G-2	RWCU	ISI-I-12-1SH2	VT-1
12-VB-1201-65	VALVE BOLTING	B-G-2	RWCU	ISI-I-12-1SH2	VT-1
12-VB-1201-82	VALVE BOLTING	B-G-2	RWCU	ISI-I-12-2	VT-1
14-A-10	PIPE TO ELBOW	B-J	CS	ISI-I-14-1	UT
14-A-19	VALVE TO PIPE	B-J	CS	ISI-I-14-1	UT
14-A-9A	ELBOW TO PIPE	B-J	CS	ISI-I-14-1	UT
14R-A-11	PIPE TO VALVE	B-J	CS	ISI-I-14-1	UT
14R-B-21A	PIPE TO PIPE	B-J	CS	ISI-I-14-1	UT
6-N4A-12	REDUCER TO PIPE	B-J	FW	ISI-I-6-1	UT
6-N4A-13	TEE TO REDUCER	B-J	FW	ISI-I-6-1	UT
6-N4B-11	TEE TO ELBOW	B-J	FW	ISI-I-6-1	UT
1-C-15	FLUED HEAD TO PIPE	B-J	MS	ISI-I-1-1SH2	UT
1-D-15	FLUED HEAD TO PIPE	B-J	MS	ISI-I-1-1SH2	UT

Table 2

ISI EXAMINATIONS PERFORMED DURING RFO15

by Entergy, General Electric and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
1-SD-10R	PIPE TO VALVE	B-J	MS	ISI-I-1-1SH2	UT
2R-N2K-2	PIPE TO SAFE END	B-J	RECIRC	ISI-I-2R-B	UT
10-IA-14	PIPE TO FLUED HEAD	B-J	RHR	ISI-I-10-1	UT
10-IA-15	VALVE TO PIPE	B-J	RHR	ISI-I-10-1	UT
10R-IA-12	PENETRATION TO ELBOW	B-J	RHR	ISI-I-10-1	UT
12R-O-23	ELBOW TO PENETRATION	B-J	RWCU	ISI-I-12-1SH1	UT
B-11-75	PIPE TO PIPE	B-J	SBLC	ISI-I-11-1	PT UT
B-11-78	PIPE TO ELBOW	B-J	SBLC	ISI-I-11-1	PT UT
B-11-79	ELBOW TO PIPE	B-J	SBLC	ISI-I-11-1	PT UT
6-N4A-9HL1(8)	SUPPORT LUG	B-K-1	FW	ISI-I-6-1	MT
EB-23-VBW4-1	VALVE BODY WELD	B-M-1	HPCI	ISI-I-23-1	UT
EB-23-VBW4-2	VALVE BODY WELD	B-M-1	HPCI	ISI-I-23-1	UT
RPV INTERIOR	VESSEL INTERIOR	B-N-1	RPV	N/A	VT-3
RPV CSS	CORE SUPPORT STRUCT	B-N-2	RPV	N/A	VT-3
RPV INT ATTACH - BELTLINE	RPV INTERIOR ATTACHMENTS WITHIN BELTLINE REGION	B-N-2	RPV	N/A	VT-1
RPV INT ATTACH - NON-BELT	RPV INTERIOR ATTACHMENTS OUTSIDE BELTLINE REGION	B-N-2	RPV	N/A	VT-3
RPV-CRD-HSG-1	CRD HOUSING WELD	B-O	RPV	N/A	PT
RPV-CRD-HSG-2	CRD HOUSING WELD	B-O	RPV	N/A	PT
RPV-CRD-HSG-3	CRD HOUSING WELD	B-O	RPV	N/A	PT
RPV-CRD-HSG-4	CRD HOUSING WELD	B-O	RPV	N/A	PT
CLASS 1 HYDRO	CLASS 1 HYDRO	B-P	VARIOUS	VARIOUS	VT-2
GB-14-F34	PIPE TO VALVE	C-F-1	CS	ISI-I-14-2B	PT UT
EB-23-F58R	VALVE TO PIPE	C-F-2	HPCI	ISI-I-23-2	MT UT
SLT RHR-13	PRESSURE BOUNDARY	C-H	RHR	ISI-I-10-1C	VT-2
SLT MS-2	SRV DISCHARGE INSIDE TORUS	D-B	MS	ISI-I-1-1SH1	VT-3
HE-30-SS12HL	HANGER LUG	D-B	RBCCW	ISI-I-30-2SH1	VT-3
IWE-ANNDRN-080	ANNULUS DRAINS(2) AT 80 AZ.	E-C	CONT	ISI-IWE-AUG-1	VT-2
IWE-ANNDRN-170	ANNULUS DRAINS(2) AT 170 AZ.	E-C	CONT	ISI-IWE-AUG-1	VT-2
IWE-ANNDRN-260	ANNULUS DRAINS(2) AT 260 AZ.	E-C	CONT	ISI-IWE-AUG-1	VT-2
IWE-ANNDRN-350	ANNULUS DRAINS(2) AT 350 AZ.	E-C	CONT	ISI-IWE-AUG-1	VT-2
IWE-CB-GIBS225	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-GIBS315	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-X2	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-X200A	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-X213B	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-X35B	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
IWE-CB-X35C	CONTAINMENT BOLTING	E-G	CONT	N/A	VT-1 IWE
H-50-1-315GIBS	DRYWELL STABILIZER	F-A	CONT	ISI-IWE-AUG-1	VT-3 IWE
H-6-1-101	SPRING HANGER	F-A	FW	ISI-I-6-1	VT-3
H-6-1-107	SPRING HANGER	F-A	FW	ISI-I-6-1	VT-3
H-1-1-HA4	SPRING HANGER	F-A	MS	ISI-I-1-1SH1	VT-3
H-1-1-HD4	SPRING HANGER	F-A	MS	ISI-I-1-1SH1	VT-3
H-30-1-SS12	SNUBBER	F-A	RBCCW	ISI-I-30-2SH1	VT-3

Table 2

ISI EXAMINATIONS PERFORMED DURING RFO15

by Entergy, General Electric and Washington Group International

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	DRAWING	EXAM
H-2-1-SS3	SNUBBER	F-A	RECIRC	ISI-I-2R-A	VT-3
H-10-1-176	SPRING HANGER	F-A	RHR	ISI-I-10-1A	VT-3
H-54-1-1	RPV SUPPORT	F-A	RPV	N/A	VT-3
H-12-1-96	GUIDE	F-A	RWCU	ISI-I-12-1SH2	VT-3
H-1-1-37	RIGID HANGER	F-A-CL4	MS	ISI-I-1-1SH2	VT-3

Table 3

FLOW ACCELERATED CORROSION EXAMINATIONS PERFORMED ONLINE AND DURING RFO15

by Washington Group International

FAC COMPONENT	FAC DESCRIPTION	SYSTEM	O.D.	SCHEDULE	SAFETY-RELATED
358	EE-7-3-3-1E	MAIN STEAM	10.75	OUTAGE	NO
180	(20") EE-1-4-5-1T	MAIN STEAM	20	OUTAGE	NO
300	EBC(A)-1-1-2-1E	MAIN STEAM	4.5	OUTAGE	NO
353.2	PS-1-3-2TP	MAIN STEAM	6.625	OUTAGE	NO
350	DE6-13-5-1E	FEEDWATER	12.75	OUTAGE	NO
366	DE6-21-5-1E	FEEDWATER	10.75	OUTAGE	NO
307.1	DE6-12-2-1EP	FEEDWATER	4.5	OUTAGE	NO
128.2	d/s (2") DCA12-2P	RWCU	2.375	OUTAGE	YES
346	d/s (2") DCA12-2P	RWCU	2.375	OUTAGE	YES
376	ELBOW D/S of MO1301-60	RCIC	2.375	ONLINE	YES
271.1	HF(A)-16-2N	EXTRACTION STEAM	24	OUTAGE	NO
193	HF16-FSK-4-3E	EXTRACTION STEAM	1.9	OUTAGE	NO
383	B CONDENSER NOZZLE 15	EXTRACTION STEAM	1.9	OUTAGE	NO
302	HF16-FSK-1-1E	EXTRACTION STEAM	1.9	OUTAGE	NO
176	E-103B HTR NOZZLE	HEATER VENTS & DRAINS	24	OUTAGE	NO
290.2	30" SE ELBOW E101-A	HEATER VENTS & DRAINS	30	OUTAGE	NO
290.3	30" NE ELBOW E101-A	HEATER VENTS & DRAINS	30	OUTAGE	NO
290.4	30" NW ELBOW E101-A	HEATER VENTS & DRAINS	30	OUTAGE	NO
360	HE17-8-5-2E	HEATER VENTS & DRAINS	6.625	OUTAGE	NO
281.1	E-103B HEATER SHELL	HEATER VENTS & DRAINS	n/a	OUTAGE	NO
276	A CONDENSER NOZZLE 47	HEATER VENTS & DRAINS	6.625	OUTAGE	NO
373	E-105B HEATER SHELL	HEATER VENTS & DRAINS	n/a	OUTAGE	NO
371	HE17-32-6-1E	HEATER VENTS & DRAINS	2.875	OUTAGE	NO
372	HE17-39-2-1E	HEATER VENTS & DRAINS	12.75	OUTAGE	NO
237	H17-35-2-1E	HEATER VENTS & DRAINS	12.75	OUTAGE	NO
388	HE17-42-3-2E	HEATER VENTS & DRAINS	2.875	OUTAGE	NO
325	HE17-FSK-P-124-10E	HEATER VENTS & DRAINS	2.375	OUTAGE	NO
382	B CONDENSER NOZZLE 45	HEATER VENTS & DRAINS	12.75	OUTAGE	NO
389	HE17-8-6-1E	HEATER VENTS & DRAINS	6	OUTAGE	NO
114/115	GE-18-21-3-1E	CONDENSATE	14	OUTAGE	NO
395	GE18-19-3-1E	CONDENSATE	14	OUTAGE	NO
154	GE-18-21-4-1E	CONDENSATE	14	OUTAGE	NO
385	10"-M13-62-5	CONDENSATE	10.75	ONLINE	NO
386	10"-M13-58-7	CONDENSATE	10.75	ONLINE	NO
381	MD25-M4393-1	CONDENSER VENTS & DRAINS	2.375	OUTAGE	NO
380	MD25-M3927-1	CONDENSER VENTS & DRAINS	2.375	OUTAGE	NO

Table 4

MISCELLANEOUS VISUAL EXAMINATIONS PERFORMED 2003-2005

DATASHEET	COMPONENT	SYSTEM	EXAM	DATE	MAINTENANCE REQUEST
VT-29-03013	SLT SSW-2 & 3	SSW	VT-2	7/21/2003	N/A
VT-30-03029	SLT RBCCW-1 & 7	RBCCW	VT-2	7/21/2003	N/A
VT-29-03012	SLT SSW-1	SSW	VT-2	7/22/2003	N/A
VT-30-03030	SLT RBCCW-1	RBCCW	VT-2	8/18/2003	N/A
VT-30-03032	SLT RBCCW-3	RBCCW	VT-2	8/18/2003	N/A
VT-30-03033	SLT RBCCW-4	RBCCW	VT-2	8/18/2003	N/A
VT-30-03031	SLT RBCCW-2	RBCCW	VT-2	8/19/2003	N/A
VT-30-03028	PSV-4031	RBCCW	VT-2	8/21/2003	02104456
03-V-392	2-13 x 1/2 CAP SCREW	CRD	VT-1	9/23/2003	N/A
VT-54-03018	RPV HEAD VENT PIPING	RPV	VT-2	10/4/2003	03117342, 03109752
VT-3-03004	CRD #30-35 AND UNDERVESSEL (VENTS)	CRD	VT-2	10/9/2003	03110875
VT-4-03001	AO-220-52	RPV	VT-2	10/9/2003	03117422
VT-54-03019	N10 NOZZLE OVERLAY REPAIR	RPV	VT-2	10/9/2003	03117570
VT-54-03020	HEAD VENT PIPING	RPV	VT-2	10/9/2003	03109629
VT-30-04002	SLT RBCCW-15	RBCCW	VT-2	12/17/2003	N/A
VT-30-04003	SLT RBCCW-13	RBCCW	VT-2	12/17/2003	N/A
VT-30-04004	SLT RBCCW-11	RBCCW	VT-2	12/17/2003	N/A
VT-30-04005	SLT RBCCW-10	RBCCW	VT-2	12/17/2003	N/A
VT-30-04006	SLT RBCCW-9	RBCCW	VT-2	12/17/2003	N/A
VT-30-04007	SLT RBCCW-8	RBCCW	VT-2	12/17/2003	N/A
VT-30-04008	SLT RBCCW-7	RBCCW	VT-2	12/17/2003	N/A
VT-30-04009	SLT RBCCW-6	RBCCW	VT-2	12/17/2003	N/A
VT-29-04001	H-29-1-1321SA	SSW	VT-3	1/20/2004	02103161
04-V-001	40 STUDS 1 3/8"-6x10 SA-193-Gr. B MRIR No.'s 76-175(1),92-4115(3) PIL-17630	MS	VT-1	01/29/04	N/A
04-V-002	5 STUDS 1 1/8" 12x6 A-193 Gr. B7 MRIR No.'s 97-6567,94-4394 PIL-19242	MS	VT-1	01/29/04	N/A
04-V-003	19 HEX NUTS 1 3/8" A-194 Gr.7 MRIR No.'s 82-469,76-175,81-857 PIL-18618	MS	VT-1	01/29/04	N/A
04-V-004	16 NUTS 1 1/8"-12 SA-194 Gr.7 MRIR No. 00-9579 PIL-18716	MS	VT-1	01/29/04	N/A
VT-29-04002	P-208D PUMP DISCHARGE	SSW	VT-2	2/6/2004	03102364
VT-30-04001	TBCCW PIPING 11 POINTS FOR IGSCC	TBCCW	VT-2	3/2/2004	02107205
VT-10-04001	SLT RHR-7	RHR	VT-2	3/23/2004	N/A
VT-10-04002	SLT RHR-6	RHR	VT-2	3/23/2004	N/A
VT-10-04003	SLT RHR-9	RHR	VT-2	3/23/2004	N/A
VT-10-04005	SLT RHR-10	RHR	VT-2	3/23/2004	N/A
VT-10-04006	SLT RHR-8	RHR	VT-2	3/23/2004	N/A
VT-10-04007	SLT RHR-3	RHR	VT-2	3/23/2004	N/A
VT-10-04010	SLT RHR-1	RHR	VT-2	3/23/2004	N/A
VT-30-04013	SLT RBCCW-1	RBCCW	VT-2	3/23/2004	N/A
VT-30-05003	SLT-RBCCW-3	RBCCW	VT-2	3/23/2004	N/A
VT-30-05004	SLT-RBCCW-5	RBCCW	VT-2	3/23/2004	N/A
VT-30-05005	SLT-RBCCW-12	RBCCW	VT-2	3/23/2004	N/A
VT-1-04001	H-1-1-SA3	MS	VT-3	3/24/2004	03101431
VT-29-04003	29-HO-3834	SSW	VT-2	3/24/2004	04102581
VT-1-04002	SRV 203-3A PILOT ONLY	MS	VT-2	3/25/2004	03101431
VT-1-04003	SRV 203-3D PILOT ONLY	MS	VT-2	3/25/2004	03101432
VT-29-04004	TBCCW HX E-122A & VALVES	SSW	VT-2	4/20/2004	P9800147
VT-14-04001	SLT CS-1	CS	VT-2	8/3/2004	N/A
VT-14-04004	SLT CS-6	CS	VT-2	8/3/2004	N/A
VT-14-04006	SLT CS-8	CS	VT-2	8/3/2004	N/A

Table 4

MISCELLANEOUS VISUAL EXAMINATIONS PERFORMED 2003-2005

DATASHEET	COMPONENT	SYSTEM	EXAM	DATE	MAINTENANCE REQUEST
VT-14-04005	SLT CS-7	CS	VT-2	8/23/2004	N/A
VT-10-04004	SLT RHR-2	RHR	VT-2	8/24/2004	N/A
VT-10-04008	SLT RHR-5	RHR	VT-2	8/24/2004	N/A
VT-10-04009	SLT RHR-3	RHR	VT-2	8/24/2004	N/A
VT-10-04011	SLT RHR-1	RHR	VT-2	8/24/2004	N/A
VT-10-04012	SLT RHR-7	RHR	VT-2	8/24/2004	N/A
VT-23-04002	SLT HPCI-1	HPCI	VT-2	8/24/2004	N/A
VT-23-04003	SLT HPCI-4	HPCI	VT-2	8/24/2004	N/A
VT-23-04004	SLT HPCI-3	HPCI	VT-2	8/24/2004	N/A
VT-23-04005	SLT HPCI-2	HPCI	VT-2	8/24/2004	N/A
VT-23-04006	SLT HPCI-5	HPCI	VT-2	8/24/2004	N/A
VT-1-05001	MSIV 2A,B,C,D TO R. B. WALL	MS	VT-2	9/21/2004	N/A
VT-6-04001	SLT FW-1	FW	VT-2	9/21/2004	N/A
VT-14-04002	SLT CS-5	CS	VT-2	9/23/2004	N/A
VT-14-04003	SLT CS-4	CS	VT-2	9/23/2004	N/A
VT-14-04007	SLT CS-3	CS	VT-2	9/23/2004	N/A
VT-14-04008	SLT CS-2	CS	VT-2	9/23/2004	N/A
VT-14-04009	SLT CS-1	CS	VT-2	9/23/2004	N/A
VT-29-04005	29-CK-3880B	SSW	VT-2	9/24/2004	03102361
04001 VOID	SLT RCIC-5	RCIC	VT-2	10/15/2004	N/A
04002 VOID	SLT RCIC-4	RCIC	VT-2	10/15/2004	N/A
04003 VOID	SLT RCIC-3	RCIC	VT-2	10/15/2004	N/A
04004 VOID	SLT RCIC-2	RCIC	VT-2	10/15/2004	N/A
04005 VOID	SLT RCIC-1	RCIC	VT-2	10/15/2004	N/A
VT-13-04006	SLT RCIC-1	RCIC	VT-2	10/15/2004	N/A
VT-13-04007	SLT RCIC-2	RCIC	VT-2	10/15/2004	N/A
VT-13-04008	SLT RCIC-3	RCIC	VT-2	10/15/2004	N/A
VT-13-04009	SLT RCIC-4	RCIC	VT-2	10/15/2004	N/A
VT-13-04010	SLT RCIC-5	RCIC	VT-2	10/15/2004	N/A
VT-30-04012	SLT RBCCW-7	RBCCW	VT-2	12/15/2004	N/A
VT-29-04006	SLT SSW-1	SSW	VT-2	12/29/2004	N/A
VT-30-04010	SLT RBCCW-7	RBCCW	VT-2	12/29/2004	N/A
VT-11-04001	SLT SLC-1	SBLC	VT-2	12/30/2004	N/A
VT-30-04011	SLT RBCCW-1	RBCCW	VT-2	12/30/2004	N/A
VT-13-05001	SLT RCIC-2	RCIC	VT-2	1/10/2005	N/A
VT-11-05001	SLT SLC-3	SBLC	VT-2	1/12/2005	N/A
VT-11-05002	SLT SLC-1	SBLC	VT-2	1/12/2005	N/A
VT-30-05001	P-202B	RBCCW	VT-2	1/24/2005	04108826
VT-23-05001	SLT-HPCI-2	HPCI	VT-2	2/23/2005	N/A
VT-10-05002	SLT-RHR-1	RHR	VT-2	3/2/2005	N/A
VT-10-05003	SLT-RHR-4	RHR	VT-2	3/2/2005	N/A
VT-10-05004	SLT-RHR-2	RHR	VT-2	3/2/2005	N/A
VT-10-05015	SLT-RHR-1	RHR	VT-2	3/2/2005	N/A
VT-30-05002	SLT-RBCCW-8	RBCCW	VT-2	3/2/2005	N/A
VT-54-05001	QC-1A, B, C, E, H, J, L, O, P	SCREWS	VT-1	4/1/2005	N/A
VT-30-05015	19-E206A-HL	RBCCW	VT-3	4/5/2005	04112867
VT-30-05017	H-19-1-E206A	RBCCW	VT-3	4/5/2005	04112867
VT-23-05002	H-23-1-P205	HPCI	VT-3	4/6/2005	04112868

Table 4

MISCELLANEOUS VISUAL EXAMINATIONS PERFORMED 2003-2005

DATASHEET	COMPONENT	SYSTEM	EXAM	DATE	MAINTENANCE REQUEST
VT-14-05001	H-14-1-33	CS	VT-3	4/11/2005	04112869
VT-30-05016	HE-30-61PS	RBCCW	VT-3	4/11/2005	04112867
VT-30-05018	H-30-E-122A	RBCCW	VT-3	4/12/2005	04112867
VT-30-05019	HE-30-438PS	RBCCW	VT-3	4/12/2005	04112867
VT-14-05002	GB-14-22HL1(4)	CS	VT-1	4/13/2005	04112869
VT-30-05021	HE-30-61HL	RBCCW	VT-3	4/13/2005	04112867
VT-30-05020	H-30-1-119	RBCCW	VT-3	4/14/2005	04112867
VT-1-05005	RV-203-3D	MS	VT-1	4/17/2005	3108857
VT-1-05006	RV-203-3D	MS	VT-3	4/17/2005	3108857
VT-1-05007	RV-203-3D	MS	VT-3	4/18/2005	3108857
VT-50-05010	IWE-ANNDRN-80, 170, 260, AND 350	CONT	VT-2	4/20/2005	03116650
VT-10-05021	SLT-RHR-12	RHR	VT-2	4/25/2005	03116630
VT-29-05004	JF-29-15-7, JF-29-15-9, 29-HO-3818, 29-HO-3817, 29-HO-3881B	SSW	VT-2	4/26/2005	04108872
VT-29-05005	JF-29-9-8A, JF-29-9-8B, 29-HO-3B, 29-HO-5B, 29-HO-3837, 29-HO-3839, JF-29-9-2	SSW	VT-2	4/26/2005	04108872
VT-30-05024	30-HO-46	RBCCW	VT-2	4/26/2005	04108878
VT-30-05025	30-HO-47	RBCCW	VT-2	4/26/2005	04108878
VT-30-05026	30-HO-45	RBCCW	VT-2	4/26/2005	04108878
VT-10-05017	SLT-RHR-13	RHR	VT-2	4/27/2005	03116630
VT-6-05005	6-VB-62A	FW	VT-3	4/27/2005	03116641
VT-11-05003	B-11-79	SLC	VT-2	4/28/2005	05106774
VT-11-05004	SLT-SLC-2	SLC	VT-2	4/28/2005	04109022
VT-11-05005	SLT-SLC-3	SLC	VT-2	4/28/2005	04109022
VT-11-05006	SLT-SLC-4	SLC	VT-2	4/28/2005	04109022
VT-29-05002	H-29-1-1065	SSW	VT-3	4/28/2005	4118127
VT-6-05002	6-CK-62A	FW	VT-1	4/28/2005	03109387
VT-6-05003	6-VB-62B	FW	VT-1	4/28/2005	03109387
VT-14-05003	14-VB-1400-6A	CS	VT-1	4/29/2005	03116643
VT-14-05004	14-VB-1400-9A	CS	VT-1	4/29/2005	03116643
VT-30-05022	H-30-1-SS12	RBCCW	VT-3	4/29/2005	03116635
VT-30-05023	HE-30-SS12HL	RBCCW	VT-3	4/29/2005	03116635
VT-3-05002	SS-3-25-03	CRD	VT-3	4/30/2005	3119361
VT-6-05006	6-VB-62A	FW	VT-3	4/30/2005	03116641
VT-50-05012	IWE-ANNDRN-80, 170, 260, AND 350	CONT	VT-2	5/2/2005	03116650
VT-29-05003	JF-29-2-1A,	SSW	VT-2	5/3/2005	04108873
VT-10-05019	MO-1001-23A to MO-1001-26A	RHR	VT-2	5/4/2005	05101192
VT-10-05018	SLT-RHR-13	RHR	VT-2	5/5/2005	03116630
VT-10-05020	SLT-RHR-1	RHR	VT-2	5/5/2005	N/A
VT-10-05022	SLT-RHR-14	RHR	VT-2	5/5/2005	03116630
VT-10-05023	SLT-RHR-14	RHR	VT-2	5/5/2005	03116630
VT-10-05024	SLT-RHR-2	RHR	VT-2	5/5/2005	03116630
VT-1-05008	SLT MS-2	MS	VT-3	5/5/2005	03116636
VT-11-05007	B-11-79R	SLC	VT-2	5/7/2005	05108176
VT-3-05003	SLT-CRD-1	CRD	VT-2	5/9/2005	03116624
VT-3-05004	SLT-CRD-1	CRD	VT-2	5/9/2005	03116624
VT-3-05005	SLT-CRD-2	CRD	VT-2	5/9/2005	03116624
VT-3-05006	SLT-CRD-2	CRD	VT-2	5/9/2005	03116624
VT-3-05007	SLT-CRD-3	CRD	VT-2	5/9/2005	03116624
VT-3-05008	SLT-CRD-4	CRD	VT-2	5/9/2005	03116624

Table 4

MISCELLANEOUS VISUAL EXAMINATIONS PERFORMED 2003-2005

DATASHEET	COMPONENT	SYSTEM	EXAM	DATE	MAINTENANCE REQUEST
VT-54-05006	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05007	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05008	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05009	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05010	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05011	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05012	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05013	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05014	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05015	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05016	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05017	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05018	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05019	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05020	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05021	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624
VT-54-05022	CLASS 1 HYDRO	VARIOUS	VT-2	5/9/2005	03116624

Table 5

Miscellaneous NDE Examinations Performed 2003-2005

DATASHEET	COMPONENT	SYS. NO.	CODE CAT.	EXAM	DATE	MAINTENANCE REQUEST
03-E-399	INITIAL FLAW -- 3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-E-422	FINAL PSI UT -- 3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-P-402	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-403	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-405	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-407	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-409	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-419	FINAL PT --- 3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-423	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-P-428	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	PT	10/9/2003	03117570
03-U-401	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-404	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-406	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-408	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-418	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-420	FINAL UTTD -- 3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-424	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
03-U-427	3-I-1R (N10 NOZZLE OVERLAY INPROCESS EXAMS)	RPV	B-F	UT	10/9/2003	03117570
04-U-005	JF29-15-9 S.S.W. Spool	SSW	N/A	UT	02/08/04	04100606
04-P-015	FW 19900838-1 (Valve HO-45)	RHR	2	PT	08/28/04	19900838
04-P-016	FW 19900838-2A (Valve HO-45)	RHR	2	PT	08/31/04	19900838
05-M-002	SSW SPOOL JF29-2-1A	SSW	N/A	MT	1/28/2005	04112440
05-M-004	SSW SPOOL JF29-2-1A/B	SSW	N/A	MT	1/29/2005	04112440
05-M-005	SSW SPOOL JF29-2-1A	SSW	N/A	MT	1/31/2005	04112440
05-M-006	SSW SPOOL JF29-2-1B	SSW	N/A	MT	2/1/2005	04112440
05-M-003	SSW SPOOL JF29-2-4A	SSW	N/A	MT	2/2/2005	04118035
05-M-007	SSW SPOOL JF29-3-4A/B	SSW	N/A	MT	2/4/2005	04117967
05-M-008	SSW SPOOL JF29-2-1A	SSW	N/A	MT	2/5/2005	04112440
05-M-009	SSW SPOOL JF29-2-4A	SSW	N/A	MT	2/5/2005	04118035
05-M-012	SSW SPOOL JF29-3-4B	SSW	N/A	MT	2/7/2005	04117967
05-M-011	SSW SPOOL JF29-9-8A/8B	SSW	N/A	MT	2/8/2005	04112861
05-M-014	SSW SPOOL JF29-9-8A/8B	SSW	N/A	MT	2/11/2005	04112861
05-M-015	SSW SPOOL JF29-15-9	SSW	N/A	MT	2/11/2005	04118127
05-M-016	SSW SPOOL JF29-9-2	SSW	N/A	MT	2/11/2005	04118336
05-M-013	SSW SPOOL JF29-3-4A	SSW	N/A	MT	2/14/2005	04117967
05-M-018	SSW SPOOL JF29-9-2	SSW	N/A	MT	2/16/2005	04118336
05-M-019	SSW SPOOL JF29-15-9	SSW	N/A	MT	2/16/2005	04118127
05-P-020	RCIC VENT LINE	RCIC	N/A	PT	2/25/2005	03117562
05-P-021	30-HO-119	RBCCW	NA	PT	3/23/2005	04101887
05-P-022	HO-1001-198	RHR	N/A	PT	3/23/2005	05101296
05-P-031	HCU-30-47	CRD	N/A	PT	4/19/2005	02122049
05-P-032	HCU-30-47	CRD	N/A	PT	4/20/2005	02122049

Table 6

RFO15 ISI and FAC MAINTENANCE REQUESTS

ISI ONLINE CHILD MR	ISI OUTAGE MR	SYSTEM
---	3116623	SSW
---	3116649	CRD
---	3116626	RWCU
---	3116650	CONT
4112870	3116643	CS
4112869	3116642	CS
---	3116641	FW
4112868	3116640	HPCI
---	3116636	MS
4112867	3116635	RBCCW
---	3116634	RBCCW
---	3116633	RCIC
---	3116632	RECIRC
4112865	3116631	RHR
4112863	3116630	RHR
---	3116627	RPV NOZZLES
---	3116628	REFUEL FLOOR ISI
---	3116625	SBLC
---	3116629	RPV VERTICAL SHELL WELDS (FRAMATOME)
---	3116403	IVVI
---	3116716	REMOVE INSUL. FROM N14, N15 & N16 NOZZLES
---	3116624	CLASS 1 HYDRO
---	4109173	NOZZLE EXAM SCOPE EXPANSION CONTINGENCY
---	5102931	SBLC N14 NOZZLE WELD OVERLAY CONTINGENCY
---	3105799	WELD OVERLAY CONTINGENCY
---	4102437	REMOVE BLOCKOUT A-9A BLOCKS
4112143	---	CHILD MR TO SET UP 2 AUTO UT CONTROL STATIONS

FAC ONLINE CHILD MR	FAC OUTAGE MR	SYSTEM
---	3117163	CONDENSATE
---	3117159	EXTRACTION STEAM
---	3117164	FEEDWATER
---	3117162	MAIN STEAM/MS Aux
---	3117160	HEATER VENTS & DRAINS
---	3117161	RWCU
---	4106270	RCIC

Table 7

ISI CORRECTIVE ACTION DOCUMENTS 2003-2005

CR NUMBER	COMPONENT	SYSTEM	DISPOSITION	REMARKS
2003-3719	CRD Return Nozzle N10 Cap has thru wall pressure boundary leakage	RPV	REPAIR	WELD OVERLAY INSTALLED
2005-1304	Undocumented design change made to hanger H-23-1-8	HPCI	ACCEPT-AS-IS	ER 05108585
2005-1520	FAC point 128.2 below Tscr	RWCU	ACCEPT-AS-IS	---
2005-1536	Snubber H-2-1-SS-3 piston setting out of tolerance	RECIRC	ACCEPT-AS-IS	---
2005-1608	4 of 10 steam dryer tie-bars have cracked welds	RPV	REPAIR	WELDS REPAIRED PER ER#05106713
2005-1639	Indication found during scheduled ISI UT exam of B-11-79 weld	SBLC	REPAIR	---
2005-1657	N2E exam found spot location below min wall	RECIRC	ACCEPT-AS-IS	---
2005-1666	Two through wall holes found on FAC point 290.2	EXTRACTION STEAM	REPAIR	---
2005-1754	Two UT transducers failed during auto UT of N2E safe end weld	EXTRACTION STEAM	FAULTY MAIN UMBILICAL CABLE REPLACED	---
2005-1759	FAC point 290.2 below Tscr	RECIRC	REPAIR	---
2005-1770	2R-N2G-1 noted two areas below min wall	RECIRC	ACCEPT-AS-IS	---
2005-1827	2R-N2G-1 weld crown surface profile	RECIRC	ACCEPT-AS-IS	---
2005-1830	2R-N2J-1 below min wall	RECIRC	ACCEPT-AS-IS	---
2005-1839	Loose bolt discovered on hanger H-6-1-101	FEEDWATER	REWORK	---
2005-1857	Debris discovered in annulus near jet pump #4 on vessel side	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-1860	Individual struck by falling lead blanket	N/A	CONDITION CORRECTED	---
2005-1870	UT on RPV-TH-M4 identified one indication	RPV	ACCEPT-AS-IS	FABRICATION FLAW (UPJOHN INDICATION)
2005-1871	UT on RPV-TH-M5 identified one indication	RPV	ACCEPT-AS-IS	FABRICATION FLAW (UPJOHN INDICATION)
2005-1888	Jet pump wedges 16 and 17 found in full down position. Jet pump wedge 16 not making contact with its seating surface	RPV	ACCEPT-AS-IS	CONDITION EVALUATED; RK WELDS EXAMINED
2005-1890	Metallic debris found in RPV annulus on shroud support ledge during IVVI adjacent to jet pumps 11, 12, and 13	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-1893	Core Spray weld 14-A-3 below min wall	CORE SPRAY	ACCEPT-AS-IS	---
2005-1895	Weld crown surface profile conditions on RPV-N2G-1 and RPV-N2J-1	RECIRC	ACCEPT-AS-IS	---
2005-1914	SBLC weld B-11-79 failed preservice UT exam	SBLC	REPAIR	WELD REPLACED

Table 7

ISI CORRECTIVE ACTION DOCUMENTS 2003-2005

CR NUMBER	COMPONENT	SYSTEM	DISPOSITION	REMARKS
2005-1916	Indication observed on nozzle to safe end weld on 2R-N2F-1	RECIRC	ACCEPT-AS-IS	MID-WALL FABRICATION FLAW (LACK OF FUSION)
2005-1965	Debris discovered in annulus area of jet pump #7 on vessel side	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-1979	Metallic debris found in RPV annulus on shroud support ledge during IVVI inspections adjacent to Jet Pump #4	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-1980	Loose nuts/studs on IWE-CB-X2	CONTAINMENT	REWORK	---
2005-1982	Crack on structural lug fillet welds (6-N4A-9HL1(8))	FEEDWATER	ACCEPT-AS-IS	ER 05107476
2005-2024	Metallic debris found in RPV annulus on shroud support ledge during IVVI inspections adjacent to Jet Pump #7	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-2059	Water on 1400-9A valve bonnet	CORE SPRAY	ACCEPT-AS-IS	NOT PRESSURE BOUNDARY LEAKAGE
2005-2120	FAC point 366 below Tmin	FEEDWATER	ACCEPT-AS-IS	---
2005-2137	Lower end of the 210 degrees Surveillance Sample Holder not properly engaged to the lower bracket	RPV	REWORK	CAPSULE PROPERLY SECURED
2005-2139	Additional debris found in RPV annulus on shroud support ledge during IVVI inspections adjacent to Jet Pump #14	RPV	REMOVE DEBRIS	DEBRIS REMOVED
2005-2253	FAC point 290.3 below Tscr	EXTRACTION STEAM	ACCEPT-AS-IS	---
2005-2384	SBLC weld B-11-79 visual linear indiction in weld removal area	SBLC	REWORK	FABRICATION WORKMANSHIP ISSUE

2.0 NIS-1 and NIS-2 Code Report Forms

2.1 RFO15 NIS-1 Form

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Entergy
(Name and Address of Owner)

2. Plant Pilgrim Nuclear Power Station, 600 Rocky Hill Road, Plymouth, MA 02360
(Name and Address of Plant)

3. Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 12-9-72 6. National Board Number for Unit 20763

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel Piping	Combustion Eng. Bechtel	66107	66207	20763

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates 5-14-03 to 5-9-05 9. Inspection Interval from 6-30-95 to 6-30-05

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. SEE ISI SUMMARY REPORT

11. Abstract of Conditions noted. SEE ISI SUMMARY REPORT

12. Abstract of Corrective Measures Recommended and Taken. SEE ISI SUMMARY REPORT AND NIS-2 FORMS.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date July 28 2005 Signed Entergy Owner By EP&C Manager P. MANDERINO

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of MA and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the components described in this Owner's Data Report during the period of 5-14-03 to 5-9-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: 7/28/05

Inspector's Signature

Commissions NB11916 A,B,N,I MA1651

National Board, State, Province, and No.

2.2 RFO15 NIS-2 Forms

Entergy

Pilgrim Nuclear Power Station

Form NIS-2 Owner's Report

For

Repairs or Replacements of Items/Components

from RFO14 Close to RFO15 Close

Prepared by: _____ 7/28/05
Senior ISI Engineer

Approved by: _____ 7/28/05
EP&C Manager P. MANDERINO

Approved by: _____ NB916 MAIGT AGNI
ANII

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Entergy Louisiana, Inc. (Name) — Date VARIOUS

639 Loyola Ave. New Orleans, LA 70113 (Address) — Sheet 1 of 2

2. Plant Entergy Nuclear Generation Company Pilgrim Nuclear Power Station (Name) — Unit 1

600 Rocky Hill Rd. Plymouth, MA 02360 (Address) — See Attached NIS-2 Summary Form (Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Pilgrim Nuclear Power Station (Name) — Type Code Symbol Stamp N/A

600 Rocky Hill Rd. Plymouth, MA 02360 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System See Attached NIS-2 Summary Form

5. (a) Applicable Construction Code ANSI B31.1, 1967 (Year) Edition, No Addenda, No Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 89 (Year)

(c) Applicable Section XI Code Cases * N-416-1

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)

7. Description of Work

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

(7/99) This form (E00030) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00030

FORM NIS-2 (Back)

9. Remarks See Attached NIS-2 Summary Form
Applicable Manufacturer's Data Reports to be attached
* Refer to NIS-2 Summary Table for additional code cases.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair/replacement conforms
repair or replacement
to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed P. MANDERINO EP&C Date JULY 28, 2005
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/or the State or Province of MA and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Data Report during the period of 5-14-03 to 5-9-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions NB1916 ABNI MA1651
National Board, State, Province, and Endorsements

Date: 7/28 2005

FORM NIS-2 OWNER'S SUMMARY REPORT FOR REPAIR OR REPLACEMENTS
from RFO14 Close to RFO15 Close
PILGRIM NUCLEAR POWER STATION
Rocky Hill Road, Plymouth, MA
Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System	Name of Mfg.	Mfg. S/N	Entergy or Nat. Brd. No.	MR Number	Year Built	Repaired, Replacement or Replacement	ASME Code Stamped	Description of Work Performed	Test Conducted
Pump bowl and columns	SSW	Gould	---	P-208B	03102361	2003/2004	Replacement	Y	Replace pump bowl & columns	VT-2
Valve	SSW	Pratt	---	29-HO-3817	P9900454	---	Replacement	N	Replace valve & bolting	VT-2
Valve	SSW	Pratt	---	29-HO-3881B	05102257	---	Replacement	N	Replace valve & bolting	VT-2
Valve	SSW	Pratt	---	29-HO-3818	P9900455	---	Replacement	N	Replace valve & bolting	VT-2
Support	SSW	Bergen-Patterson	---	H-29-1-1065	04108127	---	Modification	N	Modify support by addn. of baseplate	VT-3
Valve	SSW	---	---	29-HO-3B	04109557	---	Replacement	N	Replace gate valve with ball valve	VT-2
Valve	SSW	---	---	29-HO-5B	04109557	---	Replacement	N	Replace gate valve with ball valve	VT-2
Valve	RBCCW	---	---	30-HO-47	04104817	---	Replacement	N	Replace valve & bolting	VT-2
Valve	RBCCW	Pratt	---	30-HO-46	04104215	---	Replacement	N	Replace valve & bolting	VT-2
Valve	RBCCW	Powell	---	30-CK-421	P9401162	---	Replacement	N	Replace pressure retaining parts	VT-2
Pump mechanical seal	RBCCW	Flowserve	---	P-202B	04108826	---	Replacement	N	Rebuild mechanical seal	VT-2
RPV N10 nozzle weld 3-I-1	RPV	CE	66107	20763	03117491	1969	Repair	Y	Repair through-wall defect by weld overlay	PT UT VT-2
Bolting	SSW	---	---	Spool JF29-16-2	03101383	---	Replacement	N	Replace bolting	---
Safety Relief Valve	MS	Target Rock	Body S/N 77	RV203-X	Contract No. 4500516308	1987	Replacement	Y	Replace seat by welding	VT-2
Safety Relief Valve pilot	MS	Target Rock	S/N 1054 replaced with 1208	RV203-3A	03101431	---	Replacement	Y	Replace pilot	VT-2
Safety Relief Valve pilot	MS	Target Rock	S/N 1049 replaced with 1040	RV203-3D	03101432	---	Replacement	Y	Replace pilot and bolting	VT-2
Support	MS	Bergen-Patterson	---	H-1-1-SA3	03101431	---	Modification	N	Modify support by coping flange of beam	VT-3
CRD Bolting	CRD	GE	---	HCU 30-35 drive	03110875	---	Replacement	N	Replace CRD drive bolting (6)	VT-2
RPV Head Vent valve	RPV	---	---	4-HO-48	03109752	---	Replacement	N	Replace valve and piping	PT VT-2
RPV Head Vent valve	RPV	---	---	4-HO-49	03113124	---	Replacement	N	Replace valve and piping	PT VT-2

FORM NIS-2 OWNER'S SUMMARY REPORT FOR REPAIR OR REPLACEMENTS
from RFO14 Close to RFO15 Close
PILGRIM NUCLEAR POWER STATION
Rocky Hill Road, Plymouth, MA
Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System	Name of Mfg.	Mfg. S/N	Entergy or Nat. Brd. No.	MR Number	Year Built	Repaired, Replacement or Replacement	ASME Code Stamped	Description of Work Performed	Test Conducted
Turbine Stop valve	HPCI	Shutte & Koerting	---	HO-2300-23	03115728	---	Replacement	N	Replace pilot valve and stem	---
Support	SSW	---	---	H-29-1-1321SA	02103161	---	Replacement	N	Replace drawing detail Item #11	VT-3
Valve	SSW	---	---	AO-3925	02103161	---	Replacement	N	Replace valve and bolting	VT-2
Expansion Joint	SSW	Garlock	---	XJ-319	03102364	---	Replacement	N	Replace exp. Joint and bolting	VT-2
Valve	SSW	Pratt	---	29-HO-3834	04102581	---	Replacement	N	Replace valve & bolting	VT-2
Pump assembly	SSW	Gould	---	P-208D	03102364	2003	Replacement	Y	Replace pump assembly & exp. joint	VT-2
Valve	SSW	Crane	---	29-CK-3880D	03102364	2003	Replacement	Y	Replace valve and bolting	VT-2
Valve	SSW	Crispin	---	AV-38006	03102364	2003	Replacement	Y	Replace valve and bolting	VT-2
Pump assembly	SSW	Gould	---	P-208E	03102365	2003	Replacement	Y	Replace pump bowl & columns	VT-2
Relief Valve	RBCCW	Dresser	TN-26488	PSV-4031	02104456	2003	Replacement	Y	Replace valve and bolting	VT-2
Valve	RBCCW	Powell	---	30-CK-423	P9700015	1967	Replacement	N	Replace disc and bolting	VT-2
Valve	RBCCW	Powell	---	30-CK-424	P9701281	1967	Replacement	N	Replace disc and bolting	VT-2
Valve bolting	SSW	---	---	29-HO-3834	04103280	---	Replacement	N	Replace bolting	---
Heat Exchanger bolting	TBCCW	---	---	E-122A	P9800147	---	Replacement	N	Replace bolting	---
Socket Weld	SBLC	---	---	B-11-79	05108176, 05106774	1970	Replacement	N	Replace weld per ER 05108177	PT VT-2
Valve	SSW	Pratt	---	29-HO-3837	P9600773	---	Replacement	N	Replace valve & bolting	VT-2
Valve	SSW	Pratt	---	29-HO-3839	P9600774	---	Replacement	N	Replace valve & bolting	VT-2
Pipe Spool	SSW	---	---	JF29-9-8A	03121196	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-9-8B	03121196	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-2-1A	03121195	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-2-1B	03121195	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-9-2	03121196	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-3-4A	03101195	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-3-4B	03101195	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Pipe Spool	SSW	---	---	JF29-2-4A	03101195	2004	Replacement	N	Replace pipe spool and bolting	VT-2
Valve	RBCCW	Pratt	---	30-HO-45	04104818	---	Replacement	N	Replace valve and bolting	VT-2
Heat Exchanger	RBCCW	EFCO	S-15577B	E-209B	01108097	1968	Repair	Y	Weld repair channel partition plates	PT VT-2
Bolting	CONT	---	---	PIL-11181	03116650	---	Replacement	N	Replace bolting at GIBBS manway	---
ECP Probe	RECIRC	---	---	ECP Probe	03118647	---	Replacement	N	Replace ECP probe at P-201A suction	VT-2

FORM NIS-2 OWNER'S SUMMARY REPORT FOR REPAIR OR REPLACEMENTS
from RFO14 Close to RFO15 Close
PILGRIM NUCLEAR POWER STATION
Rocky Hill Road, Plymouth, MA
Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System	Name of Mfg.	Mfg. S/N	Entergy or Nat. Brd. No.	MR Number	Year Built	Repaired, Replacement or Replacement	ASME Code Stamped	Description of Work Performed	Test Conducted
LPRM Detector	RPV	GE	02S46320	LPRM 36-05	03113937	---	Replacement	N	Replace LPRM detector string	VT-2
LPRM Detector	RPV	GE	05S92652	LPRM 20-21	03113937	---	Replacement	N	Replace LPRM detector string	VT-2
LPRM Detector	RPV	GE	05S92654	LPRM 04-29	03113937	---	Replacement	N	Replace LPRM detector string	VT-2
LPRM Detector	RPV	GE	05S92651	LPRM 20-37	03113937	---	Replacement	N	Replace LPRM detector string	VT-2
LPRM Detector	RPV	GE	02S46319	LPRM 44-21	03113937	---	Replacement	N	Replace LPRM detector string	VT-2
Control Rod Drive	CRD	GE	A6713	02-19	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	7383	02-27	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A8549	06-19	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1323	10-07	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1311A	10-23	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1648	10-43	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1434	14-39	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	5540	14-43	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A6733	14-47	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	5304	14-51	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A1053	18-23	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A8597	18-31	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A3961	22-07	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	5436	22-11	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A6713	22-19	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	6642	30-27	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A6485	30-35	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	7632	30-39	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A8769	30-51	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	7160	34-15	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A8805	34-39	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	5685	38-03	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A8820	38-11	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A6663	38-19	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A2056	38-27	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A5293	38-39	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1984	38-47	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2

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Name of Component	System	Name of Mfg.	Mfg. S/N	Entergy or Nat. Brd. No.	MR Number	Year Built	Repaired, Replacement or Replacement	ASME Code Stamped	Description of Work Performed	Test Conducted
Control Rod Drive	CRD	GE	9011	42-47	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	1377	46-11	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2
Control Rod Drive	CRD	GE	A3936	46-19	03116574	---	Replacement	N	Replace CRD and bolting	VT-1 VT-2