



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
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ASME Section XI

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September 2, 1992

BEC0 92-107

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

License DPR-35
Docket 50-293

Inservice Inspection Plan for
Pilgrim Station's 1992 Mid-Cycle Outage

In accordance with ASME Section XI, Winter 1980 Addenda, Article IWA-1400(c), Boston Edison Company submits the Inservice Inspection (ISI) Plan for the 1992 Mid-Cycle Outage (MCO 9) presently scheduled to commence on October 24, 1992.

The ISI examinations listed in the attached plan are scheduled as part of the third period of the Pilgrim Nuclear Power Station Second Ten Year Inspection Interval. Code required examinations to be performed during MCO 9 include nondestructive and visual examinations of safety-related piping welds, attachments, bolting and pipe supports. In addition, augmented ISI examinations scheduled for MCO 9 include the following:

- 9 ultrasonic exams for the detection of intergranular stress corrosion cracking (IGSCC) in accordance with NRC Generic Letter 88-01.
- Ultrasonic and visual examination of 20 Salt Service Water System pipe spools.

No Erosion/Corrosion examinations per Generic Letter 89-08 are scheduled for MCO 9.

R. A. Anderson

Attachment: ISI Plan for 1992 Mid-Cycle Outage
cc: See Page

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U.S. Nuclear Regulatory Commission

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SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.	COMPONENT..... DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LINE NUMBER	LOCATION....	EXAM..	IGSCC...
								METHOD	CATEGORY
14-VB-1400-6B	VALVE BOLTING	B-G-2	B7.70	CS	ISI-1-14-1	10-DCA-14	DRYWELL	VT	
14-VB-1400-9B	VALVE BOLTING	B-G-2	B7.70	CS	ISI-1-14-1	10-DCA-14	DRYWELL	VT-1	
10-VB-1001-33B	VALVE BOLTING	B-G-2	B7.70	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	VT-1	
10-VB-1001-68B	VALVE BOLTING	B-G-2	B7.70	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	VT-1	

14-B-17	PIPE TO PENETRATION	B-J	B9.11	CS	ISI-1-14-1	10-DC-14	BW 111.1	UT45 UT60 PT	IGSCC D
14-B-18	ELBOW TO PIPE	B-J	B9.11	CS	ISI-1-14-1	10-DC-14	BW 111.1	UT45 UT60 PT	IGSCC D
14-B-19	PIPE TO ELBOW	B-J	B9.11	CS	ISI-1-14-1	10-DC-14	BW 111.1	UT45 UT60 PT	IGSCC D
14-B-4	PIPE TO PIPE	B-J	B9.11	CS	ISI-1-14-1	10-DBA-14	DRYWELL	UT45 UT60 MT	
14-B-5	ELBOW TO PIPE	B-J	B9.11	CS	ISI-1-14-1	10-DBA-14	DRYWELL	UT45 UT60 MT	
14-B-7	ELBOW TO PIPE	B-J	B9.11	CS	ISI-1-14-1	10-DBA-14	DRYWELL	UT45 UT60 MT	
14-B-8	ELBOW TO ELBOW	B-J	B9.11	CS	ISI-1-14-1	10-7 14	DRYWELL	UT45 UT60 MT	
14-B-9	PIPE TO ELBOW	B-J	B9.11	CS	ISI-1-14-1	10-DBA-14	DRYWELL	UT45 UT60 MT	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.	COMPONENT DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LINE NUMBER	LOCATION	EXAM. METHOD	IGSCC... CATEGORY
14-B-20	PIPE TO PIPE	B-J	B9.11	CS	ISI-1-14-1	10-DC-14	RB 51'	UT45 UT60 PT	IGSCC D
6-W4A-11	PIPE TO PIPE	B-J	B9.11	FW	ISI-1-6-1	12-DL-6	DRYWELL	MT UT45 UT60	
6-W4D-10	PIPE TO ELBOW	B-J	B9.11	FW	ISI-1-6-1	12-DL-6	DRYWELL	MT UT45 UT60	
6-W4D-8	PIPE TO ELBOW	B-J	B9.11	FW	ISI-1-6-1	12-DL-6	DRYWELL	MT UT45 UT60	
6-W4D-9	ELBOW TO PIPE	B-J	B9.11	FW	ISI-1-6-1	12-DL-6	DRYWELL	MT UT45 UT60	
23-D-14	PIPE TO ELBOW	B-J	B9.11	HPC1	ISI-1-23-1	10-EB-23	DRYWELL	MT UT45 UT60	
1-C-14	VALVE TO PIPE	B-J	B9.11	MS	ISI-1-1-1	20-EB-1	DRYWELL	MT UT45 UT60	
1-C-8	ELBOW TO PIPE	B-J	B9.11	MS	ISI-1-1-1	20-EB-1	DRYWELL	MT UT45 UT60	
1-C-9	PIPE TO ELBOW	B-J	B9.11	MS	ISI-1-1-1	20-EB-1	DRYWELL	MT UT45 UT60	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.,	COMPONENT..... DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LINE NUMBER	LOCATION....	EXAM... METHOD	IGSCC... CATEGORY
1-C-15	FLUED HEAD TO PIPE	B-J	B9.11	NS	ISI-1-1-1	20-EB-1	STEAM TUNNEL	MT UT45 UT60	
10R-18-12	PENETRATION TO ELBOW	B-J	B9.11	RHR	ISI-1-10-1	18-DC/DCA-1 0	DRYWELL	PT UT45 UT60	IGSCC D
10R-18-6	PIPE TO VALVE	B-J	B9.11	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	PT UT45 UT60	IGSCC A
10R-18-7	VALVE TO PIPE	B-J	B9.11	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	PT UT45 UT60	IGSCC A
10R-18-8	PIPE TO VALVE	B-J	B9.11	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	PT UT45 UT60	IGSCC A
10R-18-9	ELBOW TO PIPE	B-J	B9.11	RHR	ISI-1-10-1	18-DCA-10	DRYWELL	PT UT45 UT60	IGSCC A

10-E207B-W3-2	SHELL REINF PLATE	C-C	C3.10	RHR	ISI-1-10-3B	N/A	B RHR QUAD	MT	
10-E207B-W4-2	SHELL REINF PLATE	C-C	C3.10	RHR	ISI-1-10-3B	N/A	B RHR QUAD	MT	
10-E207B-W4-3	NOZZLE REINF PLATE	C-C	C3.10	RHR	ISI-1-10-3B	N/A	B RHR QUAD	MT	

GB-10-12HL1(4)	SUPPORT LOGS	C-C	C3.40	RHR	ISI-1-10-4B	18-GB-10	TORUS ROOM	MT	
HL-10-79PS	PIPE STANCHION	C-C	C3.40	RHR	ISI-1-10-5B	12-HL-10	TORUS ROOM	MT	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.,	COMPONENT..... DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LINE NUMBER	LOCATION....	EXAM... METHOD	IGSCC... CATEGORY
GB-14-F40	PUMP TO PIPE	C-F	C5.11	CS	ISI-1-14-2B	10-GB-14	B RHR QUAD	MT	
HD-14-F19	VALVE TO ELBOW	C-F	C5.11	CS	ISI-1-14-2B	18-HD-14	B RHR QUAD	MT	
HD-14-F20	FLANGE TO PUMP	C-F	C5.11	CS	ISI-1-14-2B	18-HD-14	B RHR QUAD	MT	
HL-14-F14	NOZZLE TO PIPE	C-F	C5.11	CS	ISI-1-14-2B	18-HL-14	TORUS ROOM	MT	
HL-23-F28	PIPE TO FLANGE	C-F	C5.11	HPCI	ISI-1-23-3	24-HL-23	HPCI ROOM	MT	
HL-23-F69	REDUCER TO PIPE	C-F	C5.11	HPCI	ISI-1-23-3	24-HL-23	HPCI ROOM	MT	
HD-23-3-60	PIPE TO FLANGE	C-F	C5.11	HPCI	ISI-1-23-4	16-HD-23	HPCI ROOM	MT	
HL-23-1-3B	ELBOW TO PIPE	C-F	C5.11	HPCI	ISI-1-23-4	16-HL-23	TORUS ROOM	MT	
HL-23-F22	NOZZLE TO PIPE	C-F	C5.11	HPCI	ISI-1-23-4	16-HL-23	TORUS ROOM	MT	
HD-13-F35	PIPE TO VALVE	C-F	C5.11	RCIC	ISI-1-13-2	6-HD-13	RCIC QUAD	MT	
HB-13-2-1A	FLANGE TO ELBOW	C-F	C5.11	RCIC	ISI-1-13-3	8-HB-13	RCIC QUAD	MT	
HB-13-2-1C	TEE TO PIPE	C-F	C5.11	RCIC	ISI-1-13-3	8-HB-13	RCIC QUAD	MT	
HL-13-F33	PIPE TO PIPE	C-F	C5.11	RCIC	ISI-1-13-3	8-HL-13	RCIC QUAD	MT	
GB-10-13-4B	PIPE TO WELD-O-LET	C-F	C5.11	RHR	ISI-1-10-3B	12-GB-10	B RHR QUAD	MT	
GB-10-13-4E	REDUCER TO PIPE	C-F	C5.11	RHR	ISI-1-10-3B	18-GB-10	B RHR QUAD	MT	
GB-10-13-4F	PIPE TO REDUCER	C-F	C5.11	RHR	ISI-1-10-3B	16-GB-10	B RHR QUAD	MT	
GB-10-F164	ELBOW TO VALVE	C-F	C5.11	RHR	ISI-1-10-3B	12-GB-10	B RHR QUAD	MT	
GB-10-F179	VALVE TO PIPE	C-F	C5.11	RHR	ISI-1-10-4B	18-GB-10	CRD QUAD	MT	
GB-10-F23	ELBOW TO PIPE	C-F	C5.11	RHR	ISI-1-10-4B	18-GB-10	CRD QUAD	MT	
GB-10-9-1C	ELBOW TO PIPE	C-F	C5.11	RHR	ISI-1-10-4B	18-GB-10	TORUS ROOM	MT	
GB-10-F17	WELDOLET	C-F	C5.11	RHR	ISI-1-10-4B	18-GB-10	TORUS ROOM	MT	
GB-10-F17	PIPE TO ELBOW	C-F	C5.11	RHR	ISI-1-10-4B	18-GB-10	TORUS ROOM	MT	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.,	COMPONENT..... DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LINE NUMBER	LOCATION....	EXAM... METHOD	IGSCC... CATEGORY
GB-10-F24	PIPE TO ELBOW	C-F	C5.11	RHR	ISI-1-10-4B/5 B	12-GB-10	TORUS ROOM	MT	
GB-10-F153R	PIPE TO VALVE	C-F	C5.11	RHR	ISI-1-10-5B	12-GB-10	B RHR QUAD	MT	
GB-10-F329	WELDOLET TO PIPE	C-F	C5.11	RHR	ISI-1-10-5B	12-GB-10	B RHR QUAD	MT	
HL-10-9-2C	WELDOLET	C-F	C5.11	RKS	ISI-1-10-5B	6-HL-10	B RHR QUAD	MT	
HL-10-F75	VALVE TO ELBOW	C-F	C5.11	RHR	ISI-1-10-5B	6-HL-10	B RHR QUAD	MT	
HL-10-F79	ELBOW TO PIPE	C-F	C5.11	RHR	ISI-1-10-5B	12-HL-10	B RHR QUAD	MT	
HL-10-F73	PIPE TO NOZZLE	C-F	C5.11	RHR	ISI-1-10-5B	6-HL-10	TORUS ROOM	MT	
HL-10-F76	ELBOW TO NOZZLE	C-F	C5.1	RHR	ISI-1-10-5B	16-H8B-10	TORUS ROOM	MT	

H-14-1-X16B	ANCHOR	F-B	F(1-3)	CS	ISI-1-14-1	10-DC-14	BW 111.1 EL5 1'	VT-3	
H-14-1-12	RIGID HANGER	F-B	F(1-3)	CS	ISI-1-14-2B	18-HD-14	B RHR QUAD	VT-3	
H-14-1-13	RIGID HANGER	F-B	F(1-3)	CS	ISI-1-14-2B	18-HD-14	B RHR QUAD	VT-3	
H-14-1-27S	LATERAL RESTRAINT	F-B	F(1-3)	CS	ISI-1-14-2B	18-HD-14	B RHR QUAD	VT-3	
H-14-1-1221	LATERAL RESTRAINT	F-B	F(1-3)	CS	ISI-1-14-2B	10-GB-14	RB 51'	VT-3	
H-14-1-10	RIGID HANGER	F-B	F(1-3)	CS	ISI-1-14-2B	10-GB-14	TORUS ROOM	VT-3	
H-14-1-29S	LATERAL RESTRAINT	F-B	F(1-3)	CS	ISI-1-14-2B	18-HL-14	TORUS ROOM	VT-3	
H-14-1-145A	ANCHOR	F-A	F(1-3)	CS	ISI-1-14-2B	10-GB-14	WEST CRD	VT-3	
H-30-1-9SR	GUIDE	F-A	F(1-3)	RBCW	ISI-1-30-1	12-HE-30	A AUX BAY	VT-3	
H-30-1-43	RIGID HANGER	F-B	F(1-3)	RBCCW	ISI-1-30-1	12-HE-30	B RHR QUAD	VT-3	
H-30-1-44	RIGID HANGER	F-B	F(1-3)	RBCCW	ISI-1-30-1	12-HE-30	B RHR QUAD	VT-3	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT PILGRIM NUCLEAR POWER STATION

COMPONENT ID NO.	COMPONENT DESCRIPTION	CATEGORY	ITEM NO.	SYSTEM	ISOMETRIC NO.	LINE NUMBER	LOCATION	EXAM. METHOD	IGSCC CATEGORY
H-10-1-X51B	ANCHOR	F-B	F(1-3)	RHR	ISI-1-10-1	18-DC-10	B RHR VV RM	VT-3	
H-10-1-54	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-2B	18-HL-10	TORUS ROOM	VT-3	
H-10-1-94S	RESTRAINT	F-B	F(1-3)	RHR	ISI-1-10-3B	16-GB-10	B RHR QUAD	VT-3	
H-10-1-96S	GUIDE	F-B	F(1-3)	RHR	ISI-1-10-3B	18-GB-10	B RHR QUAD	VT-3	
H-10-1-97S	RIGID HANGER	F-C	F(1-3)	RHR	ISI-1-10-3B	18-GB-10	B RHR QUAD	VT-3	
H-10-1-113S	LATERAL RESTRAINT	F-B	F(1-3)	RHR	ISI-1-10-4B	18-GB-10	CRD QUAD	VT-3	
H-10-1-81	RIGID HANGER	F-C	F(1-3)	RHR	ISI-1-10-4B	18-GB-10	TORUS ROOM	VT-3	
H-10-1-106	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	6-HL-10	B RHR QUAD	VT-3	
H-10-1-107	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	12-GB-10	B RHR QUAD	VT-3	
H-10-1-40SA	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	12-GB-10	B RHR QUAD	VT-3	
H-10-1-101S	RIGID HANGER	F-C	F(1-3)	RHR	ISI-1-10-5B	10-GB-10	TORUS ROOM	VT-3	
H-10-1-102S	LATERAL RESTRAINT	F-C	F(1-3)	RHR	ISI-1-10-5B	10-GB-10	TORUS ROOM	VT-3	
H-10-1-103S	RIGID HANGER	F-C	F(1-3)	RHR	ISI-1-10-5B	10-GB-10	TORUS ROOM	VT-3	
H-10-1-133B	GUIDE	F-C	F(1-3)	RHR	ISI-1-10-5B	10-GB-10	TORUS ROOM	VT-3	
H-10-1-75	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	12-HL-10	TORUS ROOM	VT-3	
H-10-1-76	RIGID HANGER	F-C	F(1-3)	RHR	ISI-1-10-5B	12-HL-10	TORUS ROOM	VT-3	
H-10-1-77	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	12-HL-10	TORUS ROOM	VT-3	
H-10-1-89	RIGID HANGER	F-B	F(1-3)	RHR	ISI-1-10-5B	12-GB-10	TORUS ROOM	VT-3	
H-10-1-AB474	ANCHOR	F-B	F(1-3)	RHR	ISI-1-10-5B	12-HL-10	TORUS ROOM	VT-3	
H-29-1-12	RIGID HANGER	F-B	F(1-3)	SSW	ISI-1-29-1	22-JF-29	B AUX BAY	VT-3	
H-29-1-106S	GUIDE	F-B	F(1-3)	SSW	ISI-1-29-1	12-JF-29	SCREEN HS	VT-3	
H-29-1-23	RIGID HANGER	F-B	F(1-3)	SSW	ISI-1-29-1	22-JF-29	SCREEN HS	VT-3	

SCHEDULED INSERVICE EXAMINATIONS FOR 1992 MIDCYCLE OUTAGE 9
AT P1' 21M NUCLEAR POWER STATION

COMPONENT ID NO.,	COMPONENT.....	CATEGORY	ITEM NO.	SYSTEM ID	ISOMETRIC NO.	LMP NUMBER	LOCATION....	EXAM..	IGSC...
	DESCRIPTION							METHOD	CATEGORY

H-14-1-42	SPRING HANGER	F-C	F(1-4)	CS	151-1-14-1	10-DCA-14	DRYWELL	VT-3	VT-4
H-14-1-43	SPRING HANGER	F-C	F(1-4)	CS	151-1-14-1	10-DBA-14	DRYWELL	VT-3	VT-4
H-14-1-31	SPRING HANGER	F-C	F(1-4)	CS	151-1-14-2B	10-GB-14	WEST CRD	VT-3	VT-4
H-10-1-28SH	SPRING HANGER	F-C	F(1-4)	RHR	151-1-10-2B	18-HB-10	B RHR QUAD	VT-3	VT-4
H-10-1-98S	SNUBBER	F-C	F(1-4)	RHR	151-1-10-5B	18-GB-10	B RHR QUAD	VT-3	VT-4
H-10-1-179	SPRING HANGER	F-C	F(1-4)	RHR	151-1-10-4B	18-GB-10	TORUS ROOM	VT-3	VT-4
