



Boston Edison

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

E. T. Boulette, PhD
Senior Vice President — Nuclear

September 14, 1994

BECo Ltr. #94-104

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

Docket No. 50-293
License No. DPR-35

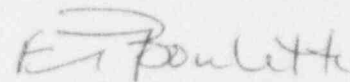
Inservice Inspection Plan for
Pilgrim Station's 1994 Mid-Cycle Outage

In accordance with ASME Section XI, Winter 1980 Agenda, Article IWA-1400(c), Boston Edison Company submits the Inservice Inspection (ISI) Plan for the 1994 Mid-Cycle Outage (MCO10).

The ISI examinations listed in the enclosed 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 10 include nondestructive and visual examinations on safety-related piping welds, attachments, bolting and pipe supports.

In addition, augmented ISI examinations scheduled for MCO 10 include the following:

- 9 exams for the detection of intergranular stress corrosion cracking (IGSCC) in accordance with NRC Generic Letter 88-01.
- Ultrasonic and visual examination of Salt Service Water piping in accordance with BECo specification M-591, including a pipe crawler visual inspection of buried "B" loop discharge pipe.


E. T. Boulette, PhD

ETB/GGW/Rap94/nas/94ISI

Enclosure A: ISI Plan for PNPS 1994 Mid-Cycle Outage #10

cc: See next page

9409230157 940914
PDR ADOCK 05000293
PDR

AC47

cc: Mr. R. Eaton, Project Manager
Division of Reactor Projects - I/II
Mail Stop: 14D1
U. S. Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, MD 20852

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Senior Resident Inspector
Pilgrim Nuclear Power Station

Mr. John McCabe
Acting Manager of Engineering
Department of Public Safety
1 Ashburton Place
Room 1301
Boston, MA 02108

Mr. V. Iyer
Authorized Nuclear Inservice Inspector
PNPS

Factory Mutual Engineering
Mr. Kevin McTague
Authorized Nuclear Inservice Inspection Supervisor
(ANIIS)
Boston District Office
1151 Boston-Providence Turnpike
Norwood, MA 02062

ENCLOSURE (A)

INSERVICE INSPECTION PLAN FOR PNPS 1994 MID CYCLE OUTAGE # 10

| COMPONENT | DESCRIPTION | CODE ITEM | SYSTEM | EXAM | ON LINE |
|----------------|----------------------|-----------|--------|-------|---------|
| 6-A-6HL1(4) | SUPPORT LUG | B10.10 | FW | MT | N |
| 6-N4A-5HL1(4) | SUPPORT LUG | B10.10 | FW | MT | N |
| 6-N4B-5HL1(4) | SUPPORT LUG | B10.10 | FW | MT | N |
| 1-B-8HL2(8) | SUPPORT LUG | B10.10 | MS | MT | N |
| 1-C-4HL1(4) | SUPPORT LUG | B10.10 | MS | MT | N |
| 1-D-4HL1(4) | SUPPORT LUG | B10.10 | MS | MT | N |
| 14-A-5 | ELBOW TO PIPE | B9.11 | CS | MT UT | N |
| 14-A-7 | ELBOW TO PIPE | B9.11 | CS | MT UT | N |
| 14-B-10 | PIPE TO ELBOW | B9.11 | CS | MT UT | N |
| 14-B-5 | ELBOW TO PIPE | B9.11 | CS | MT UT | N |
| 14-B-7 | ELBOW TO PIPE | B9.11 | CS | MT UT | N |
| 14R-B-16 | PENETRATION TO ELB. | B9.11 | CS | UT | N |
| 14R-B-21A | PIPE TO PIPE | B9.11 | CS | UT | N |
| 1-D-14 | VALVE TO PIPE | B9.11 | MS | MT UT | N |
| 1-D-15 | FLUED HEAD TO PIPE | B9.11 | MS | MT UT | N |
| 10R-IB-1 | PIPE TO TEE | B9.11 | RHR | PT UT | N |
| 10R-IB-2 | ELBOW TO PIPE | B9.11 | RHR | PT UT | N |
| 10R-IB-3 | PIPE TO ELBOW | B9.11 | RHR | PT UT | N |
| GB-14-22HL1(4) | SUPPORT LUGS | C3.40 | CS | MT | Y |
| DB-23-51HL1(4) | SUPPORT LUGS | C3.40 | HPCI | MT | Y |
| GB-10-19HL1(4) | SUPPORT LUGS | C3.40 | RHR | MT | Y |
| 3-WSD-17 | PIPE TO PIPE | C5.11 | CRD | MT | Y |
| 3-WSD-21 | PIPE TO REDUCER ELB. | C5.11 | CRD | MT | Y |
| GB-14-1-1C | ELBOW TO PIPE | C5.11 | CS | MT | Y |
| GB-14-1-1D | PIPE TO ELBOW | C5.11 | CS | MT | Y |
| GB-14-3-4D | PIPE TO WELDOLET | C5.11 | CS | MT | Y |
| GB-14-3-4E | REDUCER TO PIPE | C5.11 | CS | MT | Y |
| GB-14-F2 | ELBOW TO PIPE | C5.11 | CS | MT | Y |
| GB-14-F34 | PIPE TO VALVE | C5.11 | CS | MT | Y |
| GB-14-F38 | VALVE TO PIPE | C5.11 | CS | MT | Y |
| GB-14-F39 | PIPE TO VALVE | C5.11 | CS | MT | Y |
| GB-14-F3A | PIPE TO PIPE | C5.11 | CS | MT | Y |
| HD-14-2-1G | PIPE TO FLANGE | C5.11 | CS | MT | Y |
| HL-14-F11 | PIPE TO VALVE | C5.11 | CS | MT | Y |
| GB-10-9-4A-B | ELBOW TO PIPE | C5.11 | RHR | MT | Y |
| GB-10-9-4C-C | PIPE TO ELBOW | C5.11 | RHR | MT | Y |
| GB-10-10-2C | TEE TO ELBOW | C5.11 | RHR | MT | N |
| GB-10-10-2E | TEE TO PIPE | C5.11 | RHR | MT | N |
| GB-10-12-2D | WELDOLET TO PIPE | C5.11 | RHR | MT | Y |
| GB-10-2-1A-D | ELBOW TO ELBOW | C5.11 | RHR | MT | N |
| GB-10-F29 | ELBOW TO PIPE | C5.11 | RHR | MT | N |

| COMPONENT | DESCRIPTION | CODE ITEM | SYSTEM | EXAM | ON LINE |
|-------------------|-------------------|-----------|--------|------|---------|
| GB-10-F30 | ELBOW TO PIPE | C5.11 | RHR | MT | N |
| GB-10-F32 | ELBOW TO PIPE | C5.11 | RHR | MT | N |
| GB-10-F59A | PIPE TO VALVE | C5.11 | RHR | MT | N |
| GL-10-F61 | VALVE TO WELDOLET | C5.11 | RHR | MT | N |
| HL-10-1-1B | ELBOW TO PIPE | C5.11 | RHR | MT | Y |
| DB/DC-14-3001-4-1 | PIPE TO PIPE | C5.21 | CS | UT | N |
| H-3-1-15 | RIGID SUPPORT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-16 | RIGID SUPPORT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-17 | RIGID SUPPORT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-29 | STRUT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-30 | RESTRAINT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-41 | STRUT | F(1-3) | CRD | VT-3 | Y |
| H-3-1-47 | RESTRAINT | F(1-3) | CRD | VT-3 | Y |
| H-14-1-33 | RIGID HANGER | F(1-3) | CS | VT-3 | Y |
| H-14-1-55 | RIGID HANGER | F(1-3) | CS | VT-3 | Y |
| H-14-1-9 | RIGID HANGER | F(1-3) | CS | VT-3 | Y |
| H-23-1-28S | RIGID HANGER | F(1-3) | HPCI | VT-3 | N |
| H-23-1-7 | RIGID HANGER | F(1-3) | HPCI | VT-3 | N |
| H-23-1-16 | RIGID HANGER | F(1-3) | HPCI | VT-3 | Y |
| H-23-1-17 | RIGID HANGER | F(1-3) | HPCI | VT-3 | Y |
| H-26-1-135 | RIGID HANGER | F(1-3) | HPCI | VT-3 | N |
| H-23-1-3 | RIGID HANGER | F(1-3) | HPCI | VT-3 | Y |
| H-1-1-23 | RIGID HANGER | F(1-3) | MS | VT-3 | N |
| H-1-1-37 | RIGID HANGER | F(1-3) | MS | VT-3 | N |
| H-30-1-32SH | RIGID HANGER | F(1-3) | RBCCW | VT-3 | Y |
| H-30-1-33SR | RIGID HANGER | F(1-3) | RBCCW | VT-3 | Y |
| H-30-1-53 | RIGID HANGER | F(1-3) | RBCCW | VT-3 | N |
| H-30-1-54 | RIGID HANGER | F(1-3) | RBCCW | VT-3 | N |
| H-30-1-58 | RIGID HANGER | F(1-3) | RBCCW | VT-3 | Y |
| H-26-1-1 | RIGID HANGER | F(1-3) | RCIC | VT-3 | Y |
| H-26-1-2 | GUIDE | F(1-3) | RCIC | VT-3 | Y |
| H-26-1-3 | RIGID HANGER | F(1-3) | RCIC | VT-3 | Y |
| H-26-1-4 | GUIDE | F(1-3) | RCIC | VT-3 | Y |
| H-26-1-5 | GUIDE | F(1-3) | RCIC | VT-3 | Y |
| H-26-1-6 | GUIDE | F(1-3) | RCIC | VT-3 | Y |
| H-10-1-56 | RIGID SUPPORT | F(1-3) | RHR | VT-3 | Y |
| H-10-1-SG17 | LATERAL RESTRAINT | F(1-3) | RHR | VT-3 | Y |
| H-10-1-30SR | LATERAL RESTRAINT | F(1-3) | RHR | VT-3 | Y |
| H-10-1-55 | RIGID SUPPORT | F(1-3) | RHR | VT-3 | Y |
| H-10-1-99S | LATERAL RESTRAINT | F(1-3) | RHR | VT-3 | Y |
| H-10-1-108S | LATERAL RESTRAINT | F(1-3) | RHR | VT-3 | N |
| H-10-1-107S | RIGID HANGER | F(1-3) | RHR | VT-3 | N |
| H-10-1-11 | RIGID HANGER | F(1-3) | RHR | VT-3 | N |

| COMPONENT | DESCRIPTION | CODE ITEM | SYSTEM | EXAM | ON LINE |
|-------------|-------------------|-----------|--------|--------|---------|
| H-10-1-105S | LATERAL RESTRAINT | F(1-3) | RHR | VT-3 | N |
| H-29-1-15 | RIGID HANGER | F(1-3) | SSW | VT-3 | N |
| H-29-1-21 | RIGID HANGER | F(1-3) | SSW | VT-3 | N |
| H-29-1-24 | RIGID HANGER | F(1-3) | SSW | VT-3 | N |
| H-6-1-101 | SPRING HANGER | F(1-4) | FW | VT-3/4 | N |
| H-6-1-105 | SPRING HANGER | F(1-4) | FW | VT-3/4 | N |
| H-6-1-107 | SPRING HANGER | F(1-4) | FW | VT-3/4 | N |
| H-6-1-SS-1 | SNUBBER | F(1-4) | FW | VT-3/4 | N |
| H-6-1-SS-7 | SNUBBER | F(1-4) | FW | VT-3/4 | N |
| H-6-1-SS-9 | SNUBBER | F(1-4) | FW | VT-3/4 | N |
| H-23-1-11 | SPRING HANGER | F(1-4) | HPCI | VT-3/4 | N |
| H-23-1-6 | SPRING HANGER | F(1-4) | HPCI | VT-3/4 | N |
| H-23-1-8 | SPRING HANGER | F(1-4) | HPCI | VT-3/4 | N |
| H-23-1-9 | SPRING HANGER | F(1-4) | HPCI | VT-3/4 | N |
| H-23-1-15SS | SNUBBER | F(1-4) | HPCI | VT-3/4 | N |
| H-1-1-HA4 | SPRING HANGER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-HC1 | SPRING HANGER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-HC3 | SPRING HANGER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-HD1 | SPRING HANGER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-HD4 | SPRING HANGER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-SA2 | SNUBBER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-SB1 | SNUBBER | F(1-4) | MS | VT-3/4 | N |
| H-1-1-SB2 | SNUBBER | F(1-4) | MS | VT-3/4 | N |
| H-30-1-104 | RIGID HANGER | F(1-4) | RBCCW | VT-3 | Y |
| H-30-1-46 | RIGID HANGER | F(1-4) | RBCCW | VT-3 | Y |
| H-10-1-170 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |
| H-10-1-172 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |
| H-10-1-92S | SPRING HANGER | F(1-4) | RHR | VT-3/4 | Y |
| H-10-1-12 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |
| H-10-1-18 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |
| H-10-1-LT1 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |
| H-10-1-LT2 | SPRING HANGER | F(1-4) | RHR | VT-3/4 | N |

RAP/rcf