

REPORTABLE PILGRIM NUCLEAR POWER STATION

MODIFICATIONS IMPLEMENTED BETWEEN

JULY 1, 1980 AND JUNE 30, 1981

The following are modifications to the Pilgrim Nuclear Power Station Unit #1 as described in the Safety Analysis Report which were implemented between July 1, 1980 and June 30, 1981, under the authorization of 10CFR50.59(a). In the safety evaluations provided prior to the modifications, a statement to the effect that a modification does not involve an unreviewed safety question indicates that the modification was reviewed and it was determined that:

1. The modification would not increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the safety analysis report.
2. The modification would not create a possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report; and
3. The modification would not reduce the margin of safety as defined in the basis for any Technical Specification.

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#### PDCR 77-66 RELOCATION OF TORUS LOW WATER LEVEL SWITCHES

This change provided for relocating the low water level switches on the torus to a position such that they were not in constant alarm. This was necessitated due to a change in the maximum/minimum water inventory requirements.

Ref; FSAR 5.2.3.10

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 78-T-01 RELOCATION OF FEEDWATER HEATER LEVEL CONTROLS (LT-3115/LT-3215) AND (LS-3117/LS-3217)

This change involved repositioning the level transmitters and switches associated with the fifth point feedwater heaters to clear the continuous high level alarms, and reduce the risk of turbine water induction in case of heater tube failures.

Ref; FSAR Section 7.10

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-01 345KV LINE WATT-HOUR METERS

This change provided for installation of two (2) watt hour meters for each 345KV line (#342 and #355) on a new panel in the switchyard relay house.

Ref; FSAR Section 1.6.15

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-02 FIRE DETECTION WIRING

This change provided for converting the existing fire detection instrumentation to a wholly supervised one to waive the requirement of Section 4.12(A).2 of the fire protection technical specification.

Ref; FSAR Section 10.8.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-03A.4 FIRE PROTECTION FEEDWATER PUMP FIRE BARRIERS

This change provided for installing non-combustible shields between feed pumps, to prevent a lube oil break from one feed pump, from reaching the motor of the other pump.

Ref; FSAR Section 11.8.3.3

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-03B.1 VENTILATION MODIFICATION FOR SMOKE VENTING

Modification of the radwaste exhaust duct to install an access door to vent smoke from the fan room 1 area by means of existing duct work to the building vent.

Ref; FSAR Section 10.9.3.5

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-03C.1 FIRE PROTECTION RETARDANT COATING OF CABLE

This modification provided for the application of a fire retardant coating to selected cable trays, to reduce the possibility of fire from propagating to or from the protected trays.

Ref; FSAR Section 10.8.3.3

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-04 FIRE DETECTION CIRCUITRY

This change provided for the conversion of the smoke detector instrumentation panel C115 to a supervised circuit to waive the requirements of Section 4.12(a).2 of the fire protection technical specification.

Ref; FSAR Section 10.8.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-05 ADS SOLENOID SPLICES

This PDCR provides for the implementation of approved splices in place of existing ADS solenoid splices for SV203-3A, 3B, 3C and 3D, resulting from IE Bulletin 79-01 evaluation

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08B.2 SPRINKLER SYSTEM VALVES AND FITTINGS

The existing interior water supply main was modified by the installation of five valves and two fittings, to provide means of mechanically attaching new automatic sprinkler systems.

Ref; FSAR Section 10.8.3.1, Figure 10.8.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08B.3 HOSE STATION INSTALLATION

Nine new hand hose stations were installed, and the supply pipes for four existing hose stations were re-routed to ensure that every area can be reached with at least one hand hose stream.

Ref; FSAR Section 10.8.3.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08B.5 AUTOMATIC SPRINKLER SYSTEM FOR ACCESS CONTROL/LUNCHROOM

This change provided for installation of a new sprinkler system for the access control/lunchroom area.

Ref; FSAR Section 10.8.3.1, Figure 10.8.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08B.6 EXPANSION OF HYDROGEN SEAL OIL AREA SPRINKLER

To provide for the extension of the sprinkler system in the hydrogen seal supply oil area, six new sprinkler heads and water supply piping were installed below the iso-phase bus air ducts.

Ref; FSAR Section 10.8.3.1, Figure 10.8.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08B.8 AUTOMATIC SPRINKLER/TURBINE LUBE OIL STORAGE ROOM

This change provided for installation of an automatic sprinkler system in the turbine lube oil storage room consisting of eight sprinkler heads, and associated water supply piping installed at the ceiling level.

Ref; FSAR Figure 10.8.1, Section 10.8.3.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08C.1 INSTALLATION OF PHOTOELECTRIC AND IONIZATION DETECTORS IN RHR, HPCI AND RCIC QUADRANTS IN THE REACTOR BUILDING

This change provided for installation of nineteen (19) photoelectric detectors, and eleven (11) ionization detectors in the RHR, HPCI and RCIC quadrants to provide an early warning for any type of fire.

Ref; FSAR Section 10.8.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-08C.2 INSTALLATION OF SMOKE DETECTORS IN CONTROL ROOM PANELS

This change provided for installation of seventeen (17) photoelectric smoke detectors on various panels in the control room, to provide early warning of any smoldering or incipient fire that might occur.

Ref; FSAR Section 10.8.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-10 SSW PUMP BUSHINGS

This modification provided for the installation of bronze bushings in the spider bearings of the salt service water pumps, to provide for a tight fitting rubber insert bearing.

Ref; FSAR Section 10.7.4

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-30 OIL SUPPLY FOR SECURITY SYSTEM EMERGENCY DIESEL GENERATOR

This change provided for installation of an additional oil supply storage capacity for the security system emergency diesel generator.

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-35 FUEL SUPPORT GRAPPLE MODIFICATION

This change modified the fuel support grapple in accordance with GE FDI-156 to prevent interference with the core support plate plugs.

Ref; FSAR Section 10.2.4

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-37 CONDENSATE SLUICE LINE FLOW METER

This modification involved the addition of a clamp-on flow meter for the condensate demineralizer sluice line, to monitor the sluicing operation, thereby affecting a more efficient transfer.

Ref; FSAR Section 11.7.3

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 79-53 RECLOSING LOGIC CHANGES FOR 345KV BREAKERS #102 AND #103

This change provided for a the installation of additional relays and wiring changes on the relay panels to accomplish reclosing logic changes for the 345KV breakers #102 and #103.



Ref; FSAR section 1.6.1.5

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-T-05 N<sub>2</sub> SUPPLY PRESSURE ALARM INSTALLATION

This change involved a modification to install a new pressure switch to annunciate the nitrogen supply pressure alarm in the control room on a high or low pressure situation.

Ref; FSAR Section 5.2.3.8

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-20 INSTALLATION OF SOLID STATE CORE MEMORY IN PROCESS COMPUTER

This modification provided for replacement of the process computer drum memory, with a solid state core memory module to increase computer reliability and performance.

Ref; FSAR Section 7.16.4.1.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-21 CONTAINMENT ISOLATION BYPASS AND POST LOCA NITROGEN PURGE

This modification provided for installation of a containment purge (vent) exhaust bypass and nitrogen purge supply capability.

Ref; FSAR Section 5.2.3.8

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-22 RELOCATION OF EMERGENCY DIESEL GENERATOR COOLING WATER SYSTEM EXPANSION TANKS

This change provided for relocation of the EDG jacket cooling water system expansion tanks, plus the addition of remote fill capabilities for the relocated tanks, and the installation of float type air vents.

Ref; FSAR Section 1.6.1.5

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-23 MODIFICATION OF YARWAY SECONDARY INDICATORS

This change involved modification of the Yarway AC secondary indicators with a DC conversion kit to provide increased reliability.

Ref; FSAR Section 7.8.5.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-25 RESETTING OF SPRING HANGERS PER IE BULLETIN 79-14

This change involved modifications to existing supports on Category I piping systems in accordance with IE Bulletin 79-14.

Ref; FSAR Section 2.5.3 and 12.2.3.5

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-28 CAPPING BEARING LUBE LINES SSW P208 A thru E

This modification provided for the draining and capping of two (2) three inch lines to change the as-built configuration to that which was used in Bechtel's seismic analysis.

Ref; FSAR Section 10.7.7

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-33/PDCR 81-13 MODIFICATION OF CONTAINMENT PURGE AND VENT VALVES

This change provides for the installation of stops in the purge and vent isolation valves to limit them from opening more than 45°.

Ref; FSAR Section 5.2.3.6

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-48 CRD SCRAM DISCHARGE HEADER VACUUM BREAKERS

This modification involved the addition of vacuum breaker valves to the 6-inch scram discharge headers, to assure that a vacuum is not formed in the headers which will prevent them from draining.

Ref; FSAR Section 3.4.5.3.1, Figures 3.4-7, 3.4-8 and 3.4-10

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-41 GUARDHOUSE DIESEL GENERATOR TRANSFER SWITCH

This change modified the diesel generator transfer switch to incorporate a fixed five minute cooldown capability, to prevent damage to the diesels turbocharger; plus a remote shutdown capability.

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-47 REPLACE SNUBBERS ON HPCI EXHAUST LINE

This change provided for the replacement of snubbers H23-1-12SS, H23-1-13SS and H23-1-14SS (3KIP capacity) with snubbers of 20 KIP capacity, to better control movement of the discharge line.

Ref; FSAR Section 2.5.3

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a). This involves a future change to the technical specification.

PDCR 80-51 REPLACEMENT OF REACTOR WATER CLEANUP HOLDING PUMPS

This change provided for replacement of RWCU holding pumps P211 A&B with two replacement pumps of the same manufacturer and of similar design.

Ref; FSAR Section 4.9.3, Figure 4.9-3

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-56 SCRAM DISCHARGE HEADER LEVEL MONITORING

This modification provided for the installation of four ultrasonic level monitors (two in each scram discharge header SDV) to detect the presence of water.

Ref; FSAR Section 3.4.5.3.1, Figures, 3.4-7, 3.4-8 and 3.4-10

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-66 COMPUTERIZATION ON SCRAM DISCHARGE VOLUME TANK NOT DRAINED ANNUNCIATOR

The purpose of this change was to comply with IE Bulletin 80-17, and involved the modification of the annunciation circuit for level switch LS-302-82F, so that it will be monitored by both the annunciator and the plant computer.

Ref; FSAR Section 3.4.5.3.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR 80-67 RELOCATE NOVA-3 MET. TOWER COMPUTER FROM CONTROL ROOM TO EOF

This change provided for relocation of the NOVA 3 computer from the control room to the HP headquarters trailer of the Emergency Operations Facility (EOF).

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.



#### PDCR 81-02 FEEDWATER HEATER (E-102B) BYPASS PIPING MODIFICATION

Modification involved the installation of the feedwater heater bypass piping and valving in the condensate and feedwater system, to provide a means for isolating feedwater heater E-102B without having to isolate the entire feedwater heater "B train" system.

Ref; FSAR Section 11.8.3.2, Figure 11.8.1

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 81-06A AUTO AIR-DUMP SYSTEM MANIFOLD

This change involved the installation of a manifold capable of accepting an automatic air dump system to vent the scram air header in the event of low scram outlet valve operating pressure.

Ref; FSAR Section 3.4.5.3.1, Figure 3.4.8

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a). This change required a modification to the PNPS license.

#### PDCR 81-06B INDEPENDENT AIR DUMP SYSTEM FOR THE SCRAM VALVE AIR HEADER

This change provided for installation of a pneumatic system to independently depressurize (vent) the scram pilot valve air header in the event of sustained low air pressure.

Ref; FSAR Section 3.4.5.3.1, Figure 3.4.8

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a). This change required a modification to the PNPS license.

#### PDCR 81-07 REPLACEMENT OF MAIN STEAM ISOLATION VALVE TO RCIC TURBINE (MO-1301-16)

This change involved a changeout of main steam isolation valve to RCIC turbine MO-1301-16 from a Velan to Westinghouse type valve.

Ref; FSAR Section 4.7.5

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

#### PDCR 81-30 STANDBY GAS TREATMENT ROOM - ADDITION OF SHIELDING STRUCTURES FOR MOTORS

This change involved construction of two lead shielding structures to provide motor protection from radiation dose levels following a design basis accident in the Standby Gas Treatment Room.

Ref; FSAR Section 12.3.1.2

This change does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

The following PDCRs (79-24 series), modified hangers and supports in various locations, in response to IE Bulletin 79-14.

Ref; FSAR Section 2.5.3 and 12.2.3.5.2

These changes do not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

PDCR NO.

HANGER/MARK NO.

79-24

H30-1-41SR  
H30-1-42SR  
H30-1-44SG

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24A.1	H30-1-297 H30-1-318 H30-1-305 H30-1-326	79-24D.1	H14-1-36 H14-1-5SR
79-24A.2	H30-1-30SA H30-1-28SR	79-24D.2	H14-1-38 H14-1-22
79-24A.3	H30-1-32SH H30-1-99	79-24D.3	H14-1-20S H14-1-39
79-24A.4	H30-1-111 H30-1-441	79-24D.4	H14-1-12
79-24A.5	H30-1-34SR	79-24D.5	H14-1-26S
79-24A.6	H30-1-43SH H30-1-306	79-24E.	H23-1-18 H23-1-17
79-24A.7	H30-1-440	79-24E.2	H23-1-28
79-24A.8	H30-1-115	79-24E.3	H23-1-7
79-24A.9	H30-1-61 H30-1-439 H30-1-437	79-24E.4	H23-1-4SR
79-24A.10	H30-1-124	79-24F.1	H13-1-29 H13-1-31
79-24B.	H29-1-862	79-24F.2	H26-1-1 H26-1-5 H26-1-6
79-24B.1	H29-1-863	79-24G.1	H26-1-73 H26-1-72 H10-1-136 H10-1-55SR
79-24B.2	H29-1-12 H29-1-17	79-24G.2	H10-1-142 H10-1-140
79-24B.3	H29-1-23 H29-1-19	79-24G.3	H26-1-71 H10-1-91 H10-1-131 H10-1-97
79-24B.4	H29-1-38	79-24G.4	H10-1-48SH H10-1-93 H10-1-180 H10-1-82SH H10-1-54SH
79-24B.5	H29-1-1321 H29-1-1333	79-24G.5	H10-1-94 H10-1-51SR
79-24C.1	H30-1-891 H30-1-79 H30-1-76 H30-1-82 H30-1-94	79-24G.6	H10-1-39SG
79-24C.2	H30-1-341	79-24G.7	H10-1-35SH H10-1-50SH H10-1-53SH
79-24C.3	H30-1-75		
79-24C.4	H30-1-77		

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24G.8	H10-1-209	79-24K.7	H30-1-6SS H30-1-80 H30-1-92 H30-1-109 H30-1-111SR
79-24G.9	HB-10-SG-17 H26-1-64		
79-24H.1	H9-1-4	79-24K.8	H30-1-140
79-24H.2	H9-1-1	79-24K.9	H30-1-63 H30-1-119 H30-1-467 H30-1-136 H30-1-21SR H30-1-81 H30-1-93 H30-1-103
79-24J.1	HB-10-SG-15 H26-1-65		
79-24J.2	H10-1-110		
79-24J.3	H25-1-63		
79-24J.4	H10-1-99S H14-1-14	79-24K.10	H30-1-467
		79-24K.11	H30-1-59 H30-1-9SR H30-1-140 H30-1-73 H30-1-90
79-24J.5	H10-1-94S H10-1-114		
79-24J.6	H10-1-97S		
79-24J.7	H26-1-66	79-24L.1	H30-1-25
79-24J.8	H10-1-117 H10-1-107	79-24L.2	H10-1-64SR
79-24J.9	H30-1-37SR	79-24L.3	H10-1-81
79-24J.10	H10-1-98S	79-24L.4	H19-1-9SA
79-24K.1	H29-1-4SA	79-24L.5	H10-1-62SA
79-24K.2	H29-1-4 H29-1-1045 H29-1-2	79-24L.6	H30-1-27 H30-1-31 H30-1-30
		79-24L.7	H10-1-44SA H13-1-18 H10-1-101S H10-1-57SA
79-24K.3	H30-1-438		
79-24K.4	H30-1-1224 H30-1-1228 H30-1-1238	79-24L.8	H10-1-106S H10-1-107S
79-24K.5	H26-1-135	79-24L.9	H10-1-120SR
79-24K.6	H30-1-57SA H30-1-63SA H30-1-354 H30-1-366 H30-1-SA1 H30-1-339 H30-1-101SA H30-1-94SA	79-24L.10	H13-1-42
		79-24L.11	H10-1-1240
		79-24L.12	H10-1-1220
		79-24L.13	H10-1-102S H10-1-96

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24L.14	H13-1-13SA H13-1-14SA	79-24M.8	GB-10-SG-22
79-24L.15	H10-1-109S	79-24M.9	H14-1-28
79-24L.16	H10-1-42SH	79-24M.10	H14-1-24S
79-24L.17	H26-1-1266 H30-1-40 H30-1-41	79-24M.11	H10-1-88SR
79-24L.18	H10-1-111S H30-1-39	79-24M.12	H14-1-2SG H10-1-86SR
79-24L.19	H23-1-3	79-24M.13	GB-10-SR-24 H10-1-155
79-24L.20	H30-1-117SR H10-1-10	79-24M.14	H10-1-84SA
79-24L.21	H23-1-16S H23-1-10	79-24N.1	HE-30-SR-10 H30-1-392
79-24L.23	H10-1-1338	79-24N.2	H30-1-288 H30-1-68SG H30-1-359 H30-1-371 H30-1-310 H30-1-330
79-24L.24	H13-1-1332	79-24N.3	H30-1-286 H30-1-66SS H30-1-357 H30-1-369 H30-1-308 H30-1-328
79-24L.25	H10-1-69SG H10-1-71	79-24N.4	H30-1-285 H30-1-346 H30-1-356 H30-1-368 H30-1-307 H30-1-327
79-24M.1	H30-1-134	79-24N.5	H30-1-287 H30-1-67SG H30-1-358 H30-1-370 H30-1-309 H30-1-329
79-24M.2	H14-1-3SA	79-24N.6	H30-1-59SA H30-1-69SA H30-1-360 H30-1-372 H30-1-109SA H30-1-99SA
79-24M.3	H14-1-1091		
79-24M.4	H10-1-84SA		
79-24M.5	H10-1-106 H30-1-133 H10-1-159 HB-10-SG-19		
79-24M.6	GB-10-SG-23 H10-1-156 HB-10-SG-18		
79-24M.7	H10-1-990		



<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24N.7	H30-1-1260	79-24T.3	H30-1-1325 H30-1-1326 H30-1-1327 H30-1-1329 H30-1-1328
79-24N.8	H30-1-108SH		
79-24N.9	H30-1-98SH		
79-24N.10	H19-1-8SA	79-24T.4	H30-1-1330
79-24P.1	H10-1-123	79-24T.5	H30-1-1331 SP
79-24P.2	H23-1-18S	79-24U.1	H6-1-60 H6-1-61
79-24P.3	H23-1-3SR	79-24U.2	H6-1-68
79-24P.4	H23-1-28S	79-24U.3	H23-1-1248
79-24P.5	H23-1-33 H23-1-16	79-24U.4	H1-1-30
79-24P.6	H26-1-56	79-24U.5	H1-1-44
79-24P.7	H23-1-63 H23-1-8S	79-24U.6	H1-1-23 H3-1-1291 H3-1-1292
79-24P.8	H23-1-16	79-24V.2	H14-1-4SH
79-24R.1	H13-1-1226 H13-1-1227	79-24W.1	H13-1-12SA
79-24R.2	H13-1-2SR	79-24W.2	H23-1-10SA
79-24R.3	H13-1-35 H13-1-34 H13-1-36	79-24W.3	H23-1-1235
		79-24W.4	H23-1-26SA
79-24S.1	H6-1-111	79-24W.5	H45-1-4 H45-1-3SG
79-24S.2	H6-1-104	79-24W.6	H13-1-6SH
79-24S.3	H19-1-12SG	79-24W.7	H10-1-160
79-24S.4	H6-1-102	79-24X.1	H10-1-96S
79-24S.5	H6-1-109	79-24X.2	H12-1-1243 H12-1-1258
79-24S.6	SS-2		
79-24S.7	SS-21 SS-22	79-24XA.1	H30-1-119
		79-24XA.2	H30-1-95
79-24T.1	H14-1-14SA	79-24XD.1	H29-1-1063 H29-1-1062 H29-1-1064 H29-1-1065
79-24T.2	H30-1-296		

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24XD.2	H29-1-25	79-24XF.1	H30-1-238
79-24XD.3	H29-1-37	79-24XF.2	H30-1-171 H30-1-175 H30-1-174
79-24XD.4	H29-1-26		
79-24XD.5	H29-1-25	79-24XF.3	H30-1-SA6 H30-1-104SA H30-1-96SA
79-24XD.6	H29-1-11SG H29-1-12SG		
79-24XD.7	H29-1-22	79-24XF.4	H14-1-34
79-24XD.8	H29-1-35	79-24XF.5	H30-1-1219
79-24XE.1	H29-1-8	79-24XF.6	H30-1-239
79-24XE.2	H29-1-6	79-24XF.7	H14-1-33
79-24XE.3	H23-1-49	79-24XF.8	H14-1-1221
79-24XE.4	H29-1-11	79-24XF.10	H30-1-173
79-24XE.5	H30-1-115SA	79-24XG.1	H10-1-129
79-24XE.6	H30-1-20SA	79-24XH.1	H19-1-1SA
79-24XE.7	H30-1-1236	79-24XJ.1	H1-1-1210 H6-1-59
79-24XE.8	H30-1-470		
79-24XE.9	H30-1-57 H30-1-112	79-24XJ.2	H6-1-66 H6-1-67 F-6-1-15R H30-1-1218
79-24XE.10	H30-1-141 H30-1-107	79-24XJ.3	F-6-1-12R F-6-1-13R
79-24XE.11	H14-1-25S		
79-24XE.12	H30-1-22SG	79-24XJ.4	H6-1-64
79-24XE.13	H30-1-10SS	79-24XJ.5 79-24XJ.6 79-24XK.1	H6-1-58 F6-1-11R H3-1-1293
79-24XE.14	H23-1-60 H23-1-71	79-24Y.1	H19-1-1209
79-24XE.15	H26-1-194	79-24Y.2	H26-1-1216
79-24XE.16	H30-1-110	79-24Y.3	H30-1-469
79-24XE.17	H30-1-58 H30-1-113 H30-1-142 H30-1-72 H30-1-55SG	79-24Y.4	H30-1-390 H26-1-1217

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-24Y.5	H30-1-291 H30-1-71SG H30-1-362 H30-1-374 H30-1-313 H30-1-333
79-24Y.6	H30-1-292 H30-1-72SG H30-1-363 H30-1-375 H30-1-314 H30-1-334
79-24Y.7	H30-1-60SR H30-1-73SH H30-1-376
79-24Y.8	H30-1-290 H30-1-70SG H30-1-361 H30-1-373 H30-1-312 H30-1-332 H26-1-275
79-24Y.9	H26-1-278
79-24Y.10	H26-1-6SH
79-24Y.11	H30-1-61SA H30-1-378 H30-1-386 H19-1-29 H19-1-34 H30-1-379 H30-1-110SA H19-1-30

The following PDCRs (79-39 series) modified pipe supports and base plates in various locations in response to IE Bulletin 79-02.

Ref; FSAR Section 2.5.3 and 12.2.3.5.2

These changes do not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>	<u>PDCR NO.</u>	<u>HANGER/MARK NO.</u>
79-39	H30-1-1SA	79-39-22	H10-1-195
79-39-1	H30-1-50SA	79-39-24	H30-1-24SA
79-39-2	H30-1-130	79-39-25	H10-1-65SA
79-39-3	H30-1-135	79-39-26	H10-1-6A
79-39-4	H30-1-131	79-39-27	H29-F3 H29-F6
79-39-5	H30-1-20SA H30-1-11SA	79-39-28	H26-1-3SA
79-39-6	H45-1-4SG	79-39-29	H30-1-8SA
79-39-7	H30-1-7SA	79-39-30	H19-1-5SA H10-1-95S
79-39-10	H23-1-21SA H30-1-14SG H30-1-106SR	79-39-31	H10-1-40SA
79-39-11	H30-1-74SA	79-39-32	H30-1-36SA
79-39-12	H10-1-108S H10-1-110S H14-1-11SR H32-1-64	79-39-33	H10-1-27SR
79-39-13	H23-1-60	79-39-34	H30-1-31SA
79-39-14	H30-1-7SA		
79-39-15	H30-1-12SA		
79-39-16	H30-1-17SA		
79-39-17	H30-1-76SA		
79-39-18	H10-1-34SA		
79-39-19	H30-1-27SA		
79-39-20	H14-1-12SA		
79-39-21	H10-1-61SA		

## TESTS CONDUCTED

### TP 80-65 S/RV DISCHARGE

This test was accomplished to determine the response of the torus and its supports to S/RV actuation under both cold and hot pipe conditions.

This test does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

### TP 81-07 FULL TEST OF CMS SYSTEM (ULTRASONIC WATER MEASURING SYSTEM)

This test involved admitting water into the scram discharge volume at several controlled rates, and monitoring the response of the ultrasonic (CMS) water monitoring system.

This test does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

### TP 81-09 SCRAM AIR HEADER DEPRESSURIZATION

#### TP 81-18

This test was conducted for the purpose of obtaining verification that the air dump system for the scram pilot valve air header performs its intended function in accordance with the appropriate set points.

This test does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.

### TP 81-20 BLC JK WALL TESTING

The purpose of this test was to verify that existing masonry block walls were constructed in accordance with the original design drawings and specifications.

This test does not involve an unreviewed safety question as defined in 10CFR50.59(a) or a change to a technical specification.