

MODIFICATION 96-026
U2R22 INSTALLATION AND MODIFICATION OF
IEB 79-14 PIPE SUPPORTS

1.0 SCOPE

- 1.1 The scope of this work plan is upgrade 20 pipe supports, remove one pipe support, and install one pipe support. The affected Unit 2 piping systems are Safety Injection (SI), Main Steam (MS), Feedwater (FW) and Auxiliary Feedwater (AFW).
 - 1.1.1 Bolting materials will be changed on two MS pipe supports.
 - 1.1.2 One MS pipe support will be shimmed. This support's modification may also require installation of a pipe saddle.
 - 1.1.3 Two MS supports will be shimmed.
 - 1.1.4 The pipe clamp for one FW pipe support will be replaced.
 - 1.1.5 One FW pipe support will be modified to restrain lateral loads.
 - 1.1.6 One AFW pipe support will be shimmed.
 - 1.1.7 One SI support will have an additional Concrete Expansion Anchor (CEA) installed.
 - 1.1.8 The hanger rod on one SI support will be tightened.
 - 1.1.9 One SI support will be modified to restrain lateral loads.
 - 1.1.10 One SI support will be shimmed.
 - 1.1.11 One new support will be installed in the SI system.
 - 1.1.12 One support will be removed from the SI system.
 - 1.1.13 Supports for four valves, 2-SI-878A, 2-SI-878B, 2-SI-878C and 2-SI-878D, will be modified.
 - 1.1.14 Straps will be removed from four supports in the SI system.
- 1.2 The purpose of this modification is to upgrade pipe supports in the Unit 2 SI, FW, AFW and MS systems to satisfy all applicable Code requirements.
- 1.3 QA-Scope Clarifications: All work discussed within this IWP, as part of the IEB 79-14 Reconciliation program, is considered Safety-Related and QA-Scope.
- 1.4 The PBNP Maintenance group (MTN) will be performing the fabrications and installations for this IWP.
- 1.5 The Impact Project Number for this work is N9500215.

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2.0 PRE-INSTALLATION REQUIREMENTS

2.1 References

Sixteen of these pipe supports are within the scope of the ASME Section XI ISI program. Specific Hold Points and Non-Destructive Testing (NDE) requirements are specified in the following R/R/M forms:

R/R/M Form 96-0030 for pipe supports EB-1-MS-2R16, EB-1-MS-2H5, EB-1-MS-2H6, EB-8-H002 and EB-8-2H36.

R/R/M Form 96-0031 for pipe supports EB-9-FW-2H1, EB-9-FW-2H6 and EB-10-2R-104.

R/R/M Form 96-0032 for pipe supports SI-878-A1, SI-878-B1, SI-878-C1, SI-878-D1, SI-1501R-S855, -SI-1501R-H11, SI-1501R-H11A and SI-1501R-H21.

2.1.1 Working drawings:

• SK-MR-96-026-01	<u>Main Steam Supports Location</u>
• SK-MR-96-026-02	<u>Main Steam Supports Isometric</u>
• SK-MR-96-026-03	<u>Restraint EB-1-MS-2R16</u>
• SK-MR-96-026-04	<u>Pipe Support EB-1-MS-2H5</u>
• SK-MR-96-026-05	<u>Pipe Support EB-1-MS-2H6</u>
SK-MR-96-026-06 sh. 1	<u>Main and Aux. Feedwater Supports Location</u>
SK-MR-96-026-06 sh. 2	<u>Main Feedwater Support Location</u>
SK-MR-96-026-07	<u>Feedwater Piping Isometric</u>
16' SK-MR-96-026-08	<u>Main Feedwater Hanger EB-9-FW-2H1</u>
16' SK-MR-96-026-09	<u>Main Feedwater Pipe Support EB-9-FW-2H6</u>
16' SK-MR-96-026-10	<u>Aux. Feedwater Pipe Restraint EB-10-2R-104</u>
8' SK-MR-96-026-11	<u>Aux. Steam Supports Location</u>

Replace clamp
34.3

Modify Restraint
34.4

Skirts
35.1

Done

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Done 8/5/96	SK-MR-96-026-12	<u>Aux. Steam Supports Isometric</u>
Done 8/5/96	SK-MR-96-026-13	<u>Support EB-8-2H36</u>
Done 8/5/96	SK-MR-96-026-14	<u>Support EB-8-H002</u>
Done 8/5/96	SK-MR-96-026-15	<u>Safety Injection Supports Location in PAB</u>
	SK-MR-96-026-16	<u>Safety Injection Supports in PAB Isometric</u>
	SK-MR-96-026-17	<u>Support SI-1501R-2-H21</u>
	SK-MR-96-026-18	<u>Support SI-1501R-S855</u>
	SK-MR-96-026-19	<u>Support SI-1501R-3-H11</u>
	SK-MR-96-026-20	<u>Support SI-1501R-3-H8</u>
✓	SK-MR-96-026-21	<u>Support SI-1501R-3-H11A</u>
	SK-MR-96-026-22	<u>Safety Injection Support Location, In Containment</u>
	SK-MR-96-026-23 sh. 1	<u>Containment Safety Injection Supports Isometric</u>
	SK-MR-96-026-23 sh. 2	<u>Containment Safety Injection Supports Isometric</u>
	SK-MR-96-026-24	<u>2-SI-878B's Support</u>
	SK-MR-96-026-25	<u>2-SI-878D's Support</u>
Done 8/5/96	SK-MR-96-026-26	<u>2-SI-878A's Support</u>
Done 8/5/96	SK-MR-96-026-27 sh. 1	<u>2-SI-878C's Support</u>
Done 8/5/96	SK-MR-96-026-27 sh. 2	<u>2-SI-878C's Support</u>
Done 8/5/96	SK-MR-96-026-28	<u>SI Supports - Strap Removal (Typical)</u>

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R.E./I.S. _____ Date 10/25/96

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2.4 Personnel Safety Concerns

Portions of this installation will take place at some elevation above the floor. Installation personnel must take precautions against falling. The Installation Supervisor is aware of these con.

I.S. _____ Date 10/25/96

2.5 Identification of Required Permits

2.5.1 The WO for this IWP has been written and submitted to CHAMPS. The WO's number is recorded on the IWP's cover sheet.

2.5.2 Work will be done in a radiological zone. An RWP may be required.

2.5.3 Installation will be done in Safe Shutdown areas.

2.5.4 Transient Combustible Permits may be required.

2.5.5 Ignition Control Permits are required for field work involving cutting, grinding or welding.

2.5.6 Scaffolding will be erected near or over Safety-Related equipment.

2.5.7 The Installation Supervisor will assure that all necessary permits are obtained, as appropriate, during the course of this installation.

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2.6 Operational Installation Prerequisites

The required plant conditions are that the unit 2 containment must be open for general access. Very specific plant conditions are required for certain field installations. Those conditions are spelled out within section 3.0 INSTALLATION. It is anticipated that this installation will occur during U2R22.

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3.0 INSTALLATION

3.1 QC/NDE Requirements

QC/NDE support will be required for this installation. Visual inspections are required for welds and bolting. Checks are required for gap measurements, spring hanger settings and hanger rod loadings. ANI notifications shall be performed as defined in this IWP.

3.2 Installation Description

GENERAL INSTALLATION NOTES: Modification of 22 pipe supports are covered in the scope of this IWP. Work on any grouping of supports may proceed in any logical sequence provided that the specific prerequisites are met for that grouping of supports.

With one exception, contact the responsible engineer if any installation cannot be accomplished in accordance with the IWP and/or the working drawings. An exception is provided so that, for considerations such as material availability, the field may substitute structural materials larger than those specified. The field shall document any such material substitutions. Non-QA materials may not be substituted where QA materials are specified.

All weld filler material shall consist of E70XX electrodes. All material shall be ASTM A-36 or ASME SA-36 material, unless noted otherwise. All materials shall be QA-released as appropriate.

Hot work (cutting, grinding or welding) in the field requires an approved Ignition Control Permit.

Structural welds shall be visually inspected in accordance with AWS D1.1 and WP-5. Certain supports require VT-3 testing, as defined in the R/R/M forms and as specified in this IWP.

All dimensions shown on the working drawings shall be $\pm 1/4"$, unless noted otherwise.

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NOTE: *The ANI shall be contacted before work starts on certain pipe supports. Refer to the specific guidance found later in this IWP.*

3.3 MS Pipe Supports

- 3.3.1 General: These three supports are located in the overhead of the 66' elevation, south of the refueling cavity in the Unit 2 containment. The insulation on these lines is Asbestos-Containing Material (ACM).
- 3.3.2 Scaffolding will be required for field work on these supports. Patent Construction Services has been contracted to provide scaffolding support services for these installations.

CAUTION **ENSURE THAT THIS SCAFFOLD STRUCTURE DOES NOT INTERFERE WITH MOTION OF THE POLAR CRANE OR ANY OF ITS SGRP-REQUIRED ATTACHMENTS.**

Free motion of the polar crane has been verified. The scaffold structure does not interfere with motion of the Polar Crane or any of its SGRP-required attachments.

CE Supervisor _____ Date 11/19/96

- 3.3.3 Check that Unit 2 is in a Cold or Refueling Shutdown and that there are no refueling activities taking place in the refueling cavity.

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- 3.3.4 EB-1-MS-2R16. (Location drawing: SK-MR-96-026-01. Isometric drawing: SK-MR-96-026-02. Installation drawing: SK-MR-90-026-03.)

CAUTION **TAKE CARE NOT TO DAMAGE THE EXISTING ACM. ACM MAY BE HANDLED ONLY BY PERSONNEL THAT ARE STATE- AND EPA-CERTIFIED TO HANDLE ASBESTOS.**

- a. Remove ACM where the MS line passes through the restraint. Don't 11/19/96
- b. Check that a pipe saddle support is in place under the MS line.
SADDLE IS EXISTING. 11/19/96

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11/19/96
SADDLE IS
EXISTING.
NO ANI
INSPECTION
IF WELDS
IS NEEDED.

NO SADDLE OR
SHIM STOCK
INSTALLATION
IS NEEDED.
11/19/96

NOTE: Field welding requires an Ignition Control Permit.

- c. ANI HOLD POINT: Contact the ANI, who will witness installation of the saddle-to-pipe welds if no pipe saddle is found.

ANI N/A Date N/A

- d. Install a pipe saddle support (item 7) if none is found. Refer to drawing SK-MR-90-026-03 for pipe saddle support installation details. There is to be a maximum gap of 3/8" under the pipe saddle support. Install shim material (item 25), tack-welded to the restraint, as required to achieve the specified gap. Notify the Installation Supervisor of any arc strikes or weld spatter on the MS line.

NOTE: Field welding requires an Ignition Control Permit.

- e. If a pipe saddle is found, check the gap between the pipe saddle support and the restraint. Install shim material (item 25), tack-welded to the restraint, as required to achieve a specified gap of 3/8" (maximum). Notify the Installation Supervisor of any weld spatter or arc strikes on the MS line.

EXISTING PIPE SADDLE TO WHIP RESTRAINT
IS < 3/8". M + 11/19/96

- f. A pipe saddle support is installed and the vertical gap between the support and the restraint is 3/8" or less.

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3.3.5 EB-1-MS-2H5. (Location drawing: SK-MR-96-026-01. Isometric drawing: SK-MR-96-026-02. Installation drawing: SK-MR-90-026-04.)

CAUTION TAKE CARE NOT TO DAMAGE THE EXISTING
ACM. ACM MAY BE HANDLED ONLY BY
PERSONNEL THAT ARE STATE- AND
EPA-CERTIFIED TO HANDLE ASBESTOS.

- a. A temporary dead load support is required for this support. Remove ACM as required to allow installation of the temporary piping support.
- b. Block the support's spring can and install a temporary vertical pipe support. Unload the hanger rod.

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- c. Replace the upper bolting materials in the hanger's double-bolt pipe clamp (items 1, 2 and 3). Torque the new bolting materials as shown on the installation drawing.
- d. Unblock the spring can and remove the temporary vertical pipe support.
- e. Verify the spring hanger's setting. The spring hanger's cold load setting should be as close as possible to 11,750 lbs. (The acceptable range is 11,163 lbs. to 14,100 lbs.) *The chart on the side of the can is missing so it was not possible to verify the setting. We set it as found.*
- f. The bolting materials have been replaced. The temporary pipe support is removed. The spring hanger's cold load setting is within the acceptable range and is as close as possible to the desired setting. The spring can is unblocked.

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3.3.6 EB-1-MS-2H6. (Location drawing: SK-MR-96-026-01. Isometric drawing: SK-MR-96-026-02. Installation drawing: SK-MR-90-026-05.)

***CAUTION* TAKE CARE NOT TO DAMAGE THE EXISTING ACM. ACM MAY BE HANDLED ONLY BY PERSONNEL THAT ARE STATE- AND EPA-CERTIFIED TO HANDLE ASBESTOS.**

- a. Temporary dead load support is required for this support. Remove ACM as required to allow installation of the temporary piping support.
- b. Block the support's spring can and install a temporary vertical pipe support. Unload the hanger rod.
- c. Replace the upper bolting materials in the hanger's double-bolt pipe clamp (items 4, 5 and 6). Torque the new bolting materials as shown on the installation drawing.
- d. Unblock the spring can and remove the temporary vertical pipe support.
- e. Verify the spring hanger's setting. The spring hanger's cold load setting should be as close as possible to 12,800 lbs. (The acceptable range is 12,160 lbs. to 15,360 lbs.)
- f. The bolting materials have been replaced. The temporary pipe support is removed. The spring hanger's cold load setting is within the acceptable range and is as close as possible to the desired setting. The spring can is unblocked.

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3.3.7 NDE HOLD POINT:

- RV6 OK 12-6-96*
- a. For support EB-1-MS-2R16 inspect the MS pipe's pressure boundary, the new structural welds, check the gap measurement to be 3/8" or less and inspect the support's general configuration. VT-3 is required.
- b. For support EB-1-MS-2H5 inspect the bolting material's installation, for removal of the temporary vertical support, that the spring can is unblocked, that the spring hanger's cold load setting is as close as possible to 11,750 lbs. (the acceptable range is 11,163 lbs. to 14,100 lbs.) and inspect the support's general configuration. VT-3 is required.
- 2H6 OK 12-6-96*
- c. For support EB-1-MS-2H6 inspect the bolting material's installation, for removal of the temporary vertical support, that the spring can is unblocked, that the spring hanger's cold load setting is as close as possible to 12,800 lbs. (the acceptable range is 12,160 lbs. to 15,360 lbs.) and inspect the support's general configuration. VT-3 is required.
- No guide -
on restraint
next to
spring*

NDE *

Date ~~12-07-96~~ 12-10-96

3.3.8

Paint (item 29) all welds and newly-installed shim materials on the three MS supports.

3.3.9

Restore insulation as required at the MS supports. Remove the scaffolding and clean up all construction debris. Construction activities are complete for the Main Steam piping supports.

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12-28-96

3.4 FW Pipe Supports

3.4.1

General: One of these supports, EB-9-FW-2H1, is located on the "A" steam generator's shield wall, elevation 76'. The second support, EB-9-FW-2H6, is located over the Reactor Head Lay-Down Area in the overhead of the 46' elevation. The insulation at EB-9-FW-2H6 is Asbestos-Containing Material (ACM).

3.4.2

Check that Unit 2 is in a Cold or Refueling Shutdown.

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3.4.3 EB-9-FW-2H1. (Location drawing: SK-MR-96-026-06, sheet 1 of 2.
Isometric drawing: SK-MR-96-026-07. Installation drawing:
SK-MR-90-026-08.)

- a. Check that the Replacement Steam Generator (RSG), 2-HX-1A, has been installed, that its feedwater nozzle is installed and that the feedwater piping's attachments to the feedwater nozzle are complete.

I.S.

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- b. Block the support's spring can and install a temporary vertical pipe support. Unload the hanger rod.

ok to perform
step out of order
2GT Already has
Clamp unloaded.

- c. Replace the existing double-bolt pipe clamp. (The existing pipe clamp is a Grinnell Figure 295 clamp.) The new pipe clamp is item 8. Torque the new bolting materials as shown on the installation drawing.

- d. Unblock the spring can and remove the temporary vertical pipe support.

- e. Verify the spring hanger's setting. The spring hanger's cold load setting should be as close as possible to 4,600 lbs. (The acceptable range is 4,370 lbs. to 4,830 lbs.)

- f. The double-bolt pipe clamp has been replaced. The temporary pipe support is removed and the spring can is unblocked. The spring hanger's cold load setting is within the acceptable range and is as close as possible to the desired setting. The spring can is unblocked.

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Same
Hold Point
on page
12333

NDE HOLD POINT: Inspect the clamp and bolting material's installation, removal of the temporary vertical support, that the spring can is unblocked, that the spring hanger's cold load setting is as close as possible to 4,600 lbs. (The acceptable range is 4,370 lbs. to 4,830 lbs.) and inspect the support's general configuration. VT-3 is required.

NDE

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- 3.4.4 EB-9-FW-2H6. (Location drawing: SK-MR-96-026-06, sheet 2 of 2.
Isometric drawing: SK-MR-96-026-07.
Installation drawing: SK-MR-90-026-09.)

***CAUTION* TAKE CARE NOT TO DAMAGE THE EXISTING
ACM. ACM MAY BE HANDLED ONLY BY
PERSONNEL THAT ARE STATE- AND EPA-
CERTIFIED TO HANDLE ASBESTOS.**

- a. Remove ACM where the FW line passes through the support. D

NOTE: *Field welding and grinding requires an Ignition Control Permit.* 11/18/96

- b. Remove the two horizontal pipe saddle supports from the feed-water line.
- c. Modify the support to restrain horizontal loads as shown on the installation drawing. Notify the Installation Supervisor of any weld spatter or arc strikes on the FW line.
- d. The support is modified as shown on the installation drawing. The lateral gap measurements are 1/8" or less.

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3.4.5 NDE HOLD POINT:

- Same
Hold point
as
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- a. For support EB-9-FW-2H1 inspect the clamp and bolting's installation, for removal of the temporary vertical support, that the spring can is unblocked, that the spring hanger's cold load setting is as close as possible to 4,600 lbs. (the acceptable range is 4,370 lbs. to 4,830 lbs.) and inspect the support's general configuration. VT-3 is required.
- b. For support EB-9-FW-2H6 inspect the structural welds, check the lateral gap measurements to be 1/8" or less and inspect the support's general configuration. VT-3 is required. *2H6 OK 12-4-96*

NDE *20/11/96* Date 12-14-96

3.4.6 ANI HOLD POINT: Contact the ANI, who will inspect the welds on support EB-9-FW-2H6.

ANI Date 01/02/97

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- 3.4.7 Paint (item 29) all welds and newly-installed structural materials on support EB-9-FW-2H6.
- 3.4.8 Restore the insulation for support EB-9-FW-2H6 as shown on the installation drawing. Remove all construction debris.
- 3.4.9 All newly-installed welds and shim materials for support EB-9-FW-2H6 have been painted. All construction debris from modification of the FW supports has been cleaned up.

MTN _____ Date 12/20/96

3.5 AFW Support

- 3.5.1 General: This support, EB-10-2R-104, is located on the 66' elevation near the "A" steam generator's shield wall.

- 3.5.2 Check that Unit 2 is in a Cold or Refueling Shutdown.

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- 3.5.3 EB-10-2R-104. (Location drawing: SK-MR-96-026-06, sheet 1 of 2. Isometric drawing: SK-MR-96-026-07. Installation drawing: SK-MR-90-026-10.)

NOTE: *Field welding requires an Ignition Control Permit.*

- a. Modify the support to restrain horizontal loads as shown on the installation drawing. Notify the Installation Supervisor of any weld spatter or arc strikes on the AFW line.
- b. Paint (item 29) all welds and newly-installed structural materials on the support.
- c. Remove all construction debris.
- d. The support is modified as shown on the installation drawing. The lateral gap measurements are 1/8" or less, all newly-installed welds and structural material have been painted and all construction debris has been cleaned up.

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3.6 Auxiliary Steam (MS to the Terry Turbine) Supports

3.6.1 General: These supports, EB-8-2H36 and EB-8-H002, are located on the 85' elevation in the facade. The insulation at support EB-8-H002 is Asbestos-Containing Material (ACM).

3.6.2 Check that Unit 2 is in a Cold or Refueling Shutdown and that 2-P29 is not needed for decay heat removal.

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3.6.3 EB-8-2H36. (Location drawing: SK-MR-96-026-11. Isometric drawing: SK-MR-96-026-12. Installation drawing: SK-MR-90-026-13.)

NOTE: *Field welding requires an Ignition Control Permit.*

- a. Install shim material (item 25), tack-welded in place, as required to achieve the gap specified on the installation drawing.
- b. Paint (item 29) all welds and newly-installed shim material.
- c. Remove all construction debris.
- d. The support is modified as shown on the installation drawing. All newly-installed welds and shim material have been painted and all construction debris has been cleaned up.

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- 3.6.4 EB-8-H002. (Location drawing: SK-MR-96-026-11. Isometric drawing: SK-MR-96-026-12. Installation drawing: SK-MR-90-026-14.)

CAUTION TAKE CARE NOT TO DAMAGE THE EXISTING ACM. ACM MAY BE HANDLED ONLY BY PERSONNEL THAT ARE STATE- AND EPA-CERTIFIED TO HANDLE ASBESTOS.

CAUTION PERSONAL FALL PROTECTION EQUIPMENT IS REQUIRED FOR WORK ON THIS SUPPORT. USE THE MAIN STEAM LINE AS THE FALL PROTECTION'S ANCHOR POINT. A SLING RATED FOR AT LEAST 5000 LBS, WRAPPED AROUND THE MAIN STEAM LINE, A RETRACTABLE LIFELINE, A SNAP-LOCK HOOK AND A PARACHUTE HARNESS SHALL BE THE MINIMUM ACCEPTABLE PERSONNEL FALL PROTECTION FOR WORK ON THIS SUPPORT.

- a. The installation supervisor is aware of the fall hazard. The workers are supplied with appropriate fall protection equipment.

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NOTE: *Field welding requires an Ignition Control Permit.*

- b. Install shim material (item 25), tack-welded in place, as required to achieve the gap specified on the installation drawing.
- c. Paint (item 29) all welds and newly-installed shim material.
- d. Remove all construction debris.
- e. The support is modified as shown on the installation drawing. All newly-installed welds and shim material have been painted and all construction debris has been cleaned up.

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* No Shim needed to get 0" clearance

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3.7 SI Supports in the Primary Auxiliary Building (PAB) and Pipeway 4

3.7.1 General: Three of these supports, SI-1501R-2-H21, SI-1501R-3-H11 and SI-1501R-3-H8 are located in Pipeway 4. A new support, SI-1501R-3-11A will be located adjacent to SI-1501R-3-H11. The fifth support, SI-1501R-2-S855, is located in the PAB, outside of the Unit 2 charging pump cubicles, between the 2-P2A and 2-P2B cubicles.

3.7.2 Check that Unit 2 is in a Cold or Refueling Shutdown.

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3.7.3 SI-1501R-2-H21. (Location drawing: SK-MR-96-026-15. Isometric drawing: SK-MR-96-026-16. Installation drawing: SK-MR-90-026-17.)

NOTE: *Field welding requires an Ignition Control Permit.*

- a. Modify the support to restrain horizontal loads as shown on the installation drawing. Notify the Installation Supervisor of any weld spatter or arc strikes on the SI line.
- b. Remove all construction debris.
- c. The support is modified as shown on the installation drawing. The lateral gap measurements are 1/16" or less and all construction debris has been cleaned up.

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3.7.4 SI-1501R-3-H11. (Location drawing: SK-MR-96-026-15. Isometric drawing: SK-MR-96-026-16. Installation drawing: SK-MR-90-026-19.)

- a. Tighten the hanger rod as shown on the installation drawing.
- b. Remove all construction debris.
- c. The hanger rod has been tightened as shown on the installation drawing and all construction debris has been cleaned up.

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3.7.5 SI-1501R-3-H8. (Location drawing: SK-MR-96-026-15. Isometric drawing: SK-MR-96-026-16. Installation drawing: SK-MR-90-026-20.)

- a. Install one new 1/2" Hilti Kwik-Bolt II (item 15) in the support as shown on the installation drawing. *MTW 1023*
- b. Remove all construction debris.
- c. The support has been modified as shown on the installation drawing and all construction debris has been cleaned up.

MTN *J* Date 11-20-96

3.7.6 SI-1501R-2-S855. (Location drawing: SK-MR-96-026-15. Isometric drawing: SK-MR-96-026-16. Installation drawing: SK-MR-90-026-18.)

NOTE: *Field welding requires an Ignition Control Permit.*

- a. Install shim material (item 25), tack-welded in place, as required to achieve the gap specified on the installation drawing. Notify the Installation Supervisor of any weld spatter or arc strikes on the SI line.
- b. Remove all construction debris.
- c. The support is modified as shown on the installation drawing and all construction debris has been cleaned up.

MTN *Ben* Date 11-12-96

3.7.7 SI-1501R-3-H11A. (Location drawing: SK-MR-96-026-15. Isometric drawing: SK-MR-96-026-16. Installation drawing: SK-MR-90-026-21.)

- a. Prefabricate support SI-1501R-3-H11A as shown on the installation drawing.
- b. Install the prefabricated support immediately ^{*down stream*} ~~upstream~~ of support SI-1501R-3-H11. Refer to the isometric drawing for guidance.

NOTE: *Field welding requires an Ignition Control Permit.*

- c. Attach the bottom 1/2" x 2" (item 18) to the prefabricated and installed support. Notify the Installation Supervisor of any weld spatter or arc strikes on the SI line. Refer to the installation drawing for guidance.

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- d. Remove all construction debris.
- e. The support is installed as shown on the installation and isometric drawings. The lateral gap measurements are 1/16" or less and all construction debris has been cleaned up.

MTN _____ Date 11-12-96

- 3.7.8 ANI HOLD POINT: Contact the ANI, who will inspect the welds on supports SI-1501R-3-H11A, SI-1501R-2-S855 and SI-1501R-2-H21.

ANI ✓ 11 _____ Date 11/30/96

- 3.7.9 NDE HOLD POINT:

- a. Inspect the structural welds on supports SI-1501R-3-H11A, SI-1501R-2-S855 and SI-1501R-2-H21.
- b. Check that the total lateral gap measurement (the sum of the gaps on both sides of the pipe) is 1/8" or less on support SI-1501R-2-S855.
- c. Check that the lateral gap measurements are 1/16" or less on supports SI-1501R-2-H21 and SI-1501R-3-H11A.
- d. Check that the hanger rod on support SI-1501R-3-H11 is loaded.
- e. Inspect the general configuration of supports SI-1501R-3-H11A, SI-1501R-2-S855, SI-1501R-2-H21, SI-1501R-3-H8 and SI-1501R-3-H11. VT-3 is required.

NDF _____ Date 11-29-96

- 3.7.10 Paint (item 29) all newly-installed welds, shim materials and structural components on supports SI-1501R-3-H11A, SI-1501R-2-S855 and SI-1501R-2-H21. Take care not to leave any paint on the Safety Injection Piping.

- 3.7.11 The modification of the SI supports in the PAB and Pipeway 4 is complete. All welds, newly-installed shim materials and structural components on supports SI-1501R-3-H11A, SI-1501R-2-S855 and SI-1501R-2-H21 have been painted. No paint was left on any of the Safety Injection piping. All construction debris has been cleaned up.

MTN 7 _____ Date 12-2-96

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3.8 SI Supports Inside Containment, Part 1

3.8.1 General: The pipe straps must be removed from four supports. They are SI-878B-5, SI-878D-2, SI-878D-4 and SI-878D-10. It is acceptable to use any convenient method to remove these pipe straps. In addition, one support, SI-878F-1, must be completely removed.

3.8.2 Check that Unit 2 is in a Cold or Refueling Shutdown.

I.S. _____ Date 10-29-96

3.8.3 SI-878F-1. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1.)

- Remove this pipe support.
- Remove all construction debris.
- The support is removed and all construction debris has been cleaned up.

MTN _____ Date 11-14-96

3.8.4 SI 878B-5. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-28.)

- Light staging will be required for field work on this support. The installer must provide this scaffolding.

CAUTION TAKE CARE NOT TO DAMAGE THE EXISTING ACM. ACM MAY BE HANDLED ONLY BY PERSONNEL THAT ARE STATE-AND EPA-CERTIFIED TO HANDLE ASBESTOS.

- Remove ACM where the SI line passes through the support.

NOTE: Abrasive cutting requires an Ignition Control Permit.

- Remove the pipe strap. Notify the Installation Supervisor of any damage to the SI line from this operation. Refer to the installation drawing for guidance.
- Remove all construction debris.
- The support's strap has been removed and all construction debris has been cleaned up.

MTN _____ Date 11-31-96

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3.8.5 SI 878D-2. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-28.)

- a. Remove the non-ACM insulation where the SI line passes through the

NOTE: Abrasive cutting requires an Ignition Control Permit.

- b. Remove the pipe strap. Notify the Installation Supervisor of any damage to the SI line from this operation. Refer to the installation drawing for guidance.

- c. Remove all construction debris.

- d. The support's strap has been removed and all construction debris has been cleaned up.

MTN

Date 11-21-96

3.8.6 SI 878D-4. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-28.)

- a. Light staging will be required for field work on this support. The installer must provide this scaffolding.

CAUTION TAKE CARE NOT TO DAMAGE THE
EXISTING ACM. ACM MAY BE
HANDLED ONLY BY PERSONNEL THAT
ARE STATE- AND EPA- CERTIFIED TO
HANDLE ASBESTOS.

- b. Remove ACM where the SI line passes through the support.

NOTE: Abrasive cutting requires an Ignition Control Permit.

- c. Remove the pipe strap. Notify the Installation Supervisor of any damage to the SI line from this operation. Refer to the installation drawing for guidance.

- d. Remove all construction debris.

- e. The support's strap has been removed and all construction debris has been cleaned up.

MTN

Date 11-22-96

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- 3.8.7 SI 878D-10. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 2. Installation drawing: SK-MR-96-026-28.)

NOTE: *Work on this support must be coordinated closely with SGT Ltd's work in the 2-HX-1A cubicle.*

- a. Light staging will be required for field work on this support. The installer must provide this scaffolding.

CAUTION TAKE CARE NOT TO DAMAGE THE
EXISTING ACM. ACM MAY BE
HANDLED ONLY BY PERSONNEL
THAT ARE STATE- AND EPA-
CERTIFIED TO HANDLE ASBESTOS.

- b. Remove ACM where the SI line passes through the support. *Done 11/2/96*

NOTE: *Abrasive cutting requires an Ignition Control Permit.*

- c. Remove the pipe strap. Notify the Installation Supervisor of any damage to the SI line from this operation. Refer to the installation drawing for guidance.
- d. Remove all construction debris.
- e. The support's strap has been removed and all construction debris has been cleaned up.

MTN _____ Date 12-04-96

3.9 SI Supports Inside Containment, Part 2; "A" Train Valve Supports

- 3.9.1 General: This portion of the installation consists of modifications to the supports of two Motor-Operated Valves (MOVs). Those valves are 2-SI-878B and 2-SI-878D.

The purpose of the modifications to these supports is to allow the SI lines to grow thermally. This would be important if there was back leakage through an upstream check valve.

Technical Specification 15.3.2.A states that "When fuel is in the reactor, there shall be at least one flow path to the core for boric acid injection." Therefore, specific DSS permission/release is required before proceeding with modifications to the supports for these valves.

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- 3.9.2 Check that Unit 2 is in a Cold or Refueling Shutdown and that there is either one flow path (minimum) to the reactor for boric acid injection or the reactor is defueled. Refer to TS 15.3.2.A. This condition must be maintained until the modifications, testing and acceptance are complete on the valve supports for 2-SI-878B and 2-SI-878D.

DSS 21 Date 12/6/96 Time 2030
12/30/96 1933

- 3.9.3 SI-878B-1. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-24.)

NOTE: The valve operator does not require temporary support when the operator attachment bracket is removed.

NOTE: Valve 2-SI-878B must remain open for the duration of this support's modification.

- a. Electrically open valve 2-SI-878B. Tag the valve in the open position. Tag its breaker, B52-422J, in the open position.

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- b. Remove the existing support bracket for the valve's motor.
- c. Fabricate a replacement support bracket for the valve's motor. Any details not shown on the installation drawing are to match the existing valve motor support bracket. Refer to notes 5 and 6 on the installation drawing for details.
- d. Install the replacement valve motor support bracket. Refer to the installation drawing, especially notes 1 and 5, for details.
- e. Clear the tags for valve 2-SI-878B and its breaker, B52-422J. Electrically close valve 2-SI-878B.
- f. Remove all construction debris.
- g. The support is modified as shown on the installation drawing and all construction debris has been cleaned up.

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- 3.9.4 SI-878D-1. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-25.)

NOTE: *The valve operator does not require temporary support when the operator attachment bracket is removed.*

NOTE: *Valve 2-SI-878D must remain open for the duration of this support's modification.*

- a. Electrically open valve 2-SI-878D. Tag the valve in the open position. Tag its breaker, B52-322F, in the open position.

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- b. Remove the existing support bracket for the valve's motor.
- c. Fabricate a replacement support bracket for the valve's motor. Any details not shown on the installation drawing are to match the existing valve motor support bracket. Refer to notes 5 and 6 on the installation drawing for details.
- d. Install the replacement valve motor support bracket. Refer to the installation drawing, especially notes 1 and 5, for details.
- e. Clear the tags for valve 2-SI-878D and its breaker, B52-322F. Electrically close valve 2-SI-878D.
- f. Remove all construction debris.
- g. The support is modified as shown on the installation drawing and all construction debris has been cleaned up.

MTN

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- 3.9.5 **NDE HOLD POINT:** Inspect the valve motor support bracket installations and the general configuration for supports 2-SI-878B-1 and 2-SI-878D-1. VT-3 is required.

NDF

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3.9.6 PURPOSE

The purpose of this test is to verify the operability of the following valves:

2SI-878B RC Loop B SI Isolation MOV
2SI-878D RC Loop A SI Isolation MOV

3.9.7 PRECAUTIONS AND LIMITATIONS

- a. For the purposes of valve stroke testing, stroke time is the time it takes the valve to go from full open to full shut or full shut to full open, by the control board indication. The stopwatch should be started at the moment the control switch is actuated.
- b. Technical Specification 15.3.2.A states, "When fuel is in the reactor, there shall be at least one flow path to the core for boric acid injection."

3.9.8 INITIAL CONDITIONS

INITIALS

- a. A stopwatch is available to time the stroking of valves.

ID No. OPSSW-4

- b. **Permission to Perform Test**

Permission is granted to perform this test.

DSS TIME 05:19 DATE 12.31.96

3.9.9 PROCEDURE

- a. Test of 2SI-878B, RC Loop B SI Isolation MOV

1. Shut 2SI-878B.
2. Time to shut. 9.24 sec.
3. Check the rising stem position indicator for shut indication.
4. Open 2SI-878B.
5. Time to open. 9.53 sec.
6. Check the rising stem position indicator for open indication.

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b. Test of 2SI-878D, RC Loop A SI Isolation MOV

1. Shut 2SI-878D. 1
2. Time to shut. 9.00 sec. 8
3. Check the rising stem position indicator for shut indication. 8
4. Open 2SI-878D. 8
5. Time to open. 9.57 sec. 8
6. Check the rising stem position indicator for open indication. 7
7. Check valve operability by comparing the valve data with the limits in the Operations Standing Order for SI-878B & D.

3.9.10 ANALYSIS

**TO BE COMPLETED WITHIN 96 HOURS BY
OPERATIONS MANAGER OR HIS REPRESENTATIVE.**

a. Comparisons with allowable ranges of test values and analysis of deviations complete. 2

b. Any requirements for corrective action?

☐ Yes ☒ No

(If yes, give details in the remarks section.)

c. Data analyzed by _____

Time and date 10/5/1-2-97

Remarks:

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- 3.9.11 Paint (item 29) the motor support brackets for supports 2-SI-878B-1 and 2-SI-878D-1. Take care not to leave paint on the Safety Injection Piping.
- 3.9.12 The modification of "A" train SI valve supports in containment is complete. The valve motor support brackets on supports 2-SI-878B-1 and 2-SI-878D-1 have been painted. No paint was left on any of the Safety Injection piping. All construction debris has been cleaned up.

MT. _____

Date 12-20-96

3.10 SI Supports Inside Containment, Part 3; "B" Train Valve Supports

- 3.10.1 General: This portion of the installation consists of modifications to the supports of two Motor-Operated Valves (MOVs). Those valves are 2-SI-878A and 2-SI-878C.

The purpose of the modifications to these supports is to allow the SI lines to grow thermally. This would be important if there was back leakage through an upstream check valve.

Technical Specification 15.3.2.A states that "When fuel is in the reactor, there shall be at least one flow path to the core for boric acid injection." Therefore, specific DSS permission/release is required before proceeding with modifications to the supports for these valves.

- 3.10.2 Check that Unit 2 is in a Cold or Refueling Shutdown and that there is either one flow path (minimum) to the reactor for boric acid injection or the reactor is defueled. Refer to TS 15.3.2.A. This condition (minimum) must be maintained until the modifications, testing and acceptance are complete on the valve supports for 2-SI-878A and 2-SI-878C.

DSS _____

Date 10/30/96

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- 3.10.3 SI-878A-1. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-26.)

NOTE: *The valve operator does not require temporary support when the operator attachment bracket is removed.*

NOTE: *Valve 2-SI-878A must remain open for the duration of this support's modification.*

- a. Electrically open valve 2-SI-878A. Tag the valve in the open position. Tag its breaker, B52-322J, in the open position.

OPS _____ Date 10-30-96

- b. Remove the existing support bracket for the valve's motor.
- c. Fabricate a replacement support bracket for the valve's motor. Any details not shown on the installation drawing are to match the existing valve motor support bracket. Refer to notes 5 and 6 on the installation drawing for details.
- d. Install the replacement valve motor support bracket. Refer to the installation drawing, especially notes 1 and 5, for details.
- e. ^{Remove} ~~Clear~~ the tags for valve 2-SI-878A and its breaker, B52-322J. Electrically close valve 2-SI-878A.
- f. Remove all construction debris.
- g. The support is modified as shown on the installation drawing and all construction debris has been cleaned up.

* MTN _____ Date 11-15-96
MC TW 056

* To facilitate removal of existing motor support bracket it was necessary to cut the support. That support piece was welded back in place.

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- 3.10.4 SI-878C-1. (Location drawing: SK-MR-96-026-22. Isometric drawing: SK-MR-96-026-23, sheet 1. Installation drawing: SK-MR-96-026-27, sheets 1 and 2.)

NOTE: *The valve operator does not require temporary support when the operator attachment bracket is removed.*

NOTE: *Valve 2-SI-878C must remain open while the valve motor's support bracket is modified.*

- a. Electrically open valve 2-SI-878C. Tag the valve in the open position. Tag its breaker, B52-422F, in the open position.

OPS

Date 10-30-96

- b. Remove the existing support bracket for the valve's motor.
- c. Fabricate a replacement support bracket for the valve's motor. Any details not shown on installation drawing, SK-MR-96-026-27 sheet 1, are to match the existing valve motor support bracket. Refer to notes 5 and 6 on the installation drawing for details.
- d. Install the replacement valve motor support bracket. Refer to the installation drawing, especially notes 1 and 5, for details.
- e. Clear the tags for valve 2-SI-878C and its breaker, B52-422F. Electrically close valve 2-SI-878C.

NOTE: *Field welding requires an Ignition Control Permit.*

- f. Modify the support's base plate as shown on the installation drawing, SK-MR-96-026-27, sheet 2.
- g. Remove all construction debris.
- h. The support is modified as shown on the installation drawings and all construction debris has been cleaned up.

*

MTN

MCTW C56

Date 11-20-96

* To facilitate removal of existing motor support bracket it was necessary to cut the support. That support piece was welded back in place.

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3.10.5 ANI HOLD POINT: Contact the ANI, who will inspect the new welds on support SI-878C-1. SUPPORTS SI-878A-1 AND SI-878C-1.

ANI

ate 12/6/96

3.10.6 NDE HOLD POINT:

- Inspect the new structural welds for support SI-878C-1.
- Inspect the valve motor support bracket installations and general configuration of supports 2-SI-878A-1 and 2-SI-878C-1. VT-3 is required.

NDE

Date 12-6-96

3.10.7 PURPOSE

The purpose of this test is to verify the operability of the following valves:

2SI-878A Reactor Vessel SI Isolation MOV
2SI-878C Reactor Vessel SI Isolation MOV

3.10.8 PRECAUTIONS AND LIMITATIONS

- For the purposes of valve stroke testing, stroke time is the time it takes the valve to go from full open to full shut or full shut to full open, by the control board indication. The stopwatch should be started at the moment the control switch is actuated.
- Technical Specification 15.3.2.A states, "When fuel is in the reactor, there shall be at least one flow path to the core for boric acid injection."

3.10.9 INITIAL CONDITIONS

- A stopwatch is available to time the stroking of valves.

ID No. JPSSW-10

INITIALS

REFER TO
TEMPORARY
PROCEDURE
CHANGE.

12/7/96

(ANI INFORMED
OF THIS CHANGE.)

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INITIALS

b. **Permission to Perform Test**

Permission is granted to perform this test.

DSS _____ Time 1953 Date 12/6/96

3.10.10 PROCEDURE

a. Test of 2SI-878A, RV Injection MOV

1. Open 2SI-878A. 1 _____
2. Time to open. 9.27 sec. 1 _____
3. Check the rising stem position indicator for open indication. 1 _____
4. Shut 2SI-878A. 1 _____
5. Time to shut. 8.97 sec. 2 _____
6. Check the rising stem position indicator for shut indication. 1 _____

b. Test of 2SI-878C, RV Injection MOV

1. Open 2SI-878C. 4 _____
2. Time to open. 9.11 sec. 2 _____
3. Check the rising stem position indicator for open indication. 1 _____
4. Shut 2SI-878C. _____
5. Time to shut. 8.74 sec. 1 _____
6. Check the rising stem position indicator for shut indication. 1 _____
7. Check valve operability by comparing the valve data with the limits in the Operations Standing Order for 2SI-878 A&C. 4 _____

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3.10.11 ANALYSIS

INITIALS

**TO BE COMPLETED WITHIN 96 HOURS BY OPERATIONS
MANAGER OF HIS REPRESENTATIVE.**

a. Comparisons with allowable ranges of test values and
analysis of deviations complete. _____

b. Any requirements for corrective action? _____

☐ Yes ☒ No

(If yes, give details in the remarks section.)

c. Data analyzed by _____

Time and date 0625 / 12-1-96

Remarks:

3.10.12 Paint (item 29) all welds and structural components on support SI-878C-1 and the new valve the motor support brackets for supports 2-SI-878A-1 and 2-SI-878C-1. Take care not to leave paint on the Safety Injection Piping.

3.10.13 The modification of "B" train SI valve supports in containment is complete. All welds and structural components on support SI-878C-1 and the valve motor support brackets on supports SI-878A-1 and SI-878C-1 have been painted. No paint was left on any of the Safety Injection piping. All construction debris has been cleaned up.

MTN 4 Date 12-20-96

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3.11 Installation Complete

3.11.1 As-Built Description

The installation was performed in accordance with this IWP and: Drawings
SK-MR-96-026-01 revision 0, SK-MR-96-026-02 revision 0,
SK-MR-96-026-03 revision 0, SK-MR-96-026-04 revision 1,
SK-MR-96-026-05 revision 1, SK-MR-96-026-06 sheet 1 revision 0,
SK-MR-96-026-06 sheet 2 revision 0, SK-MR-96-026-07 revision 0,
SK-MR-96-026-08 revision 0, SK-MR-96-026-09 revision 0,
SK-MR-96-026-10 revision 0, SK-MR-96-026-11 revision 0,
SK-MR-96-026-12 revision 0, SK-MR-96-026-13 revision 0,
SK-MR-96-026-14 revision 0, SK-MR-96-026-15 revision 0,
SK-MR-96-026-16 revision 0, SK-MR-96-026-17 revision 1,
SK-MR-96-026-18 revision 0, SK-MR-96-026-19 revision 0,
SK-MR-96-026-20 revision 1, SK-MR-96-026-21 revision 2,
SK-MR-96-026-22 revision 0, SK-MR-96-026-23 sheet 1 revision 0,
SK-MR-96-026-24 sheet 2 revision 0, SK-MR-96-026-25 revision 3,
SK-MR-96-026-26 revision 2, SK-MR-96-026-27 sheet 1 revision 2,
SK-MR-96-026-27 sheet 2 revision 0 and SK-MR-96-026-28 revision 0.

ECRs 96-0119, 96-0120, 96-0123, 96-0125

CRs QCR 96-097

Other considerations DRAWINGS SK-MR-96-026-24 REVISION 3

SHEET 1, SK-MR-96-026-24 SHEET 2 REVISION 1

SK-MR-96-026-25 SHEET 2 REVISION 2

3.11.2 Record all applicable QAR numbers on the WO.

3.11.3 List all calibrated equipment used during the installation of this modification in the WO.

3.11.4 As-built dimensions and weld details shall, if there were deviations from the specifications, be documented on the working drawings that were issued for construction. Attach any additional as-built documentation to this IWP.

3.11.5 The installation of this IWP is complete.

I.S. _____ Date 1-3-97

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4.0 POST-MAINTENANCE TESTING

- 4.1 Non-Destructive Examinations, Visual Test VT-3, were performed. Refer to the testing requirements, as included with each support's installation.
- 4.2 Attach any additional testing documentation and copies of the VT-3 documents to this IWP.
- 4.3 Operability testing was performed for Safety Injection valves 2-SI-878A, 2-SI-878B, 2-SI-878C and 2-SI-878D in Sections 3.9 and 3.10.

5.0 RESTORATION

5.1 Preacceptance

The final approvals are complete for all applicable ECRs.

R.E. IC Date 1/2/97

5.2 System Restoration

- 5.2.1 All tagouts and installation permits are closed out.

I.S. Date 12-28-96

- 5.2.2 This modification's installation is ready for release to Operations.

R.E. Date 1/2/97

6.0 ACCEPTANCE

- 6.1 This IWP is complete. The responsible engineer has walked down all of the piping support installations to ensure that the modifications were incorporated as intended.

R.E. Date 1/2/97

- 6.2 This modification's installation is complete. It has been tested and is accepted for operation. The MS, FW, AFW and SI systems are aligned per the DSS.

DSS Date 1/12/97

- 6.3 Return this IWP to the Responsible Engineer, Mark Smith.

**POINT BEACH NUCLEAR PLANT
TEMPORARY CHANGE REVIEW AND APPROVAL**

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NOTE: REFER TO PROCEDURE NP 1.2.3 FOR GUIDANCE TO COMPLETE THIS FORM.

1. DOC NUMBER/TITLE IWP 96-026-01, UZR22 INSTALLATION
AND MODIFICATION OF IEB 79-14 PIPE SUPPORTS
2. Revision Number/Date REV. 0 10/25/96
3. UNIT: ☐ FBI ☒ PB2 ☐ PB0
4. Temporary Change Initiated By: _____ Date 12/7/96
5. If the procedure is of a non-signoff type, list affected manual locations on form PBF-0026h and attach.
6. List the changes, including step number, change, and reason. This shall be done on form PBF-0026c (Procedure Review and Approval Continuation Sheet). Attach the changes to this form.

REQUIREMENTS

1. The procedure changes initiated by this form do not change the intent of the procedure.
2. Is screening for 10 CFR 50.59 or 72.48 applicability required in accordance with NP 10.3.1. If YES, attach applicable portions of form PBF-1515.
If NO, explain: REVIEWED SER 96-121. NO AFFECT ON THAT SER.
3. Temporary Change Valid Until COMPLETION OF PROCEDURE.
4. Temporary change duration greater than 7 days? _____

NOTE: Tracking not required for special test procedures such as PBTPs, IWPs, SMPs, ICP II Series. Operations > 40-month tests & procedures.

5. If yes, then temporary change tracking has been placed into effect. _____ Initi _____ Date 12/7/96
6. If this procedure change implements a temporary change/modification to the facility, then a temporary modification form, SF-345 shall be completed as described in NP-7.3.1. NOT APPLICABLE.
7. If other groups have procedures which may be affected by these changes, then notification shall be made. Groups/Individuals notified: NOT REQUIRED.
8. Should a Permanent Procedure Change be considered? ☐ Yes ☒ No

APPROVAL PRIOR TO USE

SINGLE-USE PROCEDURE FOR UZR22 ONLY.

NOTES: (1) The initiator and the approver shall not be the same person.

(2) If a 10CFR 50.59 screening determines that a safety evaluation is required, then this temporary change shall not be used until the subsequent review and approvals have been obtained.

Date 12/7/96

Date 12-7-96

Time 1020

Cognizant Group Head for non-Operations MAJOR PROCEDURES

Duty & Call Superintendent (For MAJOR Procedures ONLY)

Cognizant Supervisor for non-Operations MINOR PROCEDURES

Plant Manager (For SECURITY PLAN IMPLEMENTING Procedures ONLY)

DSS for all OPERATIONS PROCEDURES

Security Supervisor for SECURITY PLAN IMPLEMENTING PROCEDURES

SUBSEQUENT REVIEW AND APPROVAL

MAJOR	Manager's Supervisory Staff Review**		MSSM _____
	Date _____ (For the MSS)	Date _____ PBNP Manager Approval	
**Form PBF-0026d shall accompany this sheet if serial review and approval was conducted.			
MINOR	<u>12-7-96</u> Cognizant Group Head		
NNSR, SPECIAL PROCESS, ADMIN SECURITY, CONTROLLED REFERENCE	Date _____ Cognizant Group Head	Date _____ PBNP Manager Approval (If Required)	
	Date _____ Other Approval (If Required)	Date _____ Other Approval (If Required)	

11 MORE
2 OF 3

Revision 6 Date 10/25/96

Step	Change/Reason
3.105	ADD SUPPORT SI-878-A1 TO THE LIST OF SUPPORTS FOR ANI INSPECTION. (REFER TO IWP 96-0125.)

NONE REQUIRED.

NONE RETAINED.

Initials

NEW DOCUMENT AND DOCUMENT REVISION - REVIEW & APPROVAL FORM

Page 1 of 1

Doc. Number	IWP 96-026-01	Unit	PB2	Rev	0	Date	OCT 25 1996	(← Staff Services to fill in)
Doc. Title	MODIFICATION 96-026 U2R22 INSTALLATION AND MODIFICATION OF IEB 79-14 PIPE SUPPORTS							
INITIATION/CHANGE		For procedures only →		Classification		MINOR		Usage Level
								CONTINUOUS

Step	Describe Change/Reason	
1	NEW PROCEDURE, REV. 0	
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Yes ☒ No ☐ NA ☐ Temporary Changes Incorporated: ☐ Yes ☐ No ☒ NA Use PBF-0026c for additional description of changes.

☒ Is screening for 10 CFR 50.59 or 72.48 applicability required per NP 10.3.1? If yes, attach applicable portions of form PBF-1515.

If no, explain: SAFETY EVALUATION IS TO BE REVIEWED IN MSSM FOR 10/24/96

☐ Is screening for infrequently performed tests or evolutions (NP 1.2.6) required? If yes, attach form PBF-0026j.

☐ Does this procedure change implement a temporary modification? If yes, attach form PBF-1545 as described in NP 7.3.1.

☐ Is training/reading/info message required due to changes? If yes, describe training or required reading on form PBF-0026c and attach. If yes, originator send a copy of PBF-0026a and PBF-0026c to training group.

What is required: ☐ Formal Training ☐ Required Reading ☐ Informational message

When is it required: ☐ Prior to Issue ☐ After Issued

☐ Does procedure (Rev 0) or this change initiate or affect voluntary LCO entry? If yes, attach form PBF-9133.

☐ Does this revision constitute a periodic review as described in NP 1.1.5?

☐ Do equipment record files need to be updated, i.e., ASME XI or group procedure fields? If yes, route equipment record changes to CHAMPS.

Originator(s) Date 10/22/96 Cognizant group(s) Date 10/22/96

Post-typing Cognizant Group Review Date 10/22/96 SEE IWP'S COVER SHEET

Other Review (if required) Date

Training/Reading/Info Message Complete (when required prior to issue) Date

Periodic Review - No Changes/Group Head Date

APPROVALS

MAJOR	Manager's Supervisory Staff Review **		MSSM 196-13
MINOR, Rev 0	Date <u>10/24/96</u>		Date <u>10/24/96</u>
MINOR	Operating Other Procedures		PBNP approval
	Date <u> </u>		RMPs/SMPs
	Cognizant Group Head		Operations Manager
	Date <u> </u>		Date <u> </u>
	Group Head Approval		Manager - Maintenance
	Date <u> </u>		Date <u> </u>
NNSR	Other Approval (If Required)		PBNP Manager Approval (If Required)
SPECIAL PROCESS	Date <u> </u>		Date <u> </u>
FORMS	Other Approval (If Required)		Date <u> </u>
CONT REF DOC	Date <u> </u>		Other Approval (if Required)

(9)

INSTALLATION WORK PLAN

PBN? MINOR PROCEDURE



Check As
Applicable

MAINTENANCE WORK REQUEST WORK PLAN



FOR MODIFICATION# 96-026 , MWR# 9607636

INSTALLATION WORK PLAN TITLE

U2R22 INSTALLATION AND MODIFICATION OF 79-14 PIPE SUPPORTS

UNIT 2



QA-SCOPE



NON QA-SCOPE

Originator

Date 8/24/96

Reviewer

Date 12/2/96

Final Design
Group Head

Date 10-7-96

Quality Engineer

Date 10/21/96

Installation
Group Head

Date 10/17/96

Manager -
Operations or DSS

Date 10/18/96

NOTE: Changes to this work plan must be done with the concurrence of the responsible or team engineer and the installation supervisor, or as delineated within the IWP.