

2-15-85

SAN-ONOFRE NUCLEAR GENERATING STATION
UNITS 2 AND 3

OPERATING INSTRUCTION S023-3-2.7
REVISION 7 PAGE 1 OF 8
ATTACHMENT 8.3
CHECK-OFF LIST 3
TCN 7-8

HIGH PRESSURE SAFETY INJECTION SYSTEM
ELECTRICAL LINE-UP - UNIT 2

DATE 2-15-85 TIME 2020

1.0 PREREQUISITES

INITIALS

1.1 Prior to use of an uncontrolled (pink) copy of this Station Document to perform work, verify that it is current by checking a controlled copy an any TCNs or by use of the method described in S0123-VI-1.0.

LB

1.1.1 List all applicable TCNs or write N.A.

7-8

1.2 On-shift SRO-Operations Supervisor approval obtained.
(SRO OPS SUPV Initials)

LB

- NOTE: (1) May be closed if in Modes 3, 4 or 5 with Pressurizer pressure less than 715 psia.
(2) Requires a manual reset on a loss of power.

NOTE: All locked breakers are locked with an ESF lock.

2.0 PROCEDURE

2.1 Control Room Key Switches

CAUTION Before energizing breaker, verify key switch
===== position is selected to match actual valve position.

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>NOTE</u>	<u>REQUIRED STATUS</u>	<u>INITIALS 1ST/2ND</u>
2.1.1	2BE-10	2HV-9350, SIT 2T-007 (1) Discharge Valve		LOCKED OPEN	<u>LB</u>
2.1.2	2BE-11	2HV-9360, SIT 2T-009 (1) Discharge Valve		LOCKED OPEN	<u>LB</u>
2.1.3	2BY-09	2HV-9306, SI Pumps Mini-Flow		CLOSED	<u>LB</u>
2.1.4	2BY-13	2HV-9307, SI Pumps Mini-Flow		CLOSED	<u>LB</u>
2.1.5	2BY-41	2HV-9300, RWST 2T-005 Outlet Valve		CLOSED	<u>LB</u>

8508150210 850717
PDR F01A
BELL85-425

2.0 PROCEDURE (Continued)

STEP	COMPONENT	DESCRIPTION	NOTE	REQUIRED STATUS	INITIALS 1ST/2ND
2.1.6	2BJ-06	2HV-9340, SIT 2T-008 Discharge Valve	(1)	LOCKED OPEN	<u>W/101 R</u>
2.1.7	2BJ-07	2HV-9370 SIT 2T-010 Discharge Valve	(1)	LOCKED OPEN	<u>W/101 R</u>
2.1.8	2BJ-09	2HV-9347, SI Pumps Mini-Flow		CLOSED	<u>W/101 R</u>
2.1.9	2BJ-13	2HV-9348, SI Pump Mini-Flow		CLOSED	<u>W/101 R</u>
2.1.10	2BZ-28	2HV-9301, RWST 2T-006 Outlet Valve		CLOSED	<u>W/101 R</u>
2.2 ESF Switchgear Room Train A MCCs					
2.2.1	2BE-09	2HV-9334, SIT's Drain Header to RWT		CLOSED	<u>W/101 R</u>
2.2.2	2BE-18	2HV-9327, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.3	2BE-19	2HV-9330, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.4	2BE-22	2HV-9324, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.5	2BE-23	2HV-9333, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.6	2BE-35	2HV-9305, Containment Emer. Sump Outlet Valve		CLOSED	<u>W/101 R</u>
2.2.7	2BY-28	2HV-9303, Containment Emer. Sump Outlet Valve		CLOSED	<u>W/101 R</u>
2.2.8	2BY-29	2HV-9420, HPSI #1 Header Hot Leg Injection		LOCKED OPEN	<u>W/101 R</u>
2.3 ESF Switchgear Room Train B MCCs					
2.3.1	2BJ-14	2HV-9323, HPSI #2 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.3.2	2BJ-15	2HV-9332, HPSI #2 Header Injection Valve		CLOSED	<u>W/101 R</u>

NOTE: (1) May be closed if in Modes 3, 4 or 5 with Pressurizer pressure less than 715 psia.

2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.3.3	2BJ-18	2HV-9326, HPSI #2 Header Injection Valve	CLOSED	<i>[Signature]</i>
2.3.4	2BJ-19	2HV-9329, HPSI #2 Header Injection Valve	CLOSED	<i>[Signature]</i>
2.3.5	2BJ-33	2HV-9302, Containment Emer. Sump Outlet Valve	CLOSED	<i>[Signature]</i>
2.3.6	2BJ-34	2HV-9304, Containment Emer. Sump Outlet Valve	CLOSED	<i>[Signature]</i>
2.3.7	2BZ-39	2HV-9434, HPSI #2 Header Hot Leg Injection Valve	LOCKED OPEN	<i>[Signature]</i>
2.3.8	2BJ-22	HV-0508, RCS T _H #1 Sample Valve	CLOSED	<i>[Signature]</i>
2.3.9	2BJ-27	2HV-0512, PZR Sample Valve	CLOSED	<i>[Signature]</i>
2.3.10	2BJ-23	2HV-0517, RCS T _H #2 Sample	CLOSED	<i>[Signature]</i>
2.3.11	2BJ-26	2HV-0510, PZR Vapor Sample Valve	CLOSED	<i>[Signature]</i>
2.4	45' Penetration			
2.4.1	2BA-59	2HV-9335 SIT's Tank Drain Header to RCS Drain Tank	CLOSED	<i>[Signature]</i>
2.5	At Shutdown Panel 2L-42			
2.5.1	2HS-9350C1	SI Tank 2T-007 S.W. Outlet "Local/Control Room" Selector Switch	CONTROL ROOM	<i>[Signature]</i>
2.5.2	2HS-9360C1	SI Tank 2T-009 Outlet "Local/Control Room" Selector Switch	CONTROL ROOM	<i>[Signature]</i>

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2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>NOTE</u>	<u>REQUIRED STATUS</u>	<u>INITIALS 1ST/2ND</u>
2.5.3	2HS-9340C2	SI Tank 2T-008 Outlet "Local/Control Room" Selector Switch		CONTROL ROOM	<i>[Signature]</i> <i>[Signature]</i>
2.5.4	2HS-9370C2	SI Tank 2T-010 Outlet "Local/Control Room" Selector Switch		CONTROL ROOM	<i>[Signature]</i> <i>[Signature]</i>
2.6 <u>Inside Panel 2L-071</u>					
2.6.1	2L071-1F-DS712	SIT 2T-009 Fill and Drain Valve 2HV-9362	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.2	2L071-1F-DS715	SIT 2T-010 Fill and Drain Valve 2HV-9372	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.3	2L071-2F-DS706	SIT 2T-008 Fill and Drain Valve 2HV-9342	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.4	2L071-2F-DS707	SIT 2T-008 Nitrogen Supply Valve 2HV-9344	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.5	2L071-2F-DS709	SIT 2T-007 Fill and Drain Valve 2HV-9352	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.6	2L071-2F-DS710	SIT 2T-007 Nitrogen Supply Valve 2HV-9354	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.7	2L071-2F-DS713	SIT 2T-009 Nitrogen Supply Valve 2HV-9364	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.8	2L071-2F-DS716	SIT 2T-010 Nitrogen Supply Valve 2HV-9374	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>

NOTE: (2) Requires a manual reset on a loss of power.

2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.6.9	2L071-3F-DS401	SI Header Check Valve Leakage Drain Valve 2HV-9351	CLOSED	<u>JM/101 R</u>
2.6.10	2L071-3F-DS402	SI Header Check Valve Leakage Drain Valve 2HV-9361	CLOSED	<u>JM/101 R</u>
2.6.11	2L071-5F-DS454 & DS455	SIT 2T-008 Vent Valve 2HV-9345	CLOSED	<u>C. Smith</u>
2.6.12	F-19/F-20	2HV-9345 Fuses	INSTALLED	<u>JM/101 R</u>
2.6.13	2L071-5F-DS456	Number One Header HP Hot Leg Injection Line Drain Valve 2HV-9433	CLOSED	<u>JM/101 R</u>
2.6.14	2L071-5F-DS463 & DS464	SIT 2T-010 Vent Valve 2HV-9375	CLOSED	<u>JM/101 R</u>
2.6.15	F-23/F-24	2HV-9375 Fuses	INSTALLED	<u>JM/101 R</u>
2.6.16	2L071-3R-DS401	SI Header Check Valve Leakage Drain Valve 2HV-9341	CLOSED	<u>JM/101 R</u>
2.6.17	2L071-3R-DS402	SI Header Check Valve Leakage Drain Valve 2HV-9371	CLOSED	<u>JM/101 R</u>
2.6.18	2L071-3R-DS-445 2HV-9365	SIT 2T-009 Vent Valve 2HV-9365	CLOSED	<u>C. Smith</u>
2.6.19	F-52/F-53	2HV-9365 Fuses	INSTALLED	<u>JM/101 R</u>

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2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.6.20	2L071-3R-DS447	Number Two Header HP Hot Leg Injection Drain Valve 2HV-9437	CLOSED	<i>[Signature]</i> 12/10/12
2.6.21	2L071-3R-DS456	SIT 2T-007 Vent Valve 2HV-9355	CLOSED	<i>[Signature]</i> 12/10/12
2.6.22	F-56/F-57	2HV-9355 Fuses	INSTALLED	<i>[Signature]</i> 12/10/12
2.6.23	2L071-3F-DS811	Train A SIAS Automatic Alert system to OES in Sacramento	CLOSED	<i>[Signature]</i> 12/10/12
2.6.24	2L071-3R-DS911	Train B SIAS automatic alert system to OES in Sacramento	CLOSED	<i>[Signature]</i> 12/10/12
2.6.25	2HS-8998	Automatic Alert System alarm Bypass keyswitch at 2L-492	OPERATE/ Key Removed	<i>[Signature]</i> 12/10/12
2.6.26	2RL071-3F DS421; SW8	2HV-0509; RCS T _H #1 Sample Valve	CLOSED	<i>[Signature]</i> 12/10/12
2.6.27	2RL071-4F- DS422; SW36	2HV-0513, PZR Sample Valve	CLOSED	<i>[Signature]</i> 12/10/12
2.6.28	2RL071-DS-420	2HV-0511, PZR Vapor Sample Valve	CLOSED	<i>[Signature]</i> 12/10/12

2.7 Electrical Line-Up for Containment Pressure

2.7.1	2RL071-5F DS459; SW44	2HV-0352-A Power Supply	CLOSED	<i>[Signature]</i> 12/10/12
2.7.2	2RL071-5R DS454; SW90	2HV-0352-B Power Supply	CLOSED	<i>[Signature]</i> 12/10/12
2.7.3	2RL071-5R DS401; SW77	2HV-0352-C Power Supply	CLOSED	<i>[Signature]</i> 12/10/12
2.7.4	2RL071-5R DS201; SW79	2HV-0352-D Power Supply	CLOSED	<i>[Signature]</i> 12/10/12

2.0 PROCEDURE (Continued)

2.8 The following aligns the Emerg. Evacuation Sirens to prevent an inadvertent actuation. If sirens are in service, N/A step 2.7.1: (When in service, 2HS-7890-1 Green light indicates STOP).

2.8.1 Verify open or open:

.1.1 BQ-13	Emerg. Siren Cont. Pnl	OPEN	<i>[Signature]</i> NA
.1.2 BQ-26	Emerg. Siren Cont. Pnl	OPEN	<i>[Signature]</i> NA
.1.3 Q033 bkr 11	Electronic Siren	OPEN	<i>[Signature]</i> NA
.1.4 Q033 bkr 13	Electronic Siren	OPEN	<i>[Signature]</i> NA
.1.5 Q033 bkr 15	Electronic Siren	OPEN	<i>[Signature]</i> NA

2.8.2 Verify or perform:

.2.1 BQ-27	Q033 pwr. supply	CLOSED	<i>[Signature]</i> NA
.2.2 Q033 bkr 14	Aux. Emerg. Siren	CLOSED	<i>[Signature]</i> NA
.2.3 L344 DS-15	Aux. Emerg. Siren	CLOSED	<i>[Signature]</i> NA
.2.4 2HS-7890-1	Emerg. Evac. Siren	STOP	<i>[Signature]</i> NA
.2.5 3HS-7890-1	Emerg. Evac. Siren	STOP	<i>[Signature]</i> NA

2.8.3 Verify closed or close:

.3.1 Q033 bkr 11	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.2 Q033 bkr 13	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.3 Q033 bkr 15	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.4 BQ-13	Emerg. Siren Cont. Pnl	CLOSED	<i>[Signature]</i> NA
.3.5 BQ-26	Emerg. Siren Cont. pnl	CLOSED	<i>[Signature]</i> NA

PERFORMED BY: *[Signature]*
Operator Initial

DATE/TIME 02-15-85/2200

PERFORMED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 3-16-85/0245

PERFORMED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 3-10-85 KAD

VERIFIED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 2/15/85 2200

VERIFIED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 2-16-85 0030

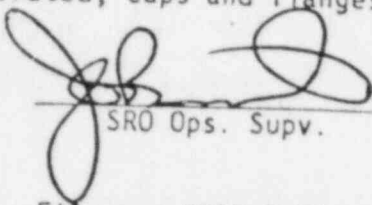
3-10-85

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 2 AND 3

OPERATING INSTRUCTION S023-3-2.7
REVISION 7 PAGE 8 OF 8
ATTACHMENT 8.3
CHECK-OFF LIST 3
TCN 7-8

NOTE: SRO Ops. Supv. shall not sign "Reviewed By" until all comments in relation to this Check-Off List have been resolved i.e.: TCNs written and incorporated, caps and flanges installed, locks and chains in place, etc.

REVIEWED BY:


SRO Ops. Supv.

DATE/TIME 3-10-85 1700

FILE DISPOSITION: File per S023-0-28

COMMENTS:

2-15-85

SAN-ONOFRE NUCLEAR GENERATING STATION
UNITS 2 AND 3

OPERATING INSTRUCTION S023-3-2.7
REVISION 7
ATTACHMENT 8.3
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PAGE 1 OF 8

HIGH PRESSURE SAFETY INJECTION SYSTEM
ELECTRICAL LINE-UP - UNIT 2

DATE 2-15-85 TIME 2020

1.0 PREREQUISITES

INITIALS

1.1 Prior to use of an uncontrolled (pink) copy of this Station Document to perform work, verify that it is current by checking a controlled copy an any TCNs or by use of the method described in S0123-VI-1.0.

LB

1.1.1 List all applicable TCNs or write N.A.
7-8

1.2 On-shift SRO-Operations Supervisor approval obtained.
(SRO OPS SUPV Initials)

LB

NOTE: (1) May be closed if in Modes 3, 4 or 5 with Pressurizer pressure less than 715 psia.
(2) Requires a manual reset on a loss of power.

NOTE: All locked breakers are locked with an ESF lock.

2.0 PROCEDURE

2.1 Control Room Key Switches

CAUTION Before energizing breaker, verify key switch position is selected to match actual valve position.

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>NOTE</u>	<u>REQUIRED STATUS</u>	<u>INITIALS 1ST/2ND</u>
2.1.1	2BE-10	2HV-9350, SIT 2T-007 (1) Discharge Valve		LOCKED OPEN	<u>LB</u>
2.1.2	2BE-11	2HV-9360, SIT 2T-009 (1) Discharge Valve		LOCKED OPEN	<u>LB</u>
2.1.3	2BY-09	2HV-9306, SI Pumps Mini-Flow		CLOSED	<u>LB</u>
2.1.4	2BY-13	2HV-9307, SI Pumps Mini-Flow		CLOSED	<u>LB</u>
2.1.5	2BY-41	2HV-9300, RWST 2T-005 Outlet Valve		CLOSED	<u>LB</u>

2.0 PROCEDURE (Continued)

STEP	COMPONENT	DESCRIPTION	NOTE	REQUIRED STATUS	INITIALS 1ST/2ND
2.1.6	2BJ-06	2HV-9340, SIT 2T-008 Discharge Valve	(1)	LOCKED OPEN	<u>W/101 R</u>
2.1.7	2BJ-07	2HV-9370 SIT 2T-010 Discharge Valve	(1)	LOCKED OPEN	<u>W/101 R</u>
2.1.8	2BJ-09	2HV-9347, SI Pumps Mini-Flow		CLOSED	<u>W/101 R</u>
2.1.9	2BJ-13	2HV-9348, SI Pump Mini-Flow		CLOSED	<u>W/101 R</u>
2.1.10	2BZ-28	2HV-9301, RWST 2T-006 Outlet Valve		CLOSED	<u>W/101 R</u>

2.2 ESF Switchgear Room Train A MCCs

2.2.1	2BE-09	2HV-9334, SIT's Drain Header to RWT		CLOSED	<u>W/101 R</u>
2.2.2	2BE-18	2HV-9327, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.3	2BE-19	2HV-9330, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.4	2BE-22	2HV-9324, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.5	2BE-23	2HV-9333, HPSI #1 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.2.6	2BE-35	2HV-9305, Containment Emer. Sump Outlet Valve		CLOSED	<u>W/101 R</u>
2.2.7	2BY-28	2HV-9303, Containment Emer. Sump Outlet Valve		CLOSED	<u>W/101 R</u>
2.2.8	2BY-29	2HV-9420, HPSI #1 Header Hot Leg Injection		LOCKED OPEN	<u>W/101 R</u>

2.3 ESF Switchgear Room Train B MCCs

2.3.1	2BJ-14	2HV-9323, HPSI #2 Header Injection Valve		CLOSED	<u>W/101 R</u>
2.3.2	2BJ-15	2HV-9332, HPSI #2 Header Injection Valve		CLOSED	<u>W/101 R</u>

NOTE: (1) May be closed if in Modes 3, 4 or 5 with Pressurizer pressure less than 715 psia.

2.0 PROCEDURE (Continued)

STEP	COMPONENT	DESCRIPTION	REQUIRED STATUS	INITIALS 1ST/2ND
2.3.3	2BJ-18	2HV-9326, HPSI #2 Header Injection Valve	CLOSED	<i>[Signature]</i>
2.3.4	2BJ-19	2HV-9329, HPSI #2 Header Injection Valve	CLOSED	<i>[Signature]</i>
2.3.5	2BJ-33	2HV-9302, Containment Emer. Sump Outlet Valve	CLOSED	<i>[Signature]</i>
2.3.6	2BJ-34	2HV-9304, Containment Emer. Sump Outlet Valve	CLOSED	<i>[Signature]</i>
2.3.7	2BZ-39	2HV-9304, HPSI #2 Header Hot Leg Injection Valve	LOCKED OPEN	<i>[Signature]</i>
2.3.8	2BJ-22	HV-0508, RCS T _H #1 Sample Valve	CLOSED	<i>[Signature]</i>
2.3.9	2BJ-27	2HV-0512, PZR Sample Valve	CLOSED	<i>[Signature]</i>
2.3.10	2BJ-23	2HV-0517, RCS T _H #2 Sample	CLOSED	<i>[Signature]</i>
2.3.11	2BJ-26	2HV-0510, PZR Vapor Sample Valve	CLOSED	<i>[Signature]</i>
2.4	45' Penetration			
2.4.1	2BA-59	2HV-9335 SIT's Tank Drain Header to RCS Drain Tank	CLOSED	<i>[Signature]</i>
2.5	At Shutdown Panel 2L-42			
2.5.1	2HS-9350C1	SI Tank 2T-007 S.W. Outlet "Local/Control Room" Selector Switch	CONTROL ROOM	<i>[Signature]</i>
2.5.2	2HS-9360C1	SI Tank 2T-009 Outlet "Local/Control Room" Selector Switch	CONTROL ROOM	<i>[Signature]</i>

TCN 6-2-82

2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>NOTE</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.5.3	2HS-9340C2	SI Tank 2T-008 Outlet "Local/Control Room" Selector Switch		CONTROL ROOM	<i>[Signature]</i> <i>[Signature]</i>
2.5.4	2HS-9370C2	SI Tank 2T-010 Outlet "Local/Control Room" Selector Switch		CONTROL ROOM	<i>[Signature]</i> <i>[Signature]</i>

2.6 Inside Panel 2L-071

2.6.1	2L071-1F-DS712	SIT 2T-009 Fill and Drain Valve 2HV-9362	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.2	2L071-1F-DS715	SIT 2T-010 Fill and Drain Valve 2HV-9372	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.3	2L071-2F-DS706	SIT 2T-008 Fill and Drain Valve 2HV-9342	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.4	2L071-2F-DS707	SIT 2T-008 Nitrogen Supply Valve 2HV-9344	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.5	2L071-2F-DS709	SIT 2T-007 Fill and Drain Valve 2HV-9352	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.6	2L071-2F-DS710	SIT 2T-007 Nitrogen Supply Valve 2HV-9354	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.7	2L071-2F-DS713	SIT 2T-009 Nitrogen Supply Valve 2HV-9364	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>
2.6.8	2L071-2F-DS716	SIT 2T-010 Nitrogen Supply Valve 2HV-9374	(2)	CLOSED	<i>[Signature]</i> <i>[Signature]</i>

NOTE: (2) Requires a manual reset on a loss of power.

2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.6.9	2L071-3F-DS401	SI Header Check Valve Leakage Drain Valve 2HV-9351	CLOSED	<u>JM/101 R</u>
2.6.10	2L071-3F-DS402	SI Header Check Valve Leakage Drain Valve 2HV-9361	CLOSED	<u>JM/101 R</u>
2.6.11	2L071-5F-DS454 & DS455	SIT 2T-008 Vent Valve 2HV-9345	CLOSED	<u>C. [Signature]</u>
2.6.12	F-19/F-20	2HV-9345 Fuses	INSTALLED	<u>JM/101 R</u>
2.6.13	2L071-5F-DS456	Number One Header HP Hot Leg Injection Line Drain Valve 2HV-9433	CLOSED	<u>JM/101 R</u>
2.6.14	2L071-5F-DS463 & DS464	SIT 2T-010 Vent Valve 2HV-9375	CLOSED	<u>JM/101 R</u>
2.6.15	F-23/F-24	2HV-9375 Fuses	INSTALLED	<u>JM/101 R</u>
2.6.16	2L071-3R-DS401	SI Header Check Valve Leakage Drain Valve 2HV-9341	CLOSED	<u>JM/101 R</u>
2.6.17	2L071-3R-DS402	SI Header Check Valve Leakage Drain Valve 2HV-9371	CLOSED	<u>JM/101 R</u>
2.6.18	2L071-3R-DS-445 2HV-9365	SIT 2T-009 Vent Valve 2HV-9365	CLOSED	<u>C. [Signature]</u>
2.6.19	F-52/F-53	2HV-9365 Fuses	INSTALLED	<u>JM/101 R</u>

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24 |

24 |

2.0 PROCEDURE (Continued)

<u>STEP</u>	<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>REQUIRED STATUS</u>	<u>INITIALS</u> <u>1ST/2ND</u>
2.6.20	2L071-3R-DS447	Number Two Header HP Hot Leg Injection Drain Valve 2HV-9437	CLOSED	<i>[Signature]</i> 1/21/12
2.6.21	2L071-3R-DS456	SIT 2T-007 Vent Valve 2HV-9355	CLOSED	<i>[Signature]</i> 1/21/12
2.6.22	F-56/F-57	2HV-9355 Fuses	INSTALLED	<i>[Signature]</i> 1/21/12
2.6.23	2L071-3F-DS811	Train A SIAS Automatic Alert system to OES in Sacramento	CLOSED	<i>[Signature]</i>
2.6.24	2L071-3R-DS911	Train B SIAS automatic alert system to OES in Sacramento	CLOSED	<i>[Signature]</i> 1/21/12
2.6.25	2HS-8998	Automatic Alert System alarm Bypass keyswitch at 2L-492	OPERATE/ Key Removed	<i>[Signature]</i> 1/21/12
2.6.26	2RL071-3F DS421; SW8	2HV-0509; RCS T _H #1 Sample Valve	CLOSED	<i>[Signature]</i> 1/21/12
2.6.27	2RL071-4F- DS422; SW36	2HV-0513, PZR Sample Valve	CLOSED	<i>[Signature]</i> 1/21/12
2.6.28	2RL071-DS-420	2HV-0511, PZR Vapor Sample Valve	CLOSED	<i>[Signature]</i> 1/21/12

2.7 Electrical Line-Up for Containment Pressure

2.7.1	2RL071-5F DS459; SW44	2HV-0352-A Power Supply	CLOSED	<i>[Signature]</i> 1/21/12
2.7.2	2RL071-5R DS454; SW90	2HV-0352-B Power Supply	CLOSED	<i>[Signature]</i> 1/21/12
2.7.3	2RL071-5R DS401; SW77	2HV-0352-C Power Supply	CLOSED	<i>[Signature]</i> 1/21/12
2.7.4	2RL071-5R DS201; SW79	2HV-0352-D Power Supply	CLOSED	<i>[Signature]</i> 1/21/12

2.0 PROCEDURE (Continued)

2.8 The following aligns the Emerg. Evacuation Sirens to prevent an inadvertent actuation. If sirens are in service, N/A step 2.7.1. (When in service, 2HS-7890-1 Green light indicates STOP).

2.8.1 Verify open or open:

.1.1 BQ-13	Emerg. Siren Cont. Pnl	OPEN	<i>[Signature]</i> NA
.1.2 BQ-26	Emerg. Siren Cont. Pnl	OPEN	<i>[Signature]</i> NA
.1.3 Q033 bkr 11	Electronic Siren	OPEN	<i>[Signature]</i> NA
.1.4 Q033 bkr 13	Electronic Siren	OPEN	<i>[Signature]</i> NA
.1.5 Q033 bkr 15	Electronic Siren	OPEN	<i>[Signature]</i> NA

2.8.2 Verify or perform:

.2.1 BQ-27	Q033 pwr. supply	CLOSED	<i>[Signature]</i> NA
.2.2 Q033 bkr 14	Aux. Emerg. Siren	CLOSED	<i>[Signature]</i> NA
.2.3 L344 DS-15	Aux. Emerg. Siren	CLOSED	<i>[Signature]</i> NA
.2.4 2HS-7890-1	Emerg. Evac. Siren	STOP	<i>[Signature]</i> NA
.2.5 3HS-7890-1	Emerg. Evac. Siren	STOP	<i>[Signature]</i> NA

2.8.3 Verify closed or close:

.3.1 Q033 bkr 11	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.2 Q033 bkr 13	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.3 Q033 bkr 15	Electronic Siren	CLOSED	<i>[Signature]</i> NA
.3.4 BQ-13	Emerg. Siren Cont. Pnl	CLOSED	<i>[Signature]</i> NA
.3.5 BQ-26	Emerg. Siren Cont. pnl	CLOSED	<i>[Signature]</i> NA

PERFORMED BY: *[Signature]*
Operator Initial

DATE/TIME 02-15-85/2200

PERFORMED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 2-16-85/0245

PERFORMED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 3-10-85 KAD

VERIFIED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 2/15/85 2200

VERIFIED BY: *[Signature]* *[Signature]*
Operator Initial

DATE/TIME 2-16-85 0030

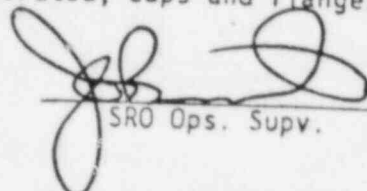
3-10-85

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 2 AND 3

OPERATING INSTRUCTION S023-3-2.7
REVISION 7 PAGE 8 OF 8
ATTACHMENT 8.3
CHECK-OFF LIST 3
TCN 7-8

NOTE: SRO Ops. Supv. shall not sign "Reviewed By" until all comments in relation to this Check-Off List have been resolved i.e.: TCNs written and incorporated, caps and flanges installed, locks and chains in place, etc.

REVIEWED BY:


SRO Ops. Supv.

DATE/TIME 3-10-85 1700

FILE DISPOSITION: File per S023-0-28

COMMENTS:

