

HPSI PUMP P-017 ALIGNMENT

UNIT 2 (2 or 3)

DATE 12 Feb. 85

TIME 2100

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.

CJM

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

TCN# 7-8

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

W/R

- 1.3 If in Mode 4 (write N/A if not), at least one train of HPSI is operable and in service and will not be affected by the performance of this procedure.

N/A

2.0 PROCEDURE

INITIALS  
1ST / 2ND

NOTE: (1) Not applicable if performed in conjunction with Check-Off List 10.

2.1 Placing HPSI P-017 In Service

- 2.1.1 Lock Open HPSI P-017 miniflow recirc. valve S2(3)1204MU034

L/CJM R

- .1 Lock closed HPSI P017 miniflow orifice bypass valve S2(3)1204MU184

P/CJM R  
L/CJM R

- 2.1.2 Lock Open HPSI P-017 suction valve S2(3)1204MU007

L/CJM R

- 2.1.3 Lock Open HPSI P-017 discharge valve S2(3)1204MU012

L/CJM R

- 2.1.4 Open CCW to P-017 valve S2(3)1203MU228

L/CJM R

- 2.1.5 Open CCW from P-017 valve S2(3)1203MU013

L/CJM R

NOTE: Notify Health Physics before venting potentially radioactive water

2.0 PROCEDURE (Continued)

INITIALS  
1ST / 2ND

2.1.6 Vent P-017 suction piping by uncapping  
and venting with P-017 suction vent  
valve S2(3)1204MR088

L. J. M.

2.1.7 Close and cap P-017 suction vent  
valve S2(3)1204MR088

L. J. M. / RL

NOTE: Notify Health Physics before venting  
potentially radioactive water.

2.1.8 Vent P-017 discharge piping by uncapping  
and venting with P-017 miniflow vent  
valve S2(3)1204MR279

L. J. M.

2.1.9 Close and cap P-017 miniflow vent  
valve S2(3)1204MR279

L. J. M. RL

2.1.10 HPSI P-017 Breaker A0408:

RACKED IN  
DC ON  
CLOSING SPRINGS  
CHG MOTOR ENERGIZED.

L. J. M. RL

CAUTION  
=====

If P-018 is not aligned to Train A,  
until P-017 is declared operable  
per step 2.1.11, Train A HPSI is  
not operable. With the plant  
in Modes 1-3, comply with the  
action requirements of Technical  
Specification 3.5.2.

(1)2.1.11 With an operator present at P-017 to  
check for abnormal operation, start  
P-017 and verify P-017 operable as  
follows:

- .1 Verify P-017 starts and develops  
greater than 1400 psig discharge  
pressure as indicated on PI-0308  
(CR-57)
- .2 Verify P-017 exhibits no unusual  
vibration or leakage while running

RL

NOTE:

(1) Not applicable if performed in  
conjunction with Check-Off List 10.

2.0 PROCEDURE (Continued)

INITIALS  
1ST / 2ND

(1)2.1.12 Stop P-017.

SM

NOTE: P-017 is now operable

2.2 Removing P-017 from Service

CAUTION If P-018 is not aligned to Train A,  
===== completing the following steps will  
make Train A HPSI inoperable. With  
the plant in Modes 1-3, comply with  
the action requirements of Technical  
Specification 3.5.2.

- 2.2.1 Turn DC Off and Rack Out HPSI  
P-017 breaker A0408
- 2.2.2 Lock Closed HPSI P-017 miniflow  
recirc valve S2(3)1204MU034
- 2.2.3 Lock Closed HPSI P-017 discharge  
valve S2(3)1204MU012
- 2.2.4 Lock Closed HPSI P-017 suction  
valve S2(3)1204MU007
- 2.2.5 If isolation of CCW to P-017 is  
desired, proceed as follows:  
otherwise, N/A these steps:
  - .1 Close CCW to P-017 valve  
S2(3)1203MU228
  - .2 Close CCW from P-017 valve  
S2(3)1203MU013

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PERFORMED BY:

[Signature]  
Operator

[Initials]  
Initial

DATE/TIME 13 FEB 85 0724

PERFORMED BY:

[Signature]  
Operator

[Initials]  
Initial

DATE/TIME 13 FEB 85 0207

VERIFIED BY:

Clyde J. Mitchell  
Operator

CJM  
Initial

DATE/TIME 12 Feb. 85 / 2231

VERIFIED BY:

[Signature]  
Operator

[Initials]  
Initial

DATE/TIME 2-12-85 / 2237

2-13-85 0144

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:

[Signature]  
(SRO Ops. Supv.)

DATE/TIME 2/13/85 0250

FILE DISPOSITION: File per S023-0-28

COMMENTS:

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HPSI PUMP P-017 ALIGNMENT

UNIT 2 (2 or 3)

DATE 12 Feb 85

TIME 2100

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.

CJM

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

TCN# 7-8

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

W/K

- 1.3 If in Mode 4 (write N/A if not), at least one train of HPSI is operable and in service and will not be affected by the performance of this procedure.

N/A

2.0 PROCEDURE

INITIALS  
1ST / 2ND

- NOTE: (1) Not applicable if performed in conjunction with Check-Off List 10.

2.1 Placing HPSI P-017 In Service

- 2.1.1 Lock Open HPSI P-017 miniflow recirc. valve S2(3)1204MU034

L/CJM R

- .1 Lock closed HPSI P017 miniflow orifice bypass valve S2(3)1204MU184

RMC CJM R  
L/CJM R

- 2.1.2 Lock Open HPSI P-017 suction valve S2(3)1204MU007

L/CJM R

- 2.1.3 Lock Open HPSI P-017 discharge valve S2(3)1204MU012

L/CJM R

- 2.1.4 Open CCW to P-017 valve S2(3)1203MU228

L/CJM R

- 2.1.5 Open CCW from P-017 valve S2(3)1203MU013

L/CJM R

- NOTE: Notify Health Physics before venting potentially radioactive water

2.0 PROCEDURE (Continued)

INITIALS  
1ST / 2ND

2.1.6 Vent P-017 suction piping by uncapping  
and venting with P-017 suction vent  
valve S2(3)1204MR088

L / CM

2.1.7 Close and cap P-017 suction vent  
valve S2(3)1204MR088

L / CM / RL

NOTE: Notify Health Physics before venting  
potentially radioactive water.

2.1.8 Vent P-017 discharge piping by uncapping  
and venting with P-017 miniflow vent  
valve S2(3)1204MR279

L / CM

2.1.9 Close and cap P-017 miniflow vent  
valve S2(3)1204MR279

L / CM RL

2.1.10 HPSI P-017 Breaker A0408:

RACKED IN  
DC ON  
CLOSING SPRINGS  
CHG MOTOR ENERGIZED.

L / CM RL

CAUTION  
=====

If P-018 is not aligned to Train A,  
until P-017 is declared operable  
per step 2.1.11, Train A HPSI is  
not operable. With the plant  
in Modes 1-3, comply with the  
action requirements of Technical  
Specification 3.5.2.

(1)2.1.11 With an operator present at P-017 to  
check for abnormal operation, start  
P-017 and verify P-017 operable as  
follows:

- 1 Verify P-017 starts and develops  
greater than 1400 psig discharge  
pressure as indicated on PI-0308  
(CR-57)
- 2 Verify P-017 exhibits no unusual  
vibration or leakage while running

RL

NOTE:

(1) Not applicable if performed in  
conjunction with Check-Off List 10.

## 2.0 PROCEDURE (Continued)

INITIALS  
1ST / 2ND

(1)2.1.12 Stop P-017.

NOTE: P-017 is now operable

## 2.2 Removing P-017 from Service

**CAUTION**  
=====

If P-018 is not aligned to Train A, completing the following steps will make Train A HPSI inoperable. With the plant in Modes 1-3, comply with the action requirements of Technical Specification 3.5.2.

- 2.2.1 Turn DC Off and Rack Out HPSI P-017 breaker A0408
- 2.2.2 Lock Closed HPSI P-017 miniflow recirc valve S2(3)1204MU034
- 2.2.3 Lock Closed HPSI P-017 discharge valve S2(3)1204MU012
- 2.2.4 Lock Closed HPSI P-017 suction valve S2(3)1204MU007
- 2.2.5 If isolation of CCW to P-017 is desired, proceed as follows; otherwise, N/A these steps:
  - .1 Close CCW to P-017 valve S2(3)1203MU228
  - .2 Close CCW from P-017 valve S2(3)1203MU013

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JAN ONOFRE NUCLEAR GENERATING STATION  
UNITS 2 AND 3

OPERATING INSTRUCTION S023-3-2.7  
REVISION 7  
ATTACHMENT 8.7  
CHECK-OFF LIST 7  
TCN 7-8

PERFORMED BY: [Signature] Operator Initial DATE/TIME 13 FEB 85 0224  
PERFORMED BY: [Signature] Operator Initial DATE/TIME 13 FEB 85 0247  
VERIFIED BY: Clyde J. Mitchell Operator Initial DATE/TIME 12 Feb. 85 / 2237  
VERIFIED BY: [Signature] Operator Initial DATE/TIME 2-12-85 / 2237  
[Signature] Initial 2-13-85 0144

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: [Signature] (SRO Ops. Supv.) DATE/TIME 2/13/85 0250

FILE DISPOSITION: File per S023-0-28

COMMENTS:

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