

INSERVICE TESTING PLAN

REVISION 3

SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 3

SOUTHERN CALIFORNIA EDISON COMPANY

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CHANGES TO INSERVICE TESTING PROGRAM - REVISION 3

SAN ONOFRE UNIT 3

1. Att. 8.4, p. 11 of 27 Change the test mode for HV-9202 and HV-9203 from "OP" to "CS"
2. Att. 8.4, p. 12 of 27 Change the test mode for check valves 2-020-A-554 and 2-021-A-554 from "OP" to "CS"
3. Att. 8.4, p. 26 of 27 Change HV-9945 to HCV-9945
Change HCV-9946 to HV-9946
4. Att. 8.5, p. 6A of 10 Add page to provide justification for Cold Shutdown testing of HV-9202, HV-9203, 2-020-A-554 and 2-021-A-554

TDM:2347F

INSERVICE TESTING PROGRAM
 ASME-CLASS 1, 2 & 3 VALVES
 SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 3

| VALVE NUMBER | COORD. | CLASS | VALVE CATEGORY | VALVE SIZE | VALVE TYPE | ACTR. TYPE | NORMAL POSITION | STROKE DIRECTION | TEST | TEST MODE | MAX. STROKE TIME (Sec.) | RELIEF REQUEST | REMARKS |
|--|--------|-------|----------------|------------|------------|------------|-----------------|------------------|------------------------|----------------------|-------------------------|----------------|----------------------------------|
| <u>DIESEL GENERATOR FUEL STORAGE P & ID # 40116S03</u> | | | | | | | | | | | | | |
| 2-039-D-627 | C-6 | 3 | C | 2" | CK | SA | C | O | CVT | OP | | | |
| 2-048-D-627 | C-6 | 3 | C | 2" | CK | SA | C | O | CVT | OP | | | |
| 2-054-D-627 | C-3 | 3 | C | 2" | CK | SA | C | O | CVT | OP | | | |
| 2-063-D-627 | C-4 | 3 | C | 2" | CK | SA | C | O | CVT | OP | | | |
| <u>SUMPS & DRAINS P & ID # 40117S03</u> | | | | | | | | | | | | | |
| HV-5803 | B-2 | 2 | A | 3" | GA | MO | O | C | AT BT PIT | RR OP RR | 40 | | Notes 3, 5, 6, 10, 11 & 13 |
| HV-5804 | B-2 | 2 | A | 3" | GA | AO | O | C | AT BT PIT FST | RR OP RR RR | 40 | | Notes 3, 5, 10, 11 & 13 |
| <u>FUEL POOL COOLING P & ID # 40122S03</u> | | | | | | | | | | | | | |
| 10-100-C-212 | E-3 | 2 | A | 10" | GA | M | C | C | AT | RR | | | Notes 9, 10 & 11 |
| 10-101-C-212 | E-4 | 2 | A | 10" | GA | M | C | C | AT | RR | | | Notes 9, 10 & 11 |
| <u>CHEMICAL & VOLUME CONTROL P & ID # 40123S03</u> | | | | | | | | | | | | | |
| HV-9200 | B-5 | 2 | A | 2" | GL | AO | O | O&C | AT BT FST PIT | RR CS CS RR | 40 | * | Notes 4, 5, 10 & 12 |
| HV-9201 | C-7 | 1 | B | 2" | GA | MO | C | O&C | BT PIT | CS RR | 40 | * | Notes 4, 5, 6 & 12 |
| HV-9202 | B-7 | 1 | B | 2" | GA | MO | O | O&C | PIT BT | RR CS | 40 | * | Note 4, 6 & 12 |
| HV-9203 | B-7 | 1 | B | 2" | GA | MO | O | O&C | PIT BT | RR CS | 40 | * | Note 4, 6 & 12 |

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INSERVICE TESTING PROGRAM
ASME-CLASS 1, 2 & 3 VALVES
SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 3

| VALVE NUMBER | COORD. | CLASS | VALVE CATEGORY | VALVE SIZE | VALVE TYPE | ACTR. TYPE | NORMAL POSITION | STROKE DIRECTION | TEST | TEST MODE | MAX. STROKE TIME (Sec.) | RELIEF REQUEST | REMARKS |
|---|--------|-------|----------------|------------|------------|------------|-----------------|------------------|------------------------|----------------------|-------------------------|----------------|------------------------------|
| CHEMICAL & VOLUME CONTROL P & ID # 40123S03 (Continued) | | | | | | | | | | | | | |
| HV-9204 | D-7 | 1 | B | 2" | GA | AO | 0 | C | FST BT PIT | CS CS RR | 30 | * | Notes 4, 5 & 13 |
| HV-9205 | E-6 | 2 | A | 2" | GL | AO | 0 | C | AT FST BT PIT | RR CS CS RR | 40 | * | Notes 3, 5, 10 & 13 |
| TV-0221 | D-7 | 1 | B | 2" | GL | AO | 0 | C | FST BT PIT | CS CS RR | 5 | * | Notes 4, 5 & 13 |
| TV-9267 | D-6 | 2 | A | 2" | GA | MO | 0 | C | AT BT PIT | RR CS RR | 40 | * | Notes 3, 5, 6, 10 & 13 |
| 2-019-A-554 | C-7 | 1 | C | 2" | CK | SA | C | 0 | CVT | CS | | * | Note 5 |
| 2-020-A-554 | C-7 | 1 | C | 2" | CK | SA | C | 0 | CVT | CS | | * | |
| 2-021-A-554 | B-7 | 1 | C | 2" | CK | SA | C | 0 | CVT | CS | | * | |
| 2-122-A-554 | B-6 | 2 | AC | 2" | CK | SA | C | 0&C | AT CVT | RR OP | | VRR-14 | Note 10 |
| 2-129-A-554 | A-6 | 1 | AC | 2" | CK | SA | C | 0 | CVT AT | CS RR | | * | Note 10 |
| 2-130-C-334 | A-5 | 2 | A | 2" | GL | M | C | 0&C | BT AT PIT | CS RR RR | | * | Note 10 |

INSERVICE TESTING PROGRAM
ASME-CLASS 1, 2 & 3 VALVES
SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 3

| VALVE NUMBER | COORD. | CLASS | VALVE CATEGORY | VALVE SIZE | VALVE TYPE | ACTR. TYPE | NORMAL POSITION | STROKE DIRECTION | TEST | TEST MODE | MAX. STROKE TIME (Sec.) | RELIEF REQUEST | REMARKS |
|--|--------|-------|----------------|------------|------------|------------|-----------------|------------------|-----------------|----------------|-------------------------|----------------|----------------------|
| <u>HV & AC (EMERGENCY) P & ID # 40172S03 (Continued)</u> | | | | | | | | | | | | | |
| HV-9917 | D-3 | 2 | A | 6" | BTF | MO | C | C | AT | RR | | | Notes 6, 10 & 11 |
| HCV-9918 | D-3 | 2 | A | 6" | BTF | M | C | C | AT | RR | | | Notes 10 & 11 |
| HCV-9945 | D-7 | 2 | A | 6" | BTF | M | C | C | AT | RR | | | Notes 10 & 11 |
| HV-9946 | D-6 | 2 | A | 6" | BTF | MO | C | C | AT | RR | | | Notes 6, 10 & 11 |
| <u>FIRE PROTECTION P & ID # 40189S03</u> | | | | | | | | | | | | | |
| HV-5686 | E-7 | 2 | A | 4" | GA | MO | C | C | AT BT PIT | RR CS RR | 40 | * | Notes 3, 10, 11 & 13 |
| 4-095-C-681 | G-6 | 2 | AC | 4" | CK | SA | C | C | AT | RR | | | Notes 9, 10 & 11 |
| <u>COMPRESSED AIR SYSTEM P & ID # 40191S03</u> | | | | | | | | | | | | | |
| HV-5388 | E-1 | 2 | A | 1-1/2" | GL | AO | O | C | BT FST AT | CS CS RR | 40 | * | Notes 3, 10 & 13 |
| 1-1/2-016-C-617 | E-1 | 2 | AC | 1-1/2" | CK | SA | C | C | AT | RR | | | Notes 9 & 10 |
| 2"-017-C-627 | E-1 | 2 | AC | 2" | CK | SA | C | C | AT | RR | | | Notes 9 & 10 |
| 2-055-C-387 | E-1 | 2 | A | 2" | GL | M | C | C | AT | RR | | | Notes 9 & 10 |

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COLD SHUTDOWN VALVE TESTING
JUSTIFICATION TABLE

| VALVE NUMBER | COORD. | CLASS | VALVE CAT. | JUSTIFICATION FOR COLD SHUTDOWN TESTING FREQUENCY OF VALVES |
|--|--------|-------|------------|--|
| <u>CHEMICAL & VOLUME CONTROL P&ID #40123</u> (Continued) | | | | |
| HV-9202 | B-7 | 1 | B | This valve must remain open during power operation in order to ensure consistency with assumptions made regarding system flow to the RCS cold legs in the Accident Analysis and to comply with the intent of Limiting Condition for Operation 3.5.2. |
| HV-9203 | B-7 | 1 | B | Same as HV-9302. |
| 2-020-A-554 | C-7 | 1 | B | This valve cannot be tested without closing HV-9203. |
| 2-021-A-554 | C-7 | 1 | B | This valve cannot be tested without closing HV-9202. |