

DCPP UNITS 1 & 2 FSAR UPDATE

Chapter 16

**TECHNICAL SPECIFICATIONS AND EQUIPMENT CONTROL GUIDELINES**

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# DCPP UNITS 1 & 2 FSAR UPDATE

## Chapter 16

### TABLES

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| 16.1-1       | Equipment Control Guidelines |

## **TECHNICAL SPECIFICATIONS AND EQUIPMENT CONTROL GUIDELINES**

### **16.1 TECHNICAL SPECIFICATIONS AND EQUIPMENT CONTROL GUIDELINES**

The Technical Specifications (TSs) for Diablo Canyon Power Plant (DCPP) are contained in Appendix A of the Operating Licenses. The TS Bases provide the bases or reasons for these TSs other than those covering administrative controls. In accordance with 10 CFR 50.36, the TS Bases are not part of the TS, and are included by reference in this section of the UFSAR in accordance with 10 CFR 50.34 and 10 CFR 50.36. Changes to the TS Bases are processed in accordance with TS 5.5.14, “Technical Specifications (TS) Bases Control Program.”

The Equipment Control Guidelines (ECGs) provide administrative controls and operability requirements for selected equipment that is not addressed by the TSs. ECGs are developed when controls are required by regulatory commitments or when plant management determines that it is prudent to control equipment to maximize its availability. TSs that have been relocated to licensee controlled documents are generally transferred to ECGs. ECGs containing relocated TSs are incorporated into the UFSAR by reference.

Similar to TSs, ECGs provide operability requirements, action statements, and surveillance requirements. If the equipment cannot be returned to service as required by the ECG, administrative review, approval, and evaluation under the plant Quality Assurance Programs is required.

Table 16.1-1 lists those DCPP ECGs that have been implemented due to relocated TSs in accordance with the U.S. Nuclear Regulatory Commission’s (NRCs) Final Policy Statement on TS Improvements and 10 CFR 50.36, which include four criteria to be used for identifying TS requirements that may be relocated to licensee controlled documents. Several license amendments (LAs) were issued by the NRC related to relocated TSs as noted in Table 16.1-1. Fire Protection TSs relocated to ECGs are listed in Appendix 9.5H.

The preparation and revision process for ECGs requires evaluation under 10 CFR 50.59 or other applicable requirements. All ECGs and ECG revisions are approved by the Station Director.

EQUIPMENT CONTROL GUIDELINES - TECHNICAL SPECIFICATIONS  
RELOCATED IN ACCORDANCE WITH NRC'S FINAL POLICY STATEMENT ON  
TECHNICAL SPECIFICATION IMPROVEMENTS

| <u>Number</u> | <u>Title</u>   | <u>Notations</u> |
|---------------|--|------------------|
| ECG 4.3       | Steam Generator Pressure/Temperature Limitation                      | 1                |
| ECG 4.4       | Instrumentation – Turbine Overspeed Protection and Turbine Trip      | 3, 7             |
| ECG 7.3       | Reactor Coolant System – Safety Valves Shutdown                      | 2                |
| ECG 7.4       | Reactor Coolant System – Chemistry                                   | 2                |
| ECG 7.5       | Reactor Coolant System – Pressurizer                                 | 2                |
| ECG 7.6       | Reactor Coolant System – Structural Integrity                        | 2                |
| ECG 7.7       | Reactor Coolant System – Reactor Vessel Head Vents                   | 2                |
| ECG 7.8       | Accident Monitoring Instrumentation                                  | 4, 5             |
| ECG 8.4       | Reactivity Control Systems – Flow Paths – Operating                  | 3                |
| ECG 8.5       | Reactivity Control Systems – Boration Systems – Flow Path - Shutdown | 4                |
| ECG 8.6       | Reactivity Control Systems – Charging Pump - Shutdown                | 4                |
| ECG 8.7       | Reactivity Control Systems – Charging Pumps – Operating              | 4                |
| ECG 8.8       | Reactivity Control Systems – Borated Water Source – Shutdown         | 4                |
| ECG 8.9       | Reactivity Control Systems – Borated Water Sources – Operating       | 4                |
| ECG 9.1       | Accumulator Pressure and Water Level Instrumentation                 | 8                |
| ECG 13.2      | Water Level – Spent Fuel Pool  | 4                |
| ECG 17.3      | Flood Protection   | 1                |

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TABLE 16.1-1

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| <u>Number</u> | <u>Title</u>   | <u>Notations</u> |
|---------------|--|------------------|
| ECG 19.1      | Liquid Radwaste – Temporary Outdoor Tanks                                      | 4                |
| ECG 21.3      | Miscellaneous Emergency Diesel Generator (EDG) Functions                       | 4                |
| ECG 23.1      | Area Temperature Monitoring  | 1                |
| ECG 23.2      | Instrumentation – Chlorine Detection System                                    | 3                |
| ECG 23.3      | Containment Ventilation System   | 4                |
| ECG 23.4      | Hydrogen Recombiners   | 4, 5             |
| ECG 23.5      | Plant Systems – Control Room Ventilation System (CRVS)                         | 4                |
| ECG 24.1      | Explosive Gas Effluent Monitoring Instrumentation                              | 4                |
| ECG 24.2      | Gaseous Radwaste – Explosive Gas Mixture                                       | 4                |
| ECG 24.3      | Gaseous Radwaste – Gas Storage Tanks   | 4                |
| ECG 33.1      | Nuclear Instrumentation – Power Distribution Monitoring System Instrumentation | 6                |
| ECG 37.2      | Axial Flux Difference (AFD) Monitor Alarm                                      | 4                |
| ECG 37.3      | Quadrant Power Tilt Ratio Alarm  | 4                |
| ECG 38.1      | Reactor Trip System (RTS) – Instrumentation Response Times                     | 4                |
| ECG 38.2      | Engineered Safety Features (ESF) Response Times                                | 4                |
| ECG 39.6      | Sealed Source Contamination  | 1                |
| ECG 40.1      | Meteorological Instrumentation   | 4                |
| ECG 41.1      | Reactivity Control Systems – Position Indication System – Shutdown             | 3                |
| ECG 41.2      | Special Test Exceptions – Position Indication System – Shutdown                | 4                |

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TABLE 16.1-1

| <u>Number</u> | <u>Title</u>   | <u>Notations</u> |
|---------------|--|------------------|
| ECG 42.1      | Refueling Operations – Decay Time                                | 4                |
| ECG 42.2      | Refueling Operations – Communications                            | 4                |
| ECG 42.3      | Refueling Operations – Manipulator Crane                         | 4                |
| ECG 42.4      | Refueling Operations – Crane Travel – Fuel Handling Building     | 4                |
| ECG 42.5      | Refueling Operations – Water Level – Reactor Vessel              | 4                |
| ECG 45.2      | Containment Systems – Containment Structural Integrity           | 3                |
| ECG 45.3      | Containment Penetration Conductor Overcurrent Protective Devices | 3                |
| ECG 48.1      | Movable Incore Detectors   | 4                |
| ECG 51.1      | Instrumentation – Seismic Instrumentation                        | 3                |
| ECG 64.1      | MOV Thermal Overload Protection and Bypass Devices               | 3                |
| ECG 99.1      | Snubbers   | 1                |

Notes:

1. Technical Specifications (TS) relocated pursuant to License Amendments (LAs) 106 (Unit 1) and 105 (Unit 2), dated July 6, 1995.
2. TS relocated pursuant to LAs 98 (Unit 1) and 97 (Unit 2), dated March 9, 1995.
3. TS relocated pursuant to LAs 120 (Unit 1) and 118 (Unit 2), dated February 3, 1998.
4. TS relocated pursuant to LAs 135 (Unit 1) and 135 (Unit 2), dated May 28, 1999.
5. TS relocated pursuant to LAs 168 (Unit 1) and 169 (Unit 2), dated May 4, 2004.
6. TS changes pursuant to LAs 164 (Unit 1) and 166 (Unit 2), dated March 31, 2004.
7. TS relocated pursuant to LAs 173 (Unit 1) and 175 (Unit 2), dated September 24, 2004.
8. TS relocated pursuant to LAs 102 (Unit 1) and 101 (Unit 2), dated May 26, 1995.