San Onofre Unit 2

Description of Proposed Change and Safety Analysis

Proposed Change #1

This is a request to revise Appendix A Technical Specification 3.4.8.3.1.a.

REACTOR COOLANT SYSTEM

OVERPRESSURE PROTECTION SYSTEMS

RCS TEMPERATURE $\leqslant 235^0$F

Existing Specification Technical Specification 3.4.8.3.1.
Currently Reads in Part:

"At least one of the following overpressure protection systems shall be OPERABLE:

a.   The Shutdown Cooling System (SDCS) Relief Valve (PSV9349) with a lift setting of less than or equal to 402 psig, or,"

Proposed Specification

a.   The Shutdown Cooling System (SDCS) Relief Valve (PSV9349) with a lift setting of 406 $\pm$ 10 psig at ambient conditions of the valve for a fluid temperature less than or equal to 130^{0}F."

Reason for Proposed Change

The ASME Section III Code setpoint of the installed Shutdown Cooling System (SDCS) Relief Valve is 402 psig at design temperature (400^{0}F) and 406 psig at ambient. Code opening pressure allowance is $\pm$10 psig. For the 0-5 year RCS Pressure- Temperature curves, the limiting condition is 402 psig at 130^{0}F for the SDCS piping (in lieu of the RCS). This condition is bracketed by the 406 $\pm$10 psig code allowance.

The proposed change is requested to clarify the Code requirements for the existing Code-compliant valve, consistent with existing clarification for the Pressurizer Safety Valves. No physical changes are required to the plant.

Duration of Proposed Change

This change is required for permanent clarification of requirements for this ASME Code valve.

Safety Analysis of Proposed Change

The proposed change clarifies existing ASME Code requirements for this Code-compliant valve. Therefore, it is concluded that, (1) the proposed change does not involve an unreviewed safety question as defined in 10CFR50.59, nor does it present significant hazard considerations not described or implicit in the Final Safety Analysis, and (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed change.