in the reactor coolant system and the calculated saturation temperature. As a backup, the Plant Process Computer System (PPCS) displays subcooling margin by both addressable point and on the Safety Assessment System (SAS). A second backup display of subcooling information is available on seismically qualified plasma displays which receive input signals from seismically qualified multiplexing equipment. Control board indications and a saturation curve can be used if failure of all direct subcooling indications occurs.

The 4.16KV degraded voltage setting limit is provided as greater-than-or-equal-to a value with no upper limit. The 4.16KV degraded voltage protection feature is designed to actuate when at least two of the three associated relays operate for the duration of the time delay. The 4.16KV degraded voltage relays are normally set as close as possible to the Technical Specifications setting limit to minimize, to the extent practicable, the possibility of unnecessary actuation of this protection feature.

A degraded voltage condition coincident with a safety injection signal causes the 4.16KV degraded voltage protection function to actuate with a shorter time delay. This prevents starting of engineered safety features, that have safeguards sequence time delays greater than this short time delay, under degraded voltage conditions. The safety injection signal from each unit is provided as an input to the degraded voltage protection for each 4.16KV safeguards bus. The operability requirements for the safety injection protection function are provided in this Technical Specifications section. The safety injection input from a unit to the degraded voltage protection function is only required to be operable when safety injection is required to be operable for that unit. If the safety injection input is found to be inoperable during periods when the safety injection protection function is required to be operable, the applicable actions for inoperability of the 4.16KV degraded voltage protection function must be entered.

Reference

(1) FSAR - Section 7.5

(2) FSAR - Section 14.3

(3) FSAR - Section 14.2.5