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Surry Power Station, Unit 1  
Docket No.: 050-0280  
Report No.: LER 79-030/01T-0

Radiation Monitor (RM-CC-105/106) Setpoint Alarm Improperly Set

1. DESCRIPTION OF EVENT:

With the unit at 100% power, the Radiation Alarm Setpoint for the Component Cooling System was found to be greater than twice background as listed in Technical Specification 3.7, Table 3.7-5. Operating in this condition, the Component Cooling System's surge tank vent valve would not have automatically closed at twice background. This event is contrary to Technical Specification 3.7 (Table 3.7-5) and reportable per Technical Specification 6.6.2.a.

2. PROBABLE CONSEQUENCE OF EVENT:

The improper alarm setting of the Radiation Monitor for the Component Cooling System had no effect upon the health and safety of the general public. The unit had recently obtained full power following an extensive 7 months cold shutdown, placing the relative radio-isotope inventory in the Component Cooling System at a small amount. Therefore, the protection provided by the required response setting for vent isolation was not necessary.

3. CAUSE OF EVENT:

The improper setting of the alarm setpoint for the radiation monitors was due to a failure to recalibrate from full power background following an extensive period of being at cold shutdown.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action taken was to manually isolate the Component Cooling System's surge tank vent valve and determine a new background radiation level. New alarm and alert setpoints were then set on both monitors.

5. SCHEDULED CORRECTIVE ACTION:

Periodic Test 26.1, Radiation Monitoring Equipment Daily Check, will be changed to require a verification of alarm and alert setpoints.

6. ACTION TAKEN TO PREVENT RECURRENCE:

The same as scheduled corrective actions.

7. GENERIC IMPLICATIONS:

This event possesses no generic implications.