





Additional Event Description and Probable Consequences

During the semiannual test of the fire and smoke detection system in containment electrical penetration zone 6, the supply of test gas was depleted. Only 9 of 23 detectors in the zone were tested. All were found operable. Technical Specification 4.15.1.a and Table 3.14-1 require the system to be tested semiannually and require a minimum of 12 detectors to be operable. During the previous semiannual test, 22 of 23 detectors in zone 6 (and 125 of 136 tested) were found to be operable. The detectors have a history of reliability. Three additional detectors were tested and found operable on February 15, 1980. This event had no effect on the health and safety of the public.

Additional Cause Description and Corrective Actions

Root cause of the problem was a lack of assurance by maintenance and supply personnel that a sufficient quantity of test gas was available prior to scheduling the test. This is a recently implemented surveillance test requirement, and procedure and test gas needs had not been established with adequate experience input. To preclude recurrence, a local supplier of the test gas has been identified.

