

Event Description

A field modification was made to the reactor vessel lower head insulation, which is supported by the incore instrumentation nozzles, and the modification was not seismically analyzed as required in the FSAR. This event is reportable as per T.S. 6.9.1.8.i.

Probable Consequences of Occurrence

The FSAR requires all Class I structures to be seismically analyzed to ensure the safe operation and control of the plant during a seismic event.

A detailed analysis by Westinghouse and Stone and Webster shows that the continued operation of Unit 1 is acceptable due to the fact that the structural integrity of the tubes will not be violated for the postulated seismic conditions of the FSAR.

In the event of the occurrence of a seismic event prior to modification, there would be no effect on the health and safety of the public.

Cause of Occurrence

The original design of reflective type insulation would have interfered with the installation of supplementary neutron shielding. A field modification was made to the insulation to relieve this interference, but due to personnel error, the modification was not seismically analyzed.

Immediate Corrective Action

Westinghouse, Stone and Webster and Transco performed a structural analysis of the insulation.

It was found that, in the event of the worse case earthquake, as many as 6 in-core instrumentation tubes may yield, but the structural integrity of the tubes would not be violated.

Scheduled Corrective Action

At the present time, Westinghouse and Stone and Webster are developing a modification to the insulation which will be installed at the first refueling on Unit #1.

Actions Taken to Prevent Recurrences

No further action is required.