

Description of Event

On December 11, 1980 while operating in mode 1 at 25% power it was discovered that non conservative constants were entered into the FQ survey program and subsequently used to verify F_z within limits on 11-29-80. This discovery was made when a member of the reactor engineering group was checking the FQ survey program prior to exceeding 90% power after a startup. The program was accessed to print out the constants and they were found to be incorrect. This event is reportable pursuant to T.S. 6.9.1.9.c.

Probable Consequences of Occurrence

It is possible that operating with non-conservative constants in the FQ survey program may cause peaking limits to be exceeded without warning. However, because FQ surveys done prior to and subsequent to this event (with the correct constants inserted) demonstrated the peaking limits to be within an allowable margin, the health and safety of the public were not affected by this event.

Cause of Event

The incorrect constants were entered by the computer technicians after a disc changout subsequent to a computer failure. The original data was dumped on a tape until the disc changout was completed. When reloading the disc, an old tape consisting of previously utilized FQ survey constants was used. These constants were later found to be non-conservative in nature.

Immediate Corrective Action

The corrected FQ survey constants per most recent surveillance update were entered prior to exceeding 90% power. Subsequent FQ surveys were completed with satisfactory results.

Scheduled Corrective Action

A program will be developed that will check the constants for the FQ survey periodically and after loading of data subsequent to computer failure and to compare these constants with what was initially inserted.

Actions Taken to Prevent Recurrence

Above scheduled correction actions will be sufficient to prevent recurrence.

Generic Implications

There are no generic implications to this event.