

Description of Event

On November 23, 1982, during Mode 1 operation, the Reactor Core Delta Flux channels (2 of 4 channels) indicated greater than the Target Delta Flux Band contrary to T.S. 3.2.1. The target was set to -0.5% and the band established from 4.5 to -5.5% delta flux.

This event occurred during the exercising of control rods Control Bank B for the periodic test. Rods were driven in 18 steps and immediately returned to the fully withdrawn position. During this rod movement, 2 of the 4 Delta Flux Indication Channels showed a momentary decrease of delta flux to -5.7%. The target of -5.5% was exceeded for less than a minute. The plant computer signalled the exceeding of the limit and assigned a total penalty of 1 minute. This event is reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

This event was due to a momentary perturbation in the relative position of the axial flux peak in the core due to rod movement. Since the target band was exceeded for less than a minute and the delta flux returned to within the target within 15 minutes as required by the T.S. 3.2.1 Action Statement (a.l.a), the health and safety of the public were not affected.

Cause of Event

This event was caused by the effect of rod motion to 18 steps from the fully withdrawn position. This caused the Axial Peak Flux to momentarily move further from the core centerline target.

Immediate Corrective Action

No corrective action was required. The momentary decrease was terminated in less than a minute when the flux distribution returned to its normal configuration.

Scheduled Corrective Action

No further action required.

Action Taken To Prevent Recurrence

An investigation into the event resulted in the determination that the delta flux target of -0.5% zero was too high for this point in core life. A full core flux map was performed and a new delta flux target of -2% was assigned.

Generic Implications

There are no generic implications from this event.