



### Description of Event

On February 26, 1980, with the reactor operating at 100% power, water was observed leaking from a fitting on the "B" RWST cooler outlet pressure gauge line onto the ground resulting in an unplanned release of radioactive material. This event is reportable pursuant to T.S. 6.9.1.9.d.

### Probable Consequence of Occurrence

The consequences of this event were minimal because the Health Physics Department immediately performed a radiological survey and determined that the activity released did not enter the environs through the storm drain system but was confined to the top layers of soil in the immediate area. The survey also determined that the amount of activity released was only 1.3 times MPC for an unrestricted area and that the curies of non-tritium and tritium released were only  $5.6E-5$  and  $9.62E-3$  respectively. As a result, the health and safety of station personnel and the general public were not affected by the release. There are no generic implications associated with this occurrence.

### Cause of Event

The leak occurred because the architect engineer installed a carbon steel elbow in the pressure gauge line instead of stainless steel which resulted in corrosion of the fitting due to the boric acid in the system. After the leak occurred it was discovered that the pressure gauges were only temporary connections used for testing purposes and should have been removed after initial testing of the system had been completed prior to commercial operation.

### Immediate Corrective Action

To secure the leak, the inlet and outlet of the cooler were isolated and the cooler was depressurized. The leaky fitting and pressure gauge were then removed and the line was capped.

### Scheduled Corrective Action

The Unit No. 2 Master Deficiency List will be checked for temporary modifications to insure that these modifications are removed or appropriately documented. Unit No. 1 and No. 2 systems will be walked down on a selected basis to check for other temporary modifications that are not authorized.

### Actions Taken to Prevent Recurrence

The pressure gauge and carbon steel fitting on the "A" RWST cooler outlet were removed and a stainless steel cap was installed on the line. Also, the systems on Unit No. 2 RWST were surveyed for 2 similar deficient installations and none were found.