

**J37. Nine Mile Point 2: BWR-5 Mk2**

U.S.A.

**Repair of Tube Bellows Flange**

**Description:** Perform primary containment integrity repair or Engineering resolution of "B" TIP tube bellows flange. Perform subsequent test of "B" TIP tube bellows flange.

This test was accomplished by breaking open the TIP tube in the drywell and installing a temporary test rig onto the flange. Pressure was applied through the test rig back to the TIP tube bellows flange.

**Comments:**

**Problem:** Currently (1990) we had no method of shielding the area of TIP tubing the extends out of the back of a TIP shielding pig. When a TIP is withdrawn into its pig, approximately 5' of highly radioactive, activated cable projects out of the back of the pig. During the recent forced outage, general area dose rates of up to 1 R/hr were noted during entries into the inner TIP room. Contact dose rates of up to 3.8 R/hr were noted on the TIP tube projecting out of the back of the pig.

**Solution:** A shielding request will allow for the installation of a tube and knuckle scaffold frame around the area behind a pig or pigs. Lead blankets can then be hung on the support frame to decrease dose rates in the inner TIP room.

**Identified Good ALARA Practices:**

- The I&C department displayed good ALARA practices by ensuring all work possible in the inner TIP room was completed prior to withdrawing the "B" TIP into the inner TIP room and marking it up, The other four TIPs were left inserted in the core and marked up to prevent withdrawing. This kept dose rates to a minimum.
- In order to maintain their exposure ALARA, the I&C department also staged their leak rate test rig outside the drywell in a low dose area.

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