

## RCS Status.

Scheduled for 12RFO work was completed as planned at the expected level of quality.

The following deficiencies are identified to exist on the system at this time:

- RC262 Pressurizer (PZR) Spray Valve Bypass is furmenited to stop the leak through the leak-off plug.
- RC176A Spare CRD B47-16 vent has a broken drill bit in its body. The drill is inside the furmenite plug which is filed with the furmenite compound and the plug is cupped.
- Control Rod Drives L10, L11, and K9 have degraded Leaf Springs.
- Control Rod Drive L10 is bent and stress fit into the seismic support plate.
- Inner O-rings on all four Reactor Coolant Pumps are leaking.
- The bushing of one of the internal vent valves in the Core Support Assembly is out of position.

None of the listed above deficiencies reduce the margin of safety for the RCS. System Engineering does not recommend any immediate actions to correct the conditions. Plans are in place to correct the deviations during the future refueling outages.

### Open Temporary Modifications.

TM 00-0026, RC262 PZR Spray Valve Bypass-Disabled in Closed Position.

### Present RCS performance.

Identified leak rate is less then 0.2 GPM – This is satisfactory.  
Unidentified leak rate is less then 0.1 GPM – This is satisfactory.  
All other parameters are at the expected range – This is satisfactory.  
Primary – Secondary leak rate is 0.0 GPM – This is satisfactory.

### Work accomplished during the 12RFO.

#### Major Projects.

- The Reactor Vessel 10 year ISI has been performed with no major problems indicated.
- All identified leaking Control Rod Drives (F10, D10, C11, F8, and G9) were repaired.
- Deposits of the boric acid (boron) were cleaned from the Reactor Head.
- Reactor Coolant Pump 1-1 upper trust bearing was replaced.
- Reactor Coolant Pump 2-1 seal was replaced.
- Actec Ring RCPM holes for the lifting lugs were drilled by Master Lee for RCPM 1-1, 1-2, and 2-2.

Other projects.

- The baseline database has been created for all four RCPs to monitor casing stud elongation.
- RC2 Pressurizer Spray valve has been reworked and measured.
- Boric Acid corrosion program was continued and all RCS valves were inspected.
- RC46 Reactor O-ring Drain Valve to Normal Sump was repacked in lieu of replacement.
- Framatome Technologies Inc. performed initial walkdown of the Reactor Head Support Structure in preparation of cutting the inspection ports in the structure during 13RFO.

Current Issues and 13RFO work scope preparations.

CR 2000-1408 was issued to address the steam separation for RC1BB Loop 1 Hot Leg Flow Transmitter Source. Root Cause evaluation is pending. Based on the preliminary cause of the failure System Engineering is recommending replacement of the remaining Loop 1 and 2 Hot Leg Flow Transmitter Source first isolation valves during 13 RFO.

RC262 repair will be performed under W.O. 00-002359-001 during 13RFO.

RC176A repair will be performed under W.O. 00-002293-004 during 13RFO.

Framatome Technologies Inc. (FTI) is scheduled to inspect and qualify the out of position bushing of one of the internal vent valves in the Core Support Assembly.

TM 00-0026, RC262 PZR Spray Valve Bypass-Disabled in Closed Position

"TM 00-0026 was implemented to evaluate the potential affect of leak sealing RC 262. This valve is a normally closed valve and is not operated by any normal operating procedures. The TM evaluated the potential of the leak seal rendering the valve unable to be opened. The TM will remain in place until 13RFO when RC 262 will be reworked."

Life extension efforts for CRDMs is in progress. Present qualification will expire in the year 2010.

Implementation of FatiguePro cycle counting