

**PRIMARY COOLANT SYSTEM INSPECTION CE REQUIREMENTS**

	<u>CE Requirement</u>	<u>ASME III Code Requirement</u>
<u>Reactor Vessel</u>		
Ultrasonic Testing (UT)	1. 100% Volumetric Longitudinal and Shear Wave UT of Plate Material	1. Longitudinal UT on a 9" x 9" Grid Pattern
	2. UT of Clad Bond to a 3" Diameter Unbonded Area Repair Standard	2. None
Dye Penetrant Testing (PT)	1. PT Test Root and Final Layer of Welds for Partial Penetration Welds to Control Rod Drive Mechanism Head Adapters and Instrument Tube Connections	1. PT Test of Finished Weld
	2. PT Test Finished Surface of Cladding	2. None
<u>Steam Generator</u>		
Ultrasonic Testing (UT)	1. 100% Volumetric Longitudinal and Shear Wave UT of Plate Material	1. Longitudinal UT on a 9" x 9" Grid Pattern
Dye Penetrant Testing (PT)	1. PT Test Finished Surface of Primary Head Cladding	1. None
<u>Pressurizer</u>		
Ultrasonic Testing (UT)	1. 100% Volumetric Longitudinal and Shear Wave UT of Plate Material	1. Longitudinal UT on a 9" x 9" Grid Pattern
Dye Penetrant Testing (PT)	1. PT Test on Finished Surface of Cladding	1. None
Radiography (RT)	1. Radiograph Heaters To Check Heater Wire Positioning	1. None