

J2. Loviisa 2: PWR**Finland****Welding and Inspection of Pressurizer**

Description: In-service inspection had revealed damage on the inner surface of pressurizer inlet/outlet. Welding and inspection had to be done inside the vessel.

Comments: The inside of the pressurizer was washed with high pressure (200 bar) by capacity (30-40 litre/min) washing machine BEFORE the surface dried. The man performing the washing followed the sinking water level, working from a ladder. Full plastic suit, boots, gloves, mask, and over pressure air supply were used. Four men worked, one at a time. The washing decreased the dose rate from about 2 mSv/h to 0.4-0.6 mSv/h. After washing the inner surface of the heaters supporting cylinder was covered by plastic foil to prevent residual contamination from spreading. Thereafter, lead blankets were hung on the top of the foil until a dose rate of 0.2-0.3 mSv/h was reached. Then the men working inside the supporting cylinder were completely isolated from contamination. During the whole job, including all different tasks, no personnel contamination incident appeared.

For additional information, contact Bjorn Walstrom, Imatran Voima OY, Loviisa Nuclear Power Station, SF-07900 Loviisa, Finland, Phone: 358-15-5501.