

**J14. Loviisa 1: PWR****Finland****Vacuum Cleaning of Steam Generators**

**Description:** Vacuum cleaning of all six steam generators on the secondary side to remove about 2 tons of magnetite collected at the bottom.

**Comments:** The steam generators are of the horizontal type at the Loviisa.

The secondary side water level was kept as high as possible. Hardboard sheets were put on the tube support. On this structure lead was put until a 0.5 mSv/h dose rate was reached. This was slightly higher than the dose rate outside the steam generator.

Better planning (involving health physics staff from the beginning) and more efficient cleaning equipment would have reduced the collective dose.

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