Inservice Inspection on Russian VVER Nuclear Power Plants

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Abstract. This presentation will provide an overview of in-service inspections performed in accordance to the Russian rules and regulations on the main components of the Russian VVER type nuclear power plant.

There will be an overview of:

- Russian rules and regulations for in-service inspections (ISI) on main components
- Qualification work for ISI for VVER components
- Inspection areas for ISI
- Objectives of inspection
- Examples of Systems to applied for in-service inspections
- Reactor Pressure Vessel inspection performed from inner and outer surface
- Steam Generator inspection with ultrasonic testing
- Steam Generator tube inspection with eddy current testing
- Pipe inspection

In this presentation we will show examples of fruitful cooperation between Rosenergoatom, NIKIMT and intelligeNDT within projects for delivery, training and modernizing of mechanized inspection systems.