

INVESTIGATION OF VVER-440 REACTOR INTERNALS IRRADIATION CONDITIONS

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The calculational procedure for determination of irradiation conditions of VVER-440 reactor internals is presented. Using the developed procedure, irradiation conditions of Rovno NPP Unit1&2 VVER-440 reactor internals – baffle, basket and barrel – are determined. Distributions of neutron flux functionals at surfaces of these internals at both reactors are analyzed for different core arrangements.