

COMPARISON OF IRRADIATION CONDITIONS OF WWER-1000 PRESSURE VESSEL METAL SPECIMENS IN BAFFLE CHANNELS, SURVEILLANCE SPECIMENS AND INNER SURFACE OF THE REACTOR PRESSURE VESSEL

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Characteristics of the fast neutrons field, which influence to WWER-1000 pressure vessel material specimens in reactor baffle channels are determined by calculational method. Irradiation conditions of specimens, surveillance specimens and inner surface of pressure vessel upper shell are compared. It is shown, that the characteristics of the field of neutrons, which influence on specimens in reactor baffle channels, essentially differ from ones, by which inner surface of pressure vessel is irradiated. It is necessary to take into account the obtained data during the designing of WWER-1000 pressure vessel material specimen irradiation experiments in reactor baffle channels.