

REACTOR PRESSURE VESSEL OPERATION LIFE-TIME DETERMINATION BY SURVEILLANCE SAMPLES TESTING

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The main ideas about WWER-1000 type reactor pressure vessel metal surveillance samples program existing in Ukraine and its shortcomings are presented in the paper. On the basis of the results obtained after investigation of the samples with increased Nickel content irradiated in the reactor within 5 and 9 years it is shown that the irradiation embrittlement ratio for such a metal reaches a designed value.