

## **THE EVALUATION OF RESIDUAL RESOURCE OF THE TECHNOLOGICAL CHANNELS OF THE 1-ST CHNPP'S UNIT**

**E.U. Grynik, L.I. Chyrko, A.A. Shynakov,  
Ju.S. Gulchuk, O.V. Drogaev, V.N. Revka, Ju.V. Chajkovsky**

The result of study of the technological channels (TC) of the 1-st Chernobyl NPP's unit after 18 years of operation are analyzed in this work. It is showed that zirconium alloy of TC operated at normal conditions has satisfactory plastic and strength properties; hydrogen concentration doesn't exceed 60 ppm; the joint devices have safety factor more 2 even at presence of microcracks. The conclusion is done that residual resource of normal operating TC after 18 years of service doesn't still exhaust.