

## **GAS ELIMINATING DETERMINATION BY POLYMER MATERIALS LOCATED IN THE “UKRYTTIA” UNIT**

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The authors analyzed different variants of radioactive gas eliminating sources structure. Major radionuclides:  $\alpha$ -,  $\beta$ -, and  $\gamma$ -radiation were considered. It is shown that the main contribution to gas elimination generation by organic polymers is made by beta-radiators:  $^{90}\text{Sr}$  and  $^{137}\text{Cs}$ . The paper provides data of structure and radioactive gas release from specific polymers in the “Ukryttia” unit.