Systems of the primary circuit WCR maintenance

KBA – system of make-up and boric regulation, provides purge and make-up of the circuit, also provides water exchange.

KBD-1 – system of preparation and supply of chemical reagents for primary circuit WCR support provides supply of ammonia, potassium hydroxide, hydrazine-hydrat to make-up water for maintenance WCR quality parameters of coolant.

KBE – system of primary circuit coolant purification provides purification of primary circuit coolant from dissolved impurities and corrosion products.

KBF – system of primary circuit coolant treatment provides processing of boron comprising circuit water with purpose to obtain pure condensate for make-up of the primary circuit and boric concentrate for recycling on NPP.

KBB – system of coolant storage provides the remove alky excess from the primary circuit, also provides the remove boric acid from the coolant in the end of campaign.

FAL – purification system of the fuel pools and water of boric water storage tank provides purification from corrosion products, radionuclides and chemical impurities.

QCA – system of the boric acid solution preparation provides the boric acid solution preparation for initial filling of the primary circuit and ECCS tanks in operational period of the unit.

KUB – system of automatic chemical control of the primary circuit provides automatic on-line control of WCR parameters of the primary circuit.

KUA – sampling system of active water treatment plant and of auxiliary systems of the reactor plant provides sampling for laboratory chemical control of the coolant quality, water from auxiliary systems of the reactor and boric solutions of security systems.

SRG10 – radiochemical laboratory of on-line monitoring of the WCR primary circuit.

SRG50 – chemical laboratory of nuclear maintenance building.