

## **Systems of the secondary circuit WCR maintenance**

GC – the deep desalting water system provides the obtaining the desalting water for initial filling and make-up of the secondary circuit in operational period.

MAJ – system of creating vacuum in condenser provides turbine steam condensation, primary condensate deaeration and make-up water deaeration.

LDF – system of turbine condensate deironing and desalting.

LDN – the secondary circuit WCR correction system provides supply of hydrazine-hydrate, ethanolamine and ammonia for WCR maintenance.

LAA – system of make-up water provides condensate deep deaeration.

LCU – system of feed water provides supply of desalting water to the secondary circuit.

LCQ-1 – steam generator blowdown system provides output of steam generator blowdown water in order to maintain purge water quality parameters.

LCQ-2 – system of steam generator blowdown water purification provides purification of blowdown water so that it could return to the secondary circuit.

LDT – system of condensate-feed pipeline preoperational cleaning provides purification of the condensate-feed pipeline from corrosion products and sludge.

LDB – system of general plant's draining condensate purification provides purification of dirty condensate tank so that it could return to the secondary circuit.

LFG – system of steam generator chemical cleansing of the secondary circuit provides cleansing of steam generator heat transmitting surfaces from deposits.

QUA – automatic chemical control system of feed water systems.

QUB – automatic chemical control system of steam systems.

QUC – automatic chemical control system of condensate systems.

QUK – automatic chemical control system of steam generator blowdown water.

QUH – hand sampling system of the secondary circuit.

STG10 – operative monitoring chemical laboratory of the WCR secondary circuit and water treatment plant.