

**Coursework on discipline
«Applied Theory of automatic control»
specialty 8.05020202
Computer-integrated technological processes and production
B.Chystyakov group HA-51M
Subject: « Management of electrical conductivity of water in block desalting
unit of the second circuit of NPP with reactors VVER1000 »**

In the course work general information about the reactor type VVER1000 is given, described the characteristics of the equipment of the second circuit, their quality requirements. The first section contains a schematic diagram of a nuclear reactor VVER – 1000 and its water chemistry.

The next step process control equipment was identified and its purpose in controlled process, listed their characteristics and the required operating parameters to control the target parameter of the NPP.