

Annotation

The theme of my thesis is the modernization of the CHPP-3 station at the GTU. The work considered such issues as the reconstruction of equipment at the Almaty CHPP-3 using a gas turbine unit. In the theoretical part, the analysis of the existing state of CHPP-3 was carried out, attention was paid to the problem of storing ash and slag waste. Calculations were made of the thermal scheme of the utilization combined-cycle plant.

In the section on life safety, he calculated noise reduction measures and acoustic calculation of noise in the turbine shop.

The economic section is based on calculations that determined the payback period for this power plant.