

ABSTRACT

In this graduation project, a version of the reconstruction of Ekibastuz GRES-1 is presented to reduce emissions of nitrogen oxides.

The project contains a description of all systems and their equipment involved in the technological process of producing electrical energy.

In the part of the project, the environmental passport of the Ekibastuz GRES-1 is presented for life safety.

In the economic part, calculations are made of the technical and economic indicators of the station after reconstruction.

In a special section, the calculation of the specific emissions of nitrogen oxides is presented.