

## **Annotation**

This diploma project deals with the Upgrading of the boiler unit BKZ-160 of AHPP-3 with the supply of high-concentration dust. During the project, the choice of the most acceptable method for reducing nitrogen oxide emissions to the atmosphere was considered according to technical and economic indicators.

In the section "life Safety", fire safety issues are considered, sanitary protection zones are defined and losses of harmful impurities in the atmosphere are calculated.

In the economic part of the diploma project, the cost of electricity and heat before and after the reconstruction of Almaty TPP-3 is calculated.