

## **Abstract**

In the thesis analysis of harmful and dangerous production factors affecting employees of the railway station "Lugovoy rail welding enterprise" JSC NC "KTZ", study of physical and biochemical indicators of engineering solutions that teach the principles of rationing, creating safe and high productivity of working conditions, taking measures to eliminate their effects and ensuring their implementation.

In order to create safe and comfortable working conditions, various and qualitative assessments were made on indicators that determine the meteorological conditions at the production sites - air cleanliness of the working area and the impact of harmful substances, the amount of noise and vibration levels, the danger of electric current, etc.