

Environmental Protection in the Production Activities of JSC «Volzhsky Orgsynthesis»

JSC «Volzhsky Orgsynthesis», in accordance with the obligations of the adopted policy in the field of industrial safety, labor protection and environmental protection, carries out constant systematic work to improve the functional reliability and industrial safety of facilities, reducing the potentially possible technogenic impact on the natural environment.

The organization conducts work to identify potential risks of production activities for the environment and human health. Independent environmental organizations periodically conduct an inventory of all environmental aspects of the Company's facilities, based on the materials of which the state environmental control authorities issued a Comprehensive Environmental Permit (CEP) No. 57 dated October 4, 2024. Order No. 1983 dated October 4, 2024.

The Environmental Department of JSC «Volzhsky Orgsynthesis» has developed and agreed with the state supervision authorities a program for industrial environmental monitoring. Monitoring of environmental parameters within the framework of the program is carried out by an accredited sanitary laboratory of JSC «Volzhsky Orgsynthesis» in the national system. Control and supervision activities for compliance with environmental protection legislation and established standards are carried out by environmental specialists of the enterprise, as well as the Federal Service for Supervision of Natural Resources (Rosprirodnadzor) and environmental prosecutor's office.

Air Protection

Atmospheric air is a vital component of the environment, an integral part of the habitat of humans, plants and animals.

In their work on air protection, environmental department specialists are guided by the requirements of environmental legislation, the main ones being:

- Federal Law dated January 10, 2002 No. 7-FZ «On Environmental Protection»
- Federal Law dated May 4, 1999 No. 96-FZ «On Air Protection»

JSC «Volzhsky Orgsynthesis» is located in the industrial zone of the largest city-forming enterprises of Volzhsky, Volgograd region. The enterprise is surrounded by wasteland on all sides. The distance from the enterprise to Volzhsky is about 7100 meters.

According to Decision No. 09-19-1-

19 dated January 18, 2019 of the Department of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare in the Volgograd region (Rosпотребнадзор), a sanitary protection zone with a boundary of 2000 meters from the combined boundary of land plots in all directions has been established for JSC «Volzhsky Orgsynthesis».

As part of the implementation of environmental legislation requirements in 2023, an inventory of sources of pollutant emissions into atmospheric air was carried out, during which all emission sources belonging to JSC «Volzhsky Orgsynthesis» were identified, as well as pollutants emitted into the atmosphere from these sources during the economic and other activities of the enterprise.

According to the inventory conducted at the enterprise, the number of sources of pollutant emissions into the atmosphere from the enterprise's technological equipment is 476, of which:

- 393 — organized (83% of the total number of sources)
- 83 — unorganized (17% of the total number of sources)

The frequency of monitoring of pollutant emissions at emission sources is reflected in the schedule of monitoring of maximum permissible emissions (MPE) standards, based on which analytical control schedules are drawn up at the enterprise.

According to the results of analytical control in 2024–

2025, no exceedances of maximum permissible concentrations (MPC) of pollutants at industrial emission sources were detected.

According to statistical reporting, the gross (actual) emission of harmful (polluting) substances by the enterprise:

- In 2024, the actual emission of pollutants into the atmospheric air amounted to 3972.657 tons: including solid — 19.865 tons, gaseous and liquid — 3952.792 tons. The permitted emission of pollutants into the atmosphere in 2024 amounted to 8205.844 tons.
- In 2025, the actual emission of pollutants into the atmospheric air amounted to 3926.439 tons: including solid — 3.997 tons, gaseous and liquid — 3922.442 tons. The permitted emission of pollutants into the atmosphere in 2025 amounted to 8785.671 tons.

The reduction in actual emissions of pollutants into the atmospheric air indicates the effective collaboration between environmental specialists and technical personnel of JSC «Volzhsky Orgsynthesis», as well as the implementation of a number of measures for atmospheric air protection:

- **Periodic assessment** (at least twice a year) of the efficiency of gas purification and dust collection units
- **Monitoring compliance** with maximum permissible concentration (MPC) levels of pollutants at the boundary of the sanitary protection zone, located approximately 2 km from the enterprise's borders
- **Control over adherence** to maximum permissible emissions of pollutants at industrial emission sources
- **Annual development** of environmental protection measures plans aimed at reducing negative impact on the environment

As part of population protection during changes in atmospheric air conditions that threaten human life and health, the enterprise has organized work to additionally limit emissions of pollutants into the atmospheric air during periods of unfavorable meteorological conditions.

JSC «Volzhsky Orgsynthesis» has approved and coordinated with the Committee for Natural Resources, Forestry and Ecology of the Volgograd Region measures to reduce emissions of harmful (polluting) substances into the atmospheric air during periods of unfavorable meteorological conditions (NMC), dated April 17, 2019.

Water Basin Protection

The Company conducts systematic work on the protection and rational use of water resources. A closed-

loop water circulation system is utilized. Industrial and domestic wastewater, after treatment at local biological treatment facilities, enters the enterprise's storage facility. There are no wastewater discharges into water bodies. The closed-

loop water circulation system significantly reduces the consumption of river water.