

Environmental management

As a national railway company and owner of railway infrastructure, Russian Railways is committed to maintaining a high level of environmental safety and responsibility in its operations. The Company prioritises compliance with environmental legislation while advancing Russia's national goals for reducing negative environmental impacts. As part of these efforts, it is transitioning to new types of traction rolling stock, keeps electrifying railways, and expands the use of green fuels at its stationary facilities.

Russian Railways maintains leadership in energy efficiency and environmental friendliness of its operations. The Company's share in the total adverse environmental impact of companies operating in Russia in 2022¹ was less than 1%, including:

- air pollutant emissions – 0.75%;
- wastewater discharge into surface water bodies and on land – 0.04%;
- waste generation – 0.02%.



Management approach

Russian Railways put in place the following policies to guide its environmental practices:

- Health, Environmental, Industrial and Fire Safety Policy of the Russian Railways Group¹;
- Russian Railways' Environmental Strategy through 2030 with an outlook through 2035²;
- Russian Railways' Environmental Transparency Regulations³;
- Declaration on Comprehensive Approach to the Protection of Lake Baikal when Implementing Investment Projects for the Eastern Operating Domain Development.

Key international environmental treaties followed by the Company in its environmental management:

- Vienna Convention for the Protection of the Ozone Layer and Montreal Protocol on Substances that Deplete the Ozone Layer;
- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal;
- Convention on Biological Diversity;
- Bucharest Convention on the Protection of the Black Sea against Pollution;
- United Nations Framework Convention on Climate Change;

- Kyoto Protocol to the United Nations Framework Convention on Climate Change;
- Agreement on Cooperation in the Sphere of Timber Industry and Forestry;
- Agreement on Cooperation in the Field of Environmental Protection among the Member States of the CIS;
- Agreement on Cooperation in the Field of Environmental Monitoring;
- Stockholm Convention on Persistent Organic Pollutants;
- Paris Climate Accords.

In 2023, Russian Railways updated its corporate policies governing the Company's environmental efforts as follows:

- approved the Regulation on the Central Environmental Commission of Russian Railways⁴;
- approved the Procedure to Develop and Implement a Programme for Eliminating Accumulated Environmental Damage across Russian Railways⁵;
- approved Russian Railways' Wastewater Management Standard⁶;
- approved requirements for container sites for temporary collection of municipal solid waste and secondary materials⁷.

¹ According to the Government Report on the Condition and Protection of Environment in the Russian Federation in 2022 issued by the Ministry of Natural Resources and Environment of the Russian Federation in 2023.

¹ Russian Railways' Order No. 102/r dated 21 January 2020.

² Approved by Russian Railways' Management Board meeting minutes No. 44 dated 12 July 2022.

³ Russian Railways' Order No. 3326/r dated 15 December 2022.

⁴ Russian Railways' Order No. 1870/r dated 25 July 2023.

⁵ Russian Railways' Order No. 1979/r dated 4 August 2023.

⁶ Russian Railways' Order No. 1158/r dated 15 May 2023.

⁷ Russian Railways' Order No. 3325/r dated 26 December 2023.