

In 2023, Russian Railways' polluted wastewater discharges into surface water bodies and on land amounted to 3.72 mcm, a reduction of 15.7%, or 0.7 mcm, compared to 2022.

These included:

- insufficiently treated wastewater: 3.723 mcm;
- untreated wastewater: 0.001 mcm.

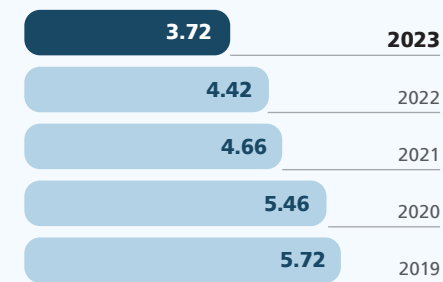
The decrease was the result of ongoing repairs and overhaul of treatment facilities and their transfer to municipalities.

As of the end of the reporting year, there were 457 treatment facilities at the Company's units, including 301 local and 156 sewage treatment facilities, of which 301 (66%) are treatment facilities releasing wastewater into disposal networks, 124 (27%) – into water bodies, and 32 (7%) – on land.

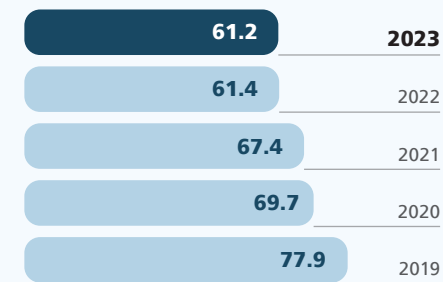
In terms of their condition, 67% (306 units) of all treatment facilities are in satisfactory condition, 16% (72 units) require overhaul or upgrade, and the remaining 17% (79 units) are mothballed or inoperable.

As part of its investment programmes, Russian Railways completed the construction and upgrade of four wastewater treatment facilities at the Khvoynaya, Kurbakinskaya, Penza-1, and Ershov railways stations.

Polluted wastewater discharge into surface water bodies and on land, mcm



Decrease in polluted wastewater discharge into surface water bodies and on land, mcm



Plans for 2024



The Company set the following water management targets for 2024 as compared to the 2023 performance:

- reducing water use by 0.5%;
- cutting polluted wastewater discharges into surface water and on land by 3.9%.

To that end, there are environmental protection measures slated for 2024, including renovation and construction of treatment facilities, introduction of environmental protection equipment and flushing of water pipelines. Once implemented, they will enable the Company to reduce polluted wastewater discharges into water bodies and on land by 148,000 cu m.

Eliminating pollution and restoring ecosystems: addressing accumulated environmental damage

The elimination of accumulated environmental damage is a key priority in the Russian state environmental policy as set out by both the National Security Strategy¹ and the Environmental Security Strategy of the Russian Federation through 2025².

Russian Railways has been systematically implementing measures to address and eliminate

units with accumulated environmental damage. The Company's Environmental Strategy through 2030 with an outlook through 2035 sets specific target parameters for the elimination of accumulated environmental damage on Russian Railways' territory and other areas affected by past railway transport activities.

To meet these established goals, Russian Railways annually executes a series of initiatives to eliminate units with accumulated environmental damage.

As part of its 2023 activities, the Company successfully eliminated nine such units at the Rzhava, Sosyka, Krasnogvardeets, Ust-Katav, Achinsk, Agryz, Nerudnaya, Pargolovo, and Ershov stations.



¹ Approved by the Russian President's Decree No. 400 dated 2 July 2021.
² Approved by the Russian President's Decree No. 176 dated 19 April 2017.