# Waste management

PJSC Rosseti's approach to production and consumption waste management includes accounting for waste generation and hazard assessment, constructing waste accumulation sites, and transferring waste to specialised organisations for treatment, deactivation, disposal and landfilling. The most significant sources of waste generation in the Company are office buildings, production and storage facilities, as well as workshops, warehouses and garages.

In 2023, the amount of waste generated at PJSC Rosseti increased by 13% due to the decommissioning of PCB[1]-containing equipment. All waste generated during equipment decommissioning was transferred to a federal operator for deactivation.

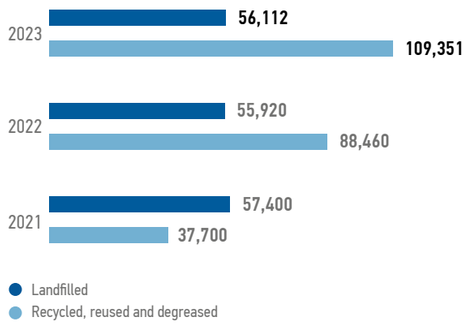
**Mass of generated waste by hazard class,** *thsd t*

| Indicator | 2021 | 2022 | 2023 |
|---|---|---|---|
| Hazard class I | 0.31 | 0.04 | 0.15[2] |
| Hazard class II | 0.27 | 0.11 | 0.14 |
| Hazard class III | 2.27 | 2.29 | 1.83 |
| Hazard class IV | 51.34 | 68.15 | 75.8 |
| Hazard class V | 41.90 | 73.70 | 88.00 |
| **Total** | **96.09** | **144.29** | **165.9** |

The Company's main goal in the field of environmentally safe waste management is to increase the volume of waste transferred for treatment, disposal, and deactivation.

The amount of waste transferred to third-party organisations for recycling, deactivation and reuse at PJSC Rosseti grows annually. In 2023, it increased by 19% and almost doubled the amount of waste transferred to landfills.

**Waste generation by handling method,** *t*




[1] Polychlorinated biphenyls.
[2] The volume of hazard class I waste generation does not include the volume of PCB-containing waste from PJSC Rosseti's facilities, as the dismantling and transfer of PCB-containing equipment to the federal operator was undertaken by contractors as part of the Company's investment programme.



# Rational use of water resources

PJSC Rosseti's production processes are not associated with a significant impact on water bodies. Nevertheless, the Company continuously implements measures aimed at the rational use of water resources and addresses reducing the negative impact on water bodies from wastewater discharge.

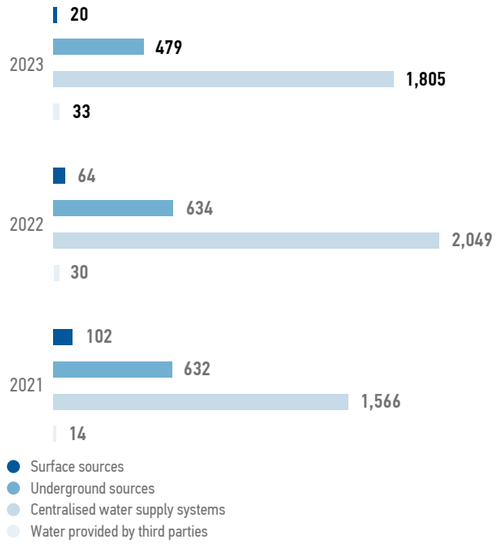
PJSC Rosseti withdraws water from both surface/underground natural water sources and centralised water supply systems. Municipal water supply systems account for about 77% of the Company's water intake.

In 2023, water withdrawal from surface water bodies decreased by 70% in view of production needs (suspension of the transfer of the export capacity of the Vyborgskaya 400 kV substation). Total water withdrawal in 2023 also decreased by 16%, which is due to repair works at water supply facilities and the implementation of resource preservation and energy saving measures.

Wastewater is diverted and discharged from the Company's production facilities into centralised water disposal systems and surface water bodies.

The Company monitors the quality of discharged wastewater and seeks to reduce the adverse impact on water bodies through the construction and renovation of local treatment facilities, thus cutting down the flow of pollutants into water bodies, as well as through the arrangement of sanitary protection zones for drinking and domestic water supply sources. To a limited extent, the Company utilises the recycled water supply system. In 2023, the volume of water recycled amounted to 2,000 m³.

**Water withdrawal by source,** *thsd m³*




**Volume of wastewater discharge by receipt,** *thsd m³*