

Tailing dumps

Branch/subsidiary	Number of tailing dumps	Asset using the tailing dump
Polar Division	2	Talnakh Concentrator, Nadezhda Metallurgical Plant
Medvezhy Ruchey	2	Norilsk Concentrator
Kola MMC	1	Zapolyarny Concentrator
GRK Bystrinskoye	1	Bystrinsky GOK Concentrator

WATER BODIES

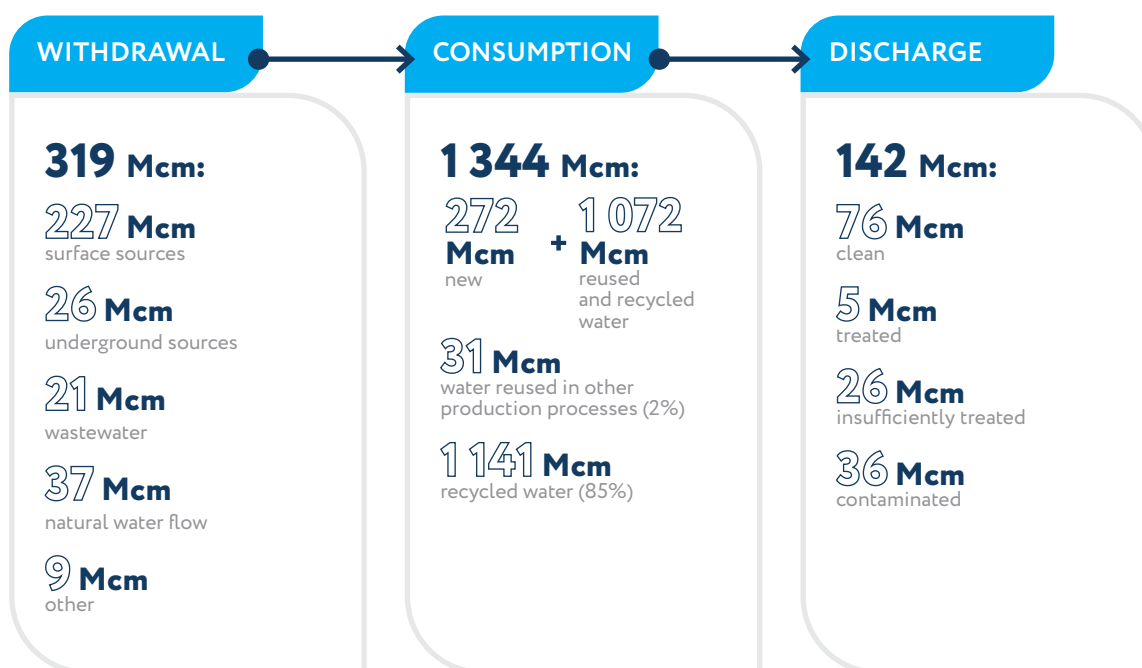
The Company's major production assets are located in regions with sufficient water resources. Nonetheless, the Company is extremely careful about its use of fresh water and strictly complies with restrictions applicable to industrial water withdrawal. Nornickel's key production facilities use closed water circuits to reduce water withdrawal. Furthermore, the Company never withdraws water from protected natural areas. In 2019, 87% of all water used by the Company was recycled or reused. Water is mostly withdrawn from surface and underground water bodies as well as from wastewater of other companies and natural water inflow. Natural water inflow and meltwater accounted for 12% of the total water withdrawal in 2019. All facilities using water have programmes

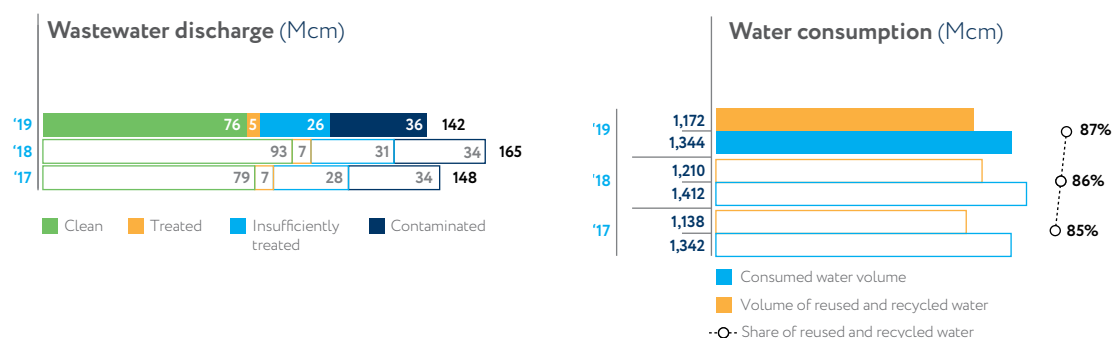
in place to monitor water bodies and water protection areas..

Wastewater discharge also does not exceed the approved limits or have any major impact on biodiversity of water bodies and related habitats..

The Company is committed to sustainable use of water resources and prevention of water body pollution.

Water consumption and discharge framework





ENVIRONMENTAL PERFORMANCE OF THE COMPANY'S FOREIGN ASSETS

Norilsk Nickel Harjavalta

The company is fully environmentally permitted and operates a certified integrated management system compliant with ISO 9001 and ISO 14001.

Norilsk Nickel Harjavalta's main environmental impact comes from air emissions of ammonia (NH₃) and nickel (Ni), and water discharges of nickel, sulphates (SO₄²⁻) and ammonium ions (NH₄⁺). In 2019, Norilsk Nickel Harjavalta met all permit requirements for emissions, discharges and waste disposal volumes.

Environmental indicators

Indicator	2017	2018	2019
Industrial wastewater, Mm ³	0.9	1.0	1.0
Total water consumption, Mcm	11.1	11.8	11.5
Pollutants in industrial wastewater, kt			
Ni	0.001	0.001	0.001
SO ₄ ²⁻	26	30	30
NH ₄ ⁺ (expressed as nitrogen)	0.1	0.1	0.1
Air pollutant emissions, t	71	85	40
Ni	1.7	1.2	1.6
NH ₃	69	84	38
Waste generation, kt	5.5	2.8	5.7
Waste disposal, kt	0.8	1.1	1.3

Nkomati

The company operates in accordance with both local environmental protection regulations and Nornickel corporate standards. Nkomati pays close attention to environmental safety, is certified and regularly audited for compliance with ISO 14001.

Environmental indicators

Indicator	2017	2018	2019
Water consumption, Mcm	0.064	0.429	0.254
Waste generation, t	431	358	1,243
Waste disposal, t	845	725	670
Environmental protection expenditures, USD mln	0.27	0.31	0.33