

WATER RISK MANAGEMENT

The Company also conducts assessments of impact on water resources on an ongoing basis.

The impact on water resources can materially affect the Company's financial performance.

Procedures used by Nornickel to identify and assess the risks of its impact on water resources include:

- wastewater inventory
- monitoring of wastewater discharge volume and quality at discharge sites
- observation of surface water bodies at control points upstream and downstream of discharge sites
- investments in improving the performance of water treatment systems and building new systems
- we also monitor wastewater treatment processes at treatment facilities and take organisational and technical measures to improve treatment effectiveness.
- Tailings and waste

TAILINGS AND WASTE

Targets: maintain safe operation of tailings facilities and minimise environmental impact of mineral and non-mineral waste.

Key next steps: build mass balance model for waste management and prepare for the self-assessment under Global Tailings Standard.

WASTE

The Company reuses most of its industrial waste as approximately 99% of the waste generated are hazard class 5, i.e. non-hazardous waste. This is mostly waste from the mining and smelting operations, including rock and overburden, tailings, and metallurgical slags. Ore extraction waste is used as backfill for underground workings and open pits, road fill, or for tailings dam reinforcement. The increase in waste generation in 2020 was attributed to the commissioning of Bystrinsky GOK.

TAILINGS

Nornickel currently operates six tailing dumps: four in the Norilsk Division, taking tailings from Talnakh and Norilsk concentrators and Nadezhda Metallurgical Plant; one at Kola MMC, storing tailings from Zapolyarny Concentrator; and Bystrinsky GOK tailing dump.

WASTE GENERATION BY HAZARD CLASS (KT)

Hazard class	2016	2017	2018	2019	2020
V	32,118	30,722	29,517	35,300	144,052
IV	1,114	1,190	1,191	1,115	1,175
III	30	12	15	5	7
II	5.8	2.4	1.1	0.03	0.05
I	0.1	0.1	0.1	0.04	0.04
Total	33,267	31,926	30,725	36,420	145,234