

Waste management

903.4

KT

of waste recycled
and decontaminated

Most of waste is drilling sludge resulting from the production process. Improving the efficiency of its processing is one of the Company's top environmental priorities. The corporate concept of drilling waste management seeks to reduce the environmental risks and unify waste management requirements. The concept takes into account the infrastructure of the fields under development, existing technologies for drilling waste disposal, technical and economic indicators, methods for well construction, and waste injection into the formation.

The Company uses advanced drilling rigs equipped with a system for liquid treatment of drilling waste, which maximises the reuse of drilling mud and process water in production. The remaining drilling waste, which includes used drilling mud, drilling sludge and wastewater, is classified as hazard class 4, or low-hazard waste. Waste is collected in mud pits reliably protecting the soil and groundwater from possible contamination due to its waterproofing properties.

The Company spares no effort to reduce waste generated by oil refining and transportation. Gazprom Neft disposes of legacy production waste accumulated at the facilities during the decades

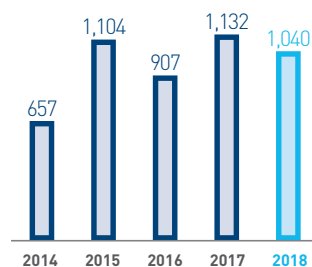
of the Soviet time. During the five years of work, the Moscow Refinery has eliminated the waste accumulated before 1991, along with over 180 kt of oil-containing waste, while releasing and rehabilitating 15 ha of land. Slavneft-YANOS disposed of 19 kt of hazardous industrial waste during nine years of the programme (7.6 kt in 2018) which is scheduled for completion by 2024.

The Company cleans areas not only under the corporate environmental programmes. Gazprom Neft's employees initiate and carry out volunteer projects. The Company continued cleaning out Novy Port and Mys Kamenny villages. Gazpromneft-Yamal's volunteers lifted six sunken barges and collected 150 tonnes of scrap metal using bulldozers and excavators.

In St Petersburg, Gazprom Neft retail network jointly with the Municipal Council of Pesochny village and the Petrov National Medical Research Centre of Oncology set up the environmental quest called The Clean Games, which facilitated the collection of over 2.5 t of garbage in St Petersburg's Kurortny District.

In 2018, the volumes of waste sent for disposal and neutralisation reached 903,430 t, accounting for 86.8% of total waste generated throughout the year.

Waste generation
(kt)



Green is new black

In November 2018, Gazpromneft retail network launched The Green is New Black environmental project to develop a culture for proper disposal of old car tyres. The project tackles the problem of unauthorised landfills of old tyres, which is pressing for many regions. In St Petersburg and Yekaterinburg, drivers could bring used tyres to the Company's filling stations. Within the project,

over 7 t of tyres was collected and transferred for recycling into crumb rubber for coatings of playgrounds and athletic facilities. The crumb rubber will also be used for building a recreational area in the village of Pesochny in St Petersburg's Kurortny District and to improve one of the social facilities in Yekaterinburg.