

## PROTECTION OF LAND RESOURCES AND VEGETATION

The Company implements comprehensive programmes to reclaim disturbed and contaminated land and sludge pits taking into account the climatic, hydrological, soil and vegetative conditions of the regions. The programmes feature an inventory of the land, an assessment of the soil contamination level and the selection of the most effective rehabilitation technology. As part of the reclamation process, work is performed to remove dead wood, collect oily liquids and conduct the technical and biological stages of reclamation. Gazprom Neft annually conducts an assessment of the quality of environmental restoration work, including chemical and analytical monitoring.

The Company is committed to reducing pipeline failure rates and the area of contaminated land. In order to meet these objectives, Gazprom Neft has employed a project since 2014 called “Clean Territory” that includes measures involving diagnosis, reconstruction, targeted repairs, inhibitor protection and corrosion monitoring. Thanks to the project, the number of failures over this period was 12% less than the projected level. A total of 442 km of pipelines were replaced in 2015.

### SPECIFIC LAND PROTECTION INDICATORS IN 2015 //

| Indicators   | 2015  |
|--|-------|
| Ratio of area of contaminated land at the end of the year vs. at the start of the year, ha/ha  | 0.18  |
| Specific amount of spilled oil, condensate and petroleum products as a result of accidents and leaks, kg/t of extracted hydrocarbons (TOE) | 0.003 |

### ALEXEY VASHKEVICH

Director of the Geological Exploration and Resource Base Development Directorate of Gazprom Neft



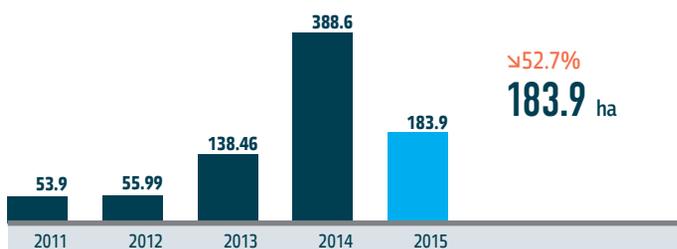
### “GREEN” SEISMIC SURVEY METHOD

In 2015, Gazprom Neft continued implementing the first “green” seismic survey methods employed in Russia. The Company completed seismic exploration work at the West Luginetsky licence area in the Tomsk Region utilising new wireless equipment. The wireless system also generates substantial time efficiencies, particularly since sensors can be quickly placed and moved across uneven terrain. The clearing width required for the installation of sensors is almost a third smaller than that of conventional technologies. Utilising “green” seismic surveys has enabled the Company to cut in half the amount of forest felled in exploration work.

“In addition to reducing our environmental footprint, the new method significantly improves industrial safety levels since logging traditionally involves a high risk of injury. The fact that not a single occupational or industrial safety incident was recorded during the seismic exploration work conducted at the West Luginetsky licence section is a testament to this method”.

### RECLAMATION OF OIL CONTAMINATED LAND<sup>1</sup> // ha

Source: Company data



### RECLAMATION OF SLUDGE PITS // ha

Source: Company data



<sup>1</sup> Oil contaminated lands were reclaimed in 2015 in full compliance with the approved programmes. The decrease in reclamation compared with 2014 is due to a reduction in pipeline failures as part of the “Clean Territory” corporate project, which led to a decrease in the area of contaminated land. The increase in reclamation in 2014 versus 2013 is attributable to land reclamation work for a remote group of fields with signs of salt contamination.

Key Gazprom Neft projects to improve the reliability of pipelines in 2015:

- **THE USE OF ADVANCED TECHNOLOGIES TO LAY PRESSURE PIPELINES** that will connect the Messoyakha group of fields with the northernmost point of the Zapolyarye-Purpe oil transportation system. Semi-automatic and automatic welding guarantees the high quality of pipe joints and ensures the reliability of the oil pipeline. A fibre-optic cable that records any risks of depressurisation of the system will be routed along the entire route. The construction of the pipeline is to be completed in late 2016.
- **THE COMMISSIONING OF A MOBILE LABORATORY FOR THE NON-DESTRUCTIVE TESTING OF PIPELINES AT GAZPROMNEFT-NOYABRSKNEFTEGAZ.** The equipment allows for the remote monitoring of the technical condition of main pipelines using X-ray equipment as well as ultrasonic flaw detection and thickness devices.
- **THE COMMISSIONING OF A PRESSURE PIPELINE MONITORING SYSTEM USING DRONES AT GAZPROMNEFT-MURAVLENKO.** Drones provide continuous remote control of pipeline integrity in real time, including at remote sections of fields, and reduce emergency response time.

## PRESERVING BIODIVERSITY

The Company's field development projects include a programme to rehabilitate aquatic biological resources.

In order to comply with the President's orders on the safe development of the Arctic, Gazprom Neft is implementing a perpetual corporate programme to preserve biodiversity based on a list of flora and fauna that serve as indicators of the stable conditions of the marine ecosystems of Russia's Arctic zone. The programme was developed by the Company jointly with leading scientific research institutes, Russian Arctic National Park and the Marine Mammal Council taking into recommendations from the UN Development Programme, the Global Environment Facility, the Ministry of Natural Resources and Environment, and the World Wildlife Fund (WWF) in Russia.

Environmental monitoring was performed at the Pirazlomnoye field in 2015 based on orders from Gazprom Neft Shelf. Scientists studied the island coasts that are traditional breeding grounds for the endangered Atlantic walrus as well as the coast of the Pechora Sea and also collected samples of water, sediment, plankton and benthos (organisms living on and in the soil of marine and inland water bodies). The reproduction dynamics of plankton, which have an extremely short life cycle, are one of the indicators of the ecosystem's health. The study results did not reveal any significant fluctuations in the migration or distribution of walrus in the Pechora Sea since the start of oil production on the Arctic shelf.

In 2015, Gazpromneft-Yamal committed to the artificial reproduction of muksun (a freshwater fish from the whitefish family) in the Gulf of Ob. The Company released more than a 1 million muksun minnows into the Ob River in 2015 and plans to release roughly 20 million minnows into water bodies in the YNAD and KMAD-Yugra before 2019.

The Company carried out the "Native Shores" campaign in the reporting year to stock the Gulf of Finland with whitefish and continue restoring the population of this fish species in the waters of the gulf. Some 5,000 whitefish minnows were released into the gulf as part of the campaign.

### ALEXEY SITNIKOV

First Deputy Governor  
of the Yamalo-Nenets  
Autonomous District



“ Anyone who lives in the north is aware of how fragile and vulnerable the local nature is. This is why human efforts to reproduce biological resources and prevent species extinction are invaluable. In this regard, we are extremely grateful to Gazprom Neft for its social position: not only taking, but giving back as well. For Yamal, the muksun isn't just a fish. It's a brand first and foremost and also an indicator of the general well-being of the indigenous population. For this reason, we must make every effort to restore the numbers of this king of the water”.