

Environmental protection

Embamunaygas JSC pays great attention to environmental protection issues. The Company is constantly working to monitor environmental components (air, water, soil, etc.) and effectively reduce a negative impact of production on the environment.

Data on emissions and waste

Indicator	Unit of measurement	2015	2016	2017
From stationary sources (emissions),	t	5134,325	5017,922	5120,115
including from gas flaring	t	2554,934	2511,26	2991,914
From discharge	t	34,188	50,028	35,454
Waste volume (disposed)	t	7193,785	3308,975	3007,91
Waste volume (recycled)	t	7199,71	12216,0914	11995,53
Volume of accumulated waste	t	13 742	8243,475	5465,629
Gas flaring volume	thous. m ³	85 043,3	87 188,3	100 538,2

In June 2017, the Company launched a major project – installation of an associated gas treatment plant at Prorva group of fields with a capacity of 150 million m³ per year. The project was implemented within the framework of the program for 100% utilization of associated gas.

The Company works systematically to minimize environmental damage and pays special attention to reducing production waste. Embamunaygas JSC allocates considerable funds to implement projects aimed at cleaning of historically contaminated areas and recycling of oil-contaminated soils. The recycling is carried out using KASC-30M installation manufactured by Kalottikone (Finland). The recycled soil is used in the construction and repair of roads at fields. Soil is also recycled with the involvement of outside organizations using an effective and environmentally friendly biological method. In addition, the utilization of auxiliary production waste (waste lamps, oils, etc.) is carried out by transferring to specialized enterprises.

Within the framework of rational use of fresh water, in 2016 the Company started work for research and further use of groundwater for production needs at facilities of Embamunaygas JSC in the territories of the South Emba basin and Kainar massif, including the estimation of groundwater reserves in Albian-Cenomanian sediments. The implementation of this program will allow the Company to reduce its dependence on the consumption of Volga River water for industrial and social needs.

To protect coastal and aquatic ecosystems against harmful impact, a protective dam is being constructed in the territory of Prorva field of Zhylyoimunaygas OGPD, as well as monitoring of flooded wells is carried out.

The Company conducts scientific research, survey and other developments in the field of environmental protection. The Company also studies methods for utilization and neutralization of harmful industrial substances and vehicle emissions, develops automated production of pollutant monitoring and control systems, which is especially important in view of the huge length of the Company's production facilities, as well as regulates and standardizes production waste disposal processes and implements other measures.

The Company also provides environmental education among its employees and the population of the region and works to improve the qualification of HSE specialists.