

Environmental Impact

Environmental Performance Indicators

	Unit of measurement	2010	2011	2012	2013	2014
Gross polluting emissions into the atmosphere, including:	ton	632.82	358.60	377.34	352.98	350.85
solid, of them:	ton	18.15	10.66	15.17	15.01	15.74
solid fuel ashes	ton	0.16	0.37	—	—	—
gas and liquid, of them:	ton	614.67	347.94	357.17	337.97	335.11
sulphur dioxide	ton	38.03	21.87	22.27	27.81	28.92
carbon oxide	ton	197.52	127.22	131.97	113.86	121.36
nitrogen oxide (in terms of NO ₂)	ton	285.34	145.88	144.26	142.09	138.35
hydrocarbons (without volatile organic components)	ton	44.40	4.41	5.02	3.40	1.15
volatile organic components	ton	45.66	43.94	47.23	45.27	45.31
benzapyrene	ton	0.0002	0.00003	—	0.000012	0.000012
Hazardous substances caught and neutralized, including:	ton	6.03	5.32	4.54	4.54	11.13
solid	ton	6.03	5.32	4.54	4.54	11.13
Collection and extraction of water, including:	thousand m ³	236.23	245.50	206.31	212.93	197.31
from surface sources	thousand m ³	58.20	65.74	23.19	22.55	23.07
from underground sources	thousand m ³	48.64	48.32	43.81	41.91	45.70
from other sources	thousand m ³	129.39	131.43	139.31	148.46	128.53

The main amount of pollutant emissions comes from diesel power plants.

The main amount of water is consumed for drinking needs — 70 %, for production needs — 30 %.

Production waste formation amounts, ton

Waste hazard class	2010	2011	2012	2013	2014
1 class	5.77	8.15	6.89	6.28	7.97
2 class	7.85	17.79	19.57	8.16	12.21
3 class	217.69	163.41	624.30	189.49	260.57
4 class	6,118.43	6,363.14	7,386.39	4,948.99	4718.40
5 class	6,743.90	2,789.16	3,117.90	2,863.85	3347.55
Total	13,093.64	9,341.65	11,155.05	8,016.77	8,346.70

The main amount of the formed waste is of the 4th and 5th hazard classes.

In 2014, there was an increase in the amount of waste compared to the previous years, mainly due to 5th hazard class waste.

Measures to protect the environment are developed in the branches of JSC IDGC of the North-West on an annual basis. The activities are focused on the collection and transfer of 1-4 hazard class waste by specialized companies licensed for decontamination and disposal of waste. The Company performs continuous monitoring of the activities.

