

The results of atmospheric air quality monitoring on the border of sanitary protection zone of PJSC ArcelorMittal Kryvyi Rih during unfavourable weather conditions (UWC) from 09-00 16.03.2023 to 21-00 16.03.2023

Monitoring location	Pollutant	Maximum allowable concentration (MAC), one-time, mg/m <sup>3</sup>	Maximum one-time concentration, mg/m <sup>3</sup>		Maximum allowable concentration (MAC) daily average, mg/m <sup>3</sup>	Average concentration for the reporting period, mg/m <sup>3</sup>
			min	max		
In the area of automated monitoring station (AMS) No. 1 in the area affected by Steel Plant	Carbon monoxide	5,0	0,061	0,218	3,00	-
	Sulphur dioxide	0,5	0,001	0,001	0,05	-
	Nitrogen dioxide	0,2	0,022	0,043	0,04	-
	Dust	0,5	0,015	0,027	0,15	-
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	0,423	0,607	3,00	-
	Sulphur dioxide	0,5	нчм	0,010	0,05	-
	Nitrogen dioxide	0,2	0,015	0,020	0,04	-
	Dust	0,5	0,041	0,143	0,15	-
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,504	0,745	3,00	-
	Sulphur dioxide	0,5	0,001	0,001	0,05	-
	Nitrogen dioxide	0,2	bsm	0,007	0,04	-
	Dust	0,5	0,055	0,204	0,15	-

**Note 1:** Air quality control was carried out by automated monitoring stations

**Note 2:** Daily average concentration for the reporting period was not determined due to the fact that UWC period duration was less than one day.

**Note 3:** bsm - below the sensitivity of the methods.