

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 11.12.2023 to 09-00 12.12.2023

Monitoring location	Pollutant	Maximum allowable concentration (MAC), one-time, mg/m ³	Maximum one-time concentration, mg/m ³		Maximum allowable concentration (MAC) daily average, mg/m ³	Average concentration for the reporting period, mg/m ³
			min	max		
In the area of automated monitoring station (AMS) No. 1 in the area affected by Steel Plant	Carbon monoxide	5,0	0,583	1,624	3,00	0,765
	Sulphur dioxide	0,5	0,002	0,019	0,05	0,009
	Nitrogen dioxide	0,2	0,015	0,022	0,04	0,019
	Dust	0,5	bsm	0,012	0,15	0,004
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	1,197	1,487	3,00	1,300
	Sulphur dioxide	0,5	0,038	0,083	0,05	0,045
	Nitrogen dioxide	0,2	0,001	0,001	0,04	0,001
	Dust	0,5	0,011	0,229	0,15	0,058
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,910	1,107	3,00	1,012
	Sulphur dioxide	0,5	bsm	0,01	0,05	0,005
	Nitrogen dioxide	0,2	0,001	0,001	0,04	0,001
	Dust	0,5	0,011	0,088	0,15	0,035

Note 1: Atmospheric air quality monitoring was carried out by air quality control was carried out by automated monitoring stations and by Environment Protection Department of PJSC ArcelorMittal Kryvyi Rih, certificate No. 08-0081/2021 dated 17.12.2021 regarding measurement system conformity to the requirements of DSTU ISO 10012:2005

Note 2: 24.11.2023, the gas analyzer for determining the concentration of sulfur dioxide of APS No. 3 was dismantled for unscheduled maintenance.

Note 3: during the period of dismantling of measuring equipment, control of atmospheric air quality in the post area is carried out by company specialists twice a day on weekdays using portable devices. Due to the fact that this period of NMU fell on weekends, such measurements were not carried out.

Note 4: bsm - below the sensitivity of the methods.