

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 22.12.2023 to 21-00 22.12.2023

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	0,54	0,793	3,00	-
	Sulphur dioxide	0,5	0,001	0,007	0,05	-
	Nitrogen dioxide	0,2	0,001	0,006	0,04	-
	Dust	0,5	0,006	0,033	0,15	-
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	1,72	4,792	3,00	-
	Sulphur dioxide	0,5	0,023	0,040	0,05	-
	Nitrogen dioxide	0,2	0,001	0,001	0,04	-
	Dust	0,5	0,020	0,339	0,15	-
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,99	1,162	3,00	-
	Sulphur dioxide	0,5	0,01	0,01	0,05	-
	Nitrogen dioxide	0,2	0,001	0,002	0,04	-
	Dust	0,5	0,041	0,112	0,15	-

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. 08-0091/2023 dated 22.12.2023 regarding measurement system conformity to the requirements of DSTU ISO 10012:2005

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: there are no data on the concentration of sulfur dioxide from APS No. 3, due to unscheduled maintenance of the gas analyzer.

Note 4: during the period of data not available from APS №№1-3 , control of atmospheric air quality in the post area is carried out by company specialists twice a day on weekdays using portable devices.