

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 20.12.2023 to 09-00 21.12.2023

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	0,35	0,851	3,00	0,686
	Sulphur dioxide	0,5	0,001	0,012	0,05	0,004
	Nitrogen dioxide	0,2	0,001	0,017	0,04	0,001
	Dust	0,5	bsm	0,015	0,15	0,008
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	0,82	3,375	3,00	1,640
	Sulphur dioxide	0,5	0,008	0,040	0,05	0,019
	Nitrogen dioxide	0,2	нчм	0,011	0,04	0,001
	Dust	0,5	bsm	0,174	0,15	0,062
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,42	1,221	3,00	1,121
	Sulphur dioxide	0,5	0,02	0,01	0,05	0,013
	Nitrogen dioxide	0,2	нчм	0,022	0,04	0,004
	Dust	0,5	bsm	0,130	0,15	0,062

**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:** because of data not available from APS №1-3 in this period UWC, due to a technical failure in the work of the Internet provider was well as due to a for unscheduled maintenance the gas analyzer for determining the concentration of sulfur dioxide, control of atmospheric air quality in the post area is carried out by company specialists twice a day on weekdays using portable devices.

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