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 9-00 13.12.2023 to 21-00 13.12.2023

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/m3	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	0,42	2,652	3,00	-
	Sulphur dioxide	0,5	bsm	0,021	0,05	-
	Nitrogen dioxide	0,2	0,003	0,015	0,04	-
	Dust	0,5	bsm	0,012	0,15	-
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	0,86	1,414	3,00	-
	Sulphur dioxide	0,5	0,020	0,045	0,05	-
	Nitrogen dioxide	0,2	0,001	0,013	0,04	-
	Dust	0,5	bsm	0,272	0,15	-
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,55	1,078	3,00	-
	Sulphur dioxide	0,5	0,01	0,02	0,05	-
	Nitrogen dioxide	0,2	0,001	0,027	0,04	-
	Dust	0,5	bsm	0,091	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. 08-0081/2021 dated 17.12.2021 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: 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 4: bsm - below the sensitivity of the methods.