

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 21-00 28.11.2023 to 09-00 29.11.2023

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	-	0,94	3,00	-
	Sulphur dioxide	0,5	-	0,01	0,05	-
	Nitrogen dioxide	0,2	-	0,030	0,04	-
	Dust	0,5	bsm	0,006	0,15	-
In the area of automated monitoring station (AMS) No. 2 in the area affected by Coke Plant	Carbon monoxide	5,0	1,246	1,455	3,00	-
	Sulphur dioxide	0,5	0,019	0,061	0,05	-
	Nitrogen dioxide	0,2	bsm	0,002	0,04	-
	Dust	0,5	0,005	0,404	0,15	-
In the area of automated monitoring station (AMS) No. 3 in the area affected by Mining Department	Carbon monoxide	5,0	0,905	1,033	3,00	-
	Sulphur dioxide	0,5	-	0,01	0,05	-
	Nitrogen dioxide	0,2	bsm	0,009	0,04	-
	Dust	0,5	0,009	0,034	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: from 25.09.2023, the equipment of APS No. 1 has been dismantled for scheduled maintenance and verification.

Note 4: 24.11.2023, the gas analyzer for determining the concentration of nitrogen oxide and sulfur dioxide of APS No. 3 was dismantled for unscheduled maintenance.

Note 5: 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. During this period of NMU such control carried out 1 time.

Note 6: bsm - below the sensitivity of the methods.