

The results of atmospheric air quality monitoring on the border of sanitary protection zone of PJSC ArcelorMittal Kryvyi Rih
in december 2022

Sl. No.	Place of sampling	Pollutant	Quantity of measurements, nos.						Pollutants concentrations, mg/m3				Maximum Permissible Concentration, MPC		concentration, C monthly average, in the similar period of previous year
			Total maximum one-time	including non-standard		Total daily average	including non-standard		Maximum one-time		Monthly average concentration, C				
				during wind direction from industrial sites of AMKR	during wind direction to industrial sites of AMKR		during wind direction from industrial sites of AMKR	during wind direction to industrial sites of AMKR	maximum concentration, C maximum one-time	minimal concentration, C minimum one-time		maximum one-time	daily average		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Monitoring station in the area affected by Steel Plant, 52, Kryvorizhstali Street	NO2	2187	-	-	30	-	-	0,048	0,001	0,014	0,2	0,04	0,014	
		NO	2187	-	-	30	-	-	0,288	0,001	0,003	0,4	0,06	0,021	
		SO2	2187	-	-	30	-	-	0,044	0,001	0,004	0,5	0,05	0,011	
		CO	2187	-	-	30	-	-	3,230	0,008	0,398	5,0	3,0	0,984	
		Dust	2187	-	-	30	-	-	0,091	0,005	0,017	0,5	0,15	0,163	
2	Monitoring station in the area affected by Coke Plant, 2a, Landau Street	NO2	1412	-	-	19	-	-	0,023	0,001	0,014	0,2	0,04	0,015	
		NO	1410	-	-	19	-	-	0,227	bmm	0,008	0,4	0,06	0,022	
		SO2	1412	-	-	19	-	-	0,307	bmm	0,012	0,5	0,05	0,004	
		CO	1412	-	-	19	-	-	4,996	0,001	0,494	5,0	3,0	0,965	
		NH3	1410	-	-	19	-	-	0,188	bmm	0,004	0,2	0,04	0,001	
		H2S	1410	-	-	19	-	-	0,008	bmm	0,002	0,008	not normalized	0,001	
		Dust	1413	-	1	19	-	-	0,594	bmm	0,067	0,5	0,15	0,083	
3	Monitoring station in the area affected by Mining Department, 41a, Podlepy Street	NO2	538	-	-	9	-	-	0,089	bmm	0,017	0,2	0,04	0,007	
		NO	538	-	-	9	-	-	0,082	bmm	0,015	0,4	0,06	0,031	
		SO2	538	-	-	9	-	-	0,020	bmm	0,008	0,5	0,05	0,015	
		CO	538	-	-	9	-	-	1,152	0,146	0,738	5,0	3,0	1,238	
		Dust	539	-	-	9	-	-	0,221	bmm	0,061	0,5	0,15	0,079	

Note 1: Atmospheric air quality control is performed by automated observation posts and the laboratory of the Department of Environmental Protection PJSC "ArcelorMittal Kryvyi Rih", certificate № 08-0058 / 2018 dated 20.12.2018 on compliance of the measurement system with the requirements of DSTU ISO 10012: 2005

Note 2: From 08.11.2022 to 09.12.2022, the dust analyzer and gas analyzers of APS No. 2 were dismantled for maintenance and verification, atmospheric air quality control was performed on working days with portable devices. From 09.12.2022, the dust analyzer and gas analyzers of APS No. 2, after undergoing technical maintenance and verification, were installed in their regular place, atmospheric air quality control was performed in automatic mode

Note 3: From December 9, 2022 to December 30, 2022, the dust analyzer and gas analyzers of APS No. 3 were dismantled for maintenance and verification, atmospheric air quality control was performed on working days with portable devices. From December 30, 2022, the dust analyzer and gas analyzers of APS No. 3, after undergoing technical maintenance and verification, were installed in their regular place, atmospheric air quality control was performed in automatic mode

Note 4: Average monthly concentrations of pollutants are derived from all maximum single values obtained during the month.