

The results of atmospheric air quality monitoring on the border of sanitary protection zone of PJSC ArcelorMittal Kryvyi Rih
in february 2023

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	1952	-	-	28	-	-	0,049	0,016	0,025	0,2	0,04	0,012		
		NO	1952	-	-	28	-	-	0,001	0,001	0,001	0,4	0,06	0,001		
		SO2	1952	-	-	28	-	-	0,011	0,001	0,001	0,5	0,05	0,038		
		CO	1952	-	-	28	-	-	0,594	0,001	0,136	5,0	3,0	1,969		
		Dust	1952	-	-	28	-	-	0,178	bmm	0,021	0,5	0,15	0,167		
2	Monitoring station in the area affected by Coke Plant, 2a, Landau Street	NO2	2009	-	-	28	-	-	0,027	0,007	0,016	0,2	0,04	0,083		
		NO	2012	-	-	28	-	-	0,044	bmm	0,003	0,4	0,06	0,022		
		SO2	2009	-	-	28	-	-	0,131	bmm	0,024	0,5	0,05	0,001		
		CO	2009	-	4	28	-	-	7,809	0,240	0,632	5,0	3,0	0,916		
		NH3	2012	-	-	28	-	-	0,048	0,001	0,001	0,2	0,04	0,001		
		H2S	2012	-	-	28	-	-	0,007	0,001	0,001	0,008	not normalized	0,001		
		Dust	2012	1	1	28	-	-	0,678	bmm	0,066	0,5	0,15	0,100		
3	Monitoring station in the area affected by Mining Department, 41a, Podlepy Street	NO2	1942	-	-	28	1	8	0,123	bmm	0,033	0,2	0,04	0,012		
		NO	1942	-	-	28	-	-	0,008	bmm	0,001	0,4	0,06	0,030		
		SO2	1942	-	-	28	-	-	0,001	0,001	0,001	0,5	0,05	0,015		
		CO	1942	-	-	28	-	-	3,650	0,198	0,525	5,0	3,0	0,882		
		Dust	1942	2	8	28	-	3	0,737	bmm	0,080	0,5	0,15	0,095		

Note 1: Air quality control was carried out by automated monitoring stations

Note 2: Average monthly concentrations of pollutants are derived from all maximum single values obtained during the month.