

The results of atmospheric air quality monitoring on the border of sanitary protection zone of PJSC ArcelorMittal Kryvyi Rih
in January 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	1945	-	-	23	-	-	0,050	0,006	0,020	0,2	0,04	0,014		
		NO	1945	-	-	23	-	-	0,001	0,001	0,001	0,4	0,06	0,002		
		SO2	1945	-	-	23	-	-	0,056	0,001	0,002	0,5	0,05	0,039		
		CO	1945	-	-	23	-	-	1,637	0,001	0,249	5,0	3,0	1,812		
		Dust	1945	-	-	23	-	-	0,069	bmm	0,022	0,5	0,15	0,162		
2	Monitoring station in the area affected by Coke Plant, 2a, Landau Street	NO2	2182	-	-	30	-	-	0,030	0,001	0,015	0,2	0,04	0,017		
		NO	2182	-	-	30	-	2	0,234	bmm	0,016	0,4	0,06	0,003		
		SO2	2182	-	-	30	-	3	0,231	bmm	0,022	0,5	0,05	0,002		
		CO	2182	-	1	30	-	-	5,191	0,001	0,410	5,0	3,0	1,439		
		NH3	2182	-	-	30	-	-	0,148	0,001	0,001	0,2	0,04	0,009		
		H2S	2182	-	1	30	-	-	0,009	bmm	0,001	0,008	not normalized	0,001		
		Dust	2182	-	2	30	-	1	0,788	bmm	0,084	0,5	0,15	0,103		
3	Monitoring station in the area affected by Mining Department, 41a, Podlepy Street	NO2	1607	-	-	23	-	4	0,169	bmm	0,029	0,2	0,04	0,014		
		NO	1607	-	-	23	-	-	0,008	bmm	0,002	0,4	0,06	0,030		
		SO2	1607	-	-	23	-	-	0,001	0,001	0,001	0,5	0,05	0,015		
		CO	1607	-	-	23	-	-	3,171	0,058	0,606	5,0	3,0	0,878		
		Dust	1607	2	-	23	2	-	0,714	bmm	0,100	0,5	0,15	0,087		

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.