



Air Monitoring at Ferronikeli Smelter and Influence in the Environment

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Abstract: This research paper discusses about the measurements at Ferronikeli smelter for deposited dust and heavy metals (Fe, Ni, Co and Cr) using the field study data during the year 2007, as well as the discharged gases in ambient air from this industrial complex. The Ferronikeli smelter is metallurgical complex that produces commercial ferronickel, and as result of production process of ferronickel applied in Ferronikeli smelter, the following heavy metals are expected to be present in air: iron, nickel, cobalt and chrome, as well as the off gases: SO₂, CO, CO₂, NO_x, that have adverse effect for air quality and environment in general.

Keywords: Deposited dust, heavy metals, off gases.

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