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Assessment of urban air pollution caused by motor vehicle complex and industrial facilities

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Abstract

This paper deals with the collected, processed and systematized information about the existing sources of air pollution caused by the facilities of Naberezhnye Chelny, their physical properties, qualitative and quantitative composition, as well as full-scale survey of the composition and intensity of traffic environment. Based on these data the summary calculation of emissions from factories and motor vehicles was performed. The content of pollutants was instrumentally measured in ambient air and the graphs of correlation between calculated and measured concentrations were constructed.

Keywords

Ambient air, Dispersion calculation, Dispersion maps, Industrial facilities, Motor transport, Pollutants, The maximum allowable concentration