



The method for environmental regulation of standardized specific emissions restricting

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A correct geoethical environment protection demands to develop a highly efficient methodology and technology to the benefit of the population. Such a goal has been achieved by the described recommended method. It consists in substantiating standardized specific estimation criteria for regulating emissions of dust, sulfur oxide, nitrogen oxide, carbon oxide emitted when solid fuels are burnt in the conditions of heating plants. The complex of indicators reflects the degree of influence of thermal, technical, technological, ecological, economic and operational characteristics of fuels, boilers, etc. Nominal capacities are taking into account the performances of works and energy losses when fuel is burnt. For this purpose, a guiding concept of using specific criteria to evaluate pollutant emissions to the environment has been involved. A special model serves as an analytical basis for determining specific amount of emission for an ingredient into the atmosphere per unit of energy (heat) obtained from combustion of initial volume of fuel with appropriate energy losses. - The system of analytical estimations for determination of specific estimation criteria for regulation of solid particles, sulfur oxide, nitrogen oxide and carbon monoxide emissions released from combustion of solid fuels is derived by formulas for determination of their total emissions taking into consideration all technical and thermo-technical performance indicators of solid fuel and boiler units. - The acceptable reliability of the system of analytical estimations for regulating processes of air pollution restrictions has been achieved by modifying the existing models involving various performance characteristics of heating plants. - The method enables to determine specific standardized emission values for their constituent ingredients and specific individual criteria for a rational restriction of air pollution by particular environmental sources. The advantage of the method consists in increasing the efficiency and reliability of environmental technologies and solutions aimed at improving ecological conditions of industrial facilities in the use of the developed system of parameterized analytical estimations.