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An improved technology for calculating the forecast of the meteorological indicator of pollution dispersion (MIPD) is described. The changes in the algorithm for calculating the MIPD, adopted on the basis of the results of verification of the algorithm using data on the concentrations of pollutants, are shown. Taking into account the model forecasts of wind speed and temperature obtained in assessing the quality, methods for their correction at the preprocessing stage have been developed and presented in the APS, the procedure for spatial averaging of the parameters included in the calculation of the MIPD has been optimized. The improvement in technology has reduced the number of false forecasts of MIPD in the range of meteorological conditions that contribute to the accumulation of pollution in surface air.

Keywords: methodological indicator of pollution dispersion, meteorological conditions of air pollution, adverse weather conditions, hydrodynamic forecast, model horizontal resolution, verification of forecasts data

Tab. 1. Fig. 8. Ref. 9.