

MATEMATICKÝ MODEL VÝPOČTU EMISNEJ VELIČINY $C_{\max} \text{NO}_x$ ZO SPAĽOVANIA VLNHKEJ DENDROMASY V ROŠTOVÝCH KÚRENISKÁCH

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ABSTRACT

Dzurenda L.: **Mathematic Model for the Calculation of the Emission Value of $c_{\max} \text{NO}_x$ for Combustion of Wet Dendromass in Grate Fire Chamber**

In this paper is specified emission variable $c_{\max} \text{NO}_x$ in combustion products from process of combustion of wet wood in fire chamber boiler. By technical calculation in compliance with measures § 3, subsection 2, sort a) regulations MZP SR 408/2003 from Collection of Laws is specified the highest concentration of nitrogen oxides NO_x expression form NO_2 in arid combustion products from process of wet dendromass burning.

Calculation of emission variable consists of calculations of maximal variable concentration NO_2 in arid combustion products and accuracy rating of objective technical calculation.

Key words: combustion, wet dendromass, technical calculation, emission variable $c_{\max} \text{NO}_x$