

**POLLUTANT EMISSION REDUCTION AS A RESULT OF BURNING HARD COAL INSTEAD OF
LIGNITE IN THE 420 T/H BOILERS OF
TWO ROMANIAN COMBINED HEAT AND POWER PLANTS**

A.M. Pavel, G. Pauna

Environmental and Technologies Department, ICEMENERG, Bucharest, Romania

The paper will present a comparison between the pollutant emissions for the 420 t/h boilers in Suceava and Iasi combined heat and power plants, running with lignite, respectively with hard coal. The pollutant emissions values were established by measurements using specialized equipment. The 420t/h steam boilers in Suceava and Iasi combined heat and power plants have been rehabilitated and have changed the lignite combustion with the hard coal combustion, in order to answer the EU standards of pollutant emission combating of air pollution from large combustion plants and the Romanian laws for air quality. The measurements performed have indicated that the replacement of the fuel quality and the setting up of low NO_x burners have leaded to the decreasing of the pollutant emissions. There are also given solutions for the decreasing of the dust concentration in the flue gas.