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BEST MANAGEMENT PRACTICES APPLIED TO PREVENT AND REDUCE CONCENTRATIONS OF DUST AND GASES RELEASED FROM POWER PLANTS

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Abstract

Employers notified about working places under special conditions are required to develop Preventive and Protective Revised Plan, in order to ensure the improvement of workers safety and health protection, including specific measures and actions, so that those working places comply with the norms and operate under normal conditions by the late 31 December 2013.

This paper considers some outcomes of the Nucleu Program PN 07450226 funded by Romanian National Authority for Research (ANCS) and developed during 2012-2013. The objective of this paper addresses the development of economically sustainable technical solutions for reducing the concentration of particulate matters and gases at their sources in power plants, in order to normalize the environmental conditions of special working places. During the first phase of the project, we identified dust and gas sources generated by machinery and equipment in working places with special conditions in Turceni and Deva power plants and also set the criteria and requirements for designing solutions to prevent and reduce these emissions, according to European practices in energy industry. Technical solutions envisage the development and application of effective projects for the abatement of various sources of dust and gas.

Key words: BREFs, dust, gas, particulate matters, power plants, prevention

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