Environmental Engineering and Management Journal

June 2017, Vol.16, No. 6, 1295-1299 http://omicron.ch.tuiasi.ro/EEMJ/



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IMPROVEMENT OF SECURITY MEASURES DURING THE USE OF EXPLOSIVES IN FIREDAMP HAZARDOUS MINES

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Abstract

This paper displays the results of the studies obtained according to the tests performed within INSEMEX explosives testing facilities, which concerns the establishing, on scientific grounds, of a procedure system of assessing the safety parameters for explosive charges used in fire-damp hazard mines, with a view to observe labour safety and health requirements while resorting to the safe and efficient rock blasting with explosives. As important results, it should be underlined the fact that the experimented charges are wide used in Romania in Jiu Valley coal-mines with good economic and technical benefits and also without any accidents and dangerous situations regarding the technology.

Keywords: certification, explosives for civil use, explosive mixture, fire-damp atmosphere, security

Received: May, 2016; Revised final: May, 2017; Accepted: May, 2017

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