



## **Seismic Impact from Massive Detonations in Limestone Deposits in Kosovo -Case Study Pasoma Deposit**

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**Abstract:** In order to determine the consequences after massive detonations such as seismic vibrations, noise and other setbacks in limestone deposits in Kosovo, measurements of various levels were conducted, where the deposit of Pasoma in Vushtrri was taken as a model. The parameters obtained after the massive detonation, based on the registration of seismic vibrations particularly for maximum oscillations resulted in a measurement of 3.5 mm/s, while the tolerance is up to 6.0 mm/s., whereas the level of noise was within the minimal limit of 16 dB. The results obtained were based on the Nonel system for the field initiations. This initiation system decelerated the drilling in rows, which in turn significantly reduced the amount of explosive that detonates at the same time.

**Key words:** *Detonation, Initiation, Vibration, Seismic, Noise, Nonel*

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