

NEWS THIS MONTH

YOUR SOURCE FOR ALL THINGS ROCK-BREAKING



THE KEY IS CONFINEMENT

Nxburst™ is a product that utilizes extremes. On one hand, in the open, the Nxburst™ cartridges are unlike any other explosive. When typical high explosives are handled incorrectly the consequences can be catastrophic and even fatal. Nxburst™ however can be safely handled and cannot cause the damaging effects that their 1.1 counterparts can cause. The advantages of the unconfined cartridge are numerous and make handling and transportation easy. On the other hand however, when the Nxburst™ cartridges are confined in a drill hole, everything changes. When an Nxburst™ cartridge is ignited, each gram of the cartridge's contents turns into a litre of gas. To put it simply, a 65042 cartridge will produce 650 litres of gas and there just isn't room for it. All the micro-fractures, cracks and rock weakness' then becomes a path for that gas to escape. This is the mechanism the Nxburst™ utilizes to break rock. If it has been a few years since you

have completed your Nxburst™ training you may not remember, the word confinement must be mentioned three or four dozen times. The reason confinement is mentioned so many times is because if the stemming operation is not done properly, or the wrong material is used, then the cartridge will not break rock. It is imperative that the gas created by the deflagration of an Nxburst™ cartridge cannot escape the drill hole by any means other than the micro-fractures created

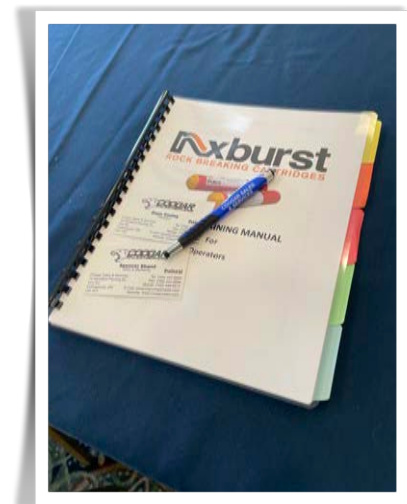


during the drilling. In the breaking of a boulder with a single hole, poor confinement may result in rifling. The cartridge will eject from the hole and the cost of that cartridge will have been a waste. In a blasting pattern of multiple holes every cartridge that is not confined will compromise the entire event. In some instances this can result in hundreds or even thousands of dollars in labour, drilling and cartridge costs squandered. There are many variables in breaking rock and some are unknown or uncontrollable. Stemming and confinement however is completely within the blaster's control and imperative to success. As a blaster your work will always be judged by your results. Ensure that all the hours of work and money invested into the split second event are protected and that the results of those efforts are maximized. A blaster will always be judged on their last project and using Nxburst™ will always be about confinement.



Nxburst Training in August

Last month we held 2 Nxburst training sessions. Both the theoretical and practical portions were held in Huntsville, Ontario. When you attend the Nxburst™ training course you get introductions to the world of rock-breaking. In-depth discussions into topics including cover materials and techniques, blast pattern design and loading plans. The staff at Coogar Sales & Services has over 50 years of blasting and rock-breaking experience to support our newly trained customers. We'll be holding another course in mid-August and if you're interested reach out to training@coogarsales.com or sign up on our website at: <http://coogarsales.com/nxburst-training>



Nxburst
ROCK BREAKING CARTRIDGES