

# **The Effect Of Precise Millisecond Delays On Fragmentation At The Rock Of Ages Quarry**

Raymond H. Green, Board Chairman  
Mitchell W. Green, President  
Green Mountain Explosives Inc.

## ABSTRACT

The authors examined the application of precise millisecond delay electric blasting at a well-known Vermont quarry. The paper explains how the use of a new high-accuracy electric delay detonator has improved fragmentation, raised productivity 10%, simplified blast design, and increased the ability to predict results from blasting.