

Analytical Measurements in Cast Blasting to Identify the Cause and Cure for “Orange Smoke” Formation

Industrial Alchemy
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The Nitrogen Dioxide Cloud:

After one year of testing it can be stated that we do know and understand a great deal about why the nitrogen dioxide formation is exacerbated in cast blasting. [Picture 1](#) is an example of how concentrated the NO_x can be from a cast blast. It has long been felt that 300 or more milliseconds of timing needs to be put between each row of detonations to



Picture 1: Baseline blast #3 at Triton North Rochelle on April 24, 2003.