



Mineral extraction activities can generate a significant environmental impact. MAXAM TAP's Environmental Impact Control Service helps mines and quarries set up a plan to monitor and control the environmental impact from drilling and blasting operations.

In addition, MAXAM works with mines to modify drilling and blasting practices to reduce the emissions of NOx in fumes, and reduce the amount of nitrogen leached into ground and surface water as a result of using explosives

APPLICATIONS

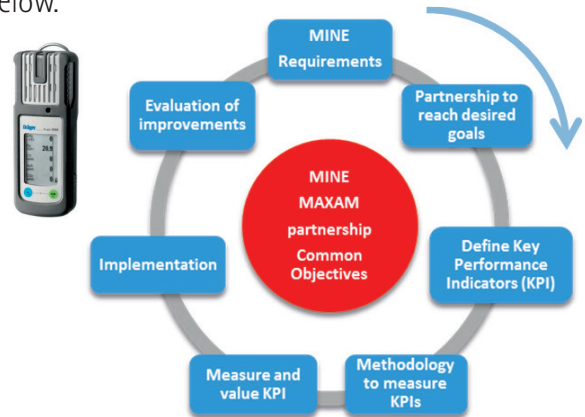
✗	Open pit mining
✗	Civil Infrastructure
✗	Underground mining
✗	Quarries

BENEFITS

- ✗ Reduce environmental impact.
- ✗ Control and reduce blast fumes (CO, NOx, NH<sub>3</sub>, H<sub>2</sub>S and other gases).
- ✗ Control and reduce nitrate and ammonia in water.



MAXAM technicians work with mine staff to set up a monitoring program for blast fumes and water quality using the standard methodology shown below.



Fumes:

Fumes are measured with field gas monitors and tracked. Emphasis is on tracking the amount of NOx, CO, NH<sub>3</sub>, and O<sub>2</sub>. Optionally, CH<sub>4</sub>, H<sub>2</sub>S and other gases may also be tracked.

Water quality:

Water quality upstream and downstream from the mine are analyzed and tracked with portable kits, and samples can be sent to recognized labs for detailed analysis

MAXAM technicians can further help the mine change drilling & blasting practices to reduce and control fumes, and the impact of mine operations on the quality of ground and surface water.

The information in this document is provided for information purposes only. MaxamCorp International, S.L. and/or its affiliates ("MAXAM") cannot, and do not, guarantee the information in this document is accurate and complete, and MAXAM shall not be liable for the contents of this document and/or for the consequences of any act or omission taken in reliance on the information contained herein. This information may be changed by MAXAM at any time. Please note that the contents of this document do not constitute a contractual offer and shall not be considered as any sort of contractual commitment on the part of MAXAM. If you wish to contract any of the services provided by MAXAM, you should contact your nearest MAXAM office.

version 1.0 January 2016