

# Dust Suppression Systems

**212 - 214**

## Foam Dust Suppression System

FaBa Commercial Services, sole GCC distributor for Environmental Control Systems United Kingdom, specializing in the field of dust control.

- Involved in dust control since 2007.
- We provide design, build, supply and installation service.
- We manufacture dust suppression systems and chemicals at our own facility in the UK.
- 40 years experience in chemical blending.
- We are active in a number of different countries around the world.
- Industries served: Mining, Quarrying, Power Generation and Recycling



Before

After

### Objective

The aim is to sufficiently wet fine dust particles so as to prevent them from getting airborne whilst ensuring that excessive moisture is not added.

### Key requirement of a Foam Dust Suppression System

- Foam Generating Unit
- Compressed Air
- Hoses & Nozzles
- Foaming Agent
- Control System
- Water Supply
- Power Supply

At Faba we provide a complete Design, Build, Installation and Maintenance service. We have dedicated engineers who travel the world carrying out installations. All our application systems are fully automated - not requiring any operator intervention on a daily basis. This coupled with the quality training provided to client personnel ensures that operation and maintenance is trouble free.

We have designed applications for facilities processing or handling as little as 0.5m tons per annum to over 20m tons per annum - in a variety of industries.

Our proprietary foaming agents are manufactured in our facility and are used in very low concentrations - less than 0.5%. The chemicals are tested for compatibility with the mineral being handled to ensure that its quality is unaffected. The foaming agent are totally safe to humans and are readily biodegradable.

The use of foam technology offers a solution that is **effective**, **efficient** and **commercially favourable** when compared to other options.



### Benefits of a Foam System

- Eliminates over 85% of fugitive dust
- Provides a safe working environment
- Improves relationships with neighbours
- Helps comply with regulations
- Minimal moisture addition - thus ensures efficient screening
- Reduces corrosion problems
- Improves product yield/retention
- Application equipment is fully automated - does not require any operator intervention
- Significantly reduces maintenance time and helps prolong equipment life.

### How To Control Dust

- Mechanical Controls  
Containment & spillage controls, dust collection, chute design
- Maintenance & Housekeeping  
Sweeping, vacuuming, wash down, plant maintenance
- Dust Suppression



**Call us for any appointment**