



WATER SPRAY DUST SUPPRESSION SYSTEM

KEY BENEFITS

- Most effective, safe & economic dust suppression system
- Low initial investment
- Low duct work
- No waste streams
- Reduced explosion hazard
- No moving parts
- Less maintenance needs
- Consistent moisturisation

DUST SUPPRESSION & CONTROL SPECIALISTS

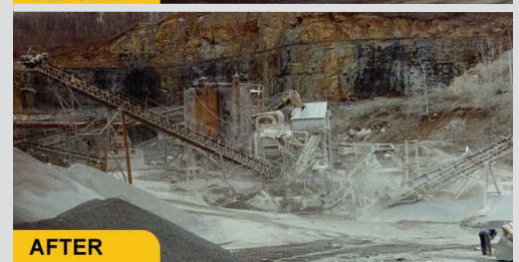
Introducing NESCO Water Spray System

Airtight's Water Spray Systems use a high-pressure pump and a variety of spray nozzles to add the right amount of water to your material. This type of system is used at locations from conveyor stack outs to storage piles, and in processes where slightly wetting the process material is not a problem. Some systems are equipped with modulating water regulators that are programmed to maintain the proper ratio of material process flow to water.



NESCO Theory

NESCO spray systems control dust by emitting a finely atomized mist that suppresses airborne particulates larger than 15um. This mist adds 0.2% to 0.5% moisture by weight to prevent visible dust emissions from downstream operations. Water spray systems use agglomeration to manage airborne dust, producing droplets that collide with dust particles, increasing their size so gravity can bring them back to the ground or process. High pressure water sprays produce droplets around 20um, effective against visible and inhalable dust but less so for respirable airborne dust. Moisture addition downstream reduces both respirable and visible dust creation.



Applications

- Mining and Quarrying
- Construction Sites
- Mining

- Roads and Highways
- Waste Management
- Industrial Facilities

- Outdoor Storage and Handling
- Agriculture
- Ports and Terminals

**DO IT ONCE
DO IT RIGHT**

