

CoolfogTM

“Providing Temperature, Dust, Humidity and Odour Control Solutions for Various Industries”

Access Environmental Systems offers new technology, providing temperature, dust, humidity and odour control solutions. Coolfog provides effective answers to managing your application and has been installed in numerous foundries, waste facilities, factories, greenhouses and quarries throughout Australia, New Zealand, UAE, Saudi Arabia, Oman, England, Scotland, Spain and Canada. Coolfog has also been adopted by Australia's largest municipality authority, the Brisbane City Council. Access Environmental Systems designs, manufactures, installs and services Coolfog systems, ensuring temperature, airborne dust and odours are dramatically reduced and humidity levels maintained.

How does Coolfog work?

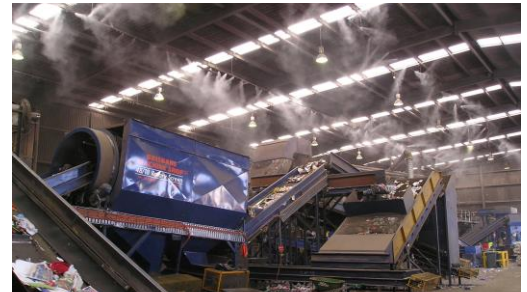
Coolfog pressurises water to 1,000 PSI, through uniquely designed nozzles, producing minute water droplet particles that evaporate into the atmosphere within seconds thus reducing the surrounding temperature by up to 15 degrees.

Similarly, this output of water fog encapsulates dust particles making them too heavy to remain airborne, suppressing them safely to ground. Coolfog reduces the risk of dust particulates entering adjoining industrial and residential properties creating a healthier environment for all employees and neighbours. In enclosed environments, the relative humidity can be controlled to the level which is applicable for each application.

Plant odours are controlled by introducing a liquid odour neutraliser into the Coolfog water supply. When fogged into the atmosphere the odour control product neutralises odours, improving both the working environment and its surroundings.

Making industries productive and harmonious with residential expansion.

Foundry and waste industries are witnessing mounting legal challenges from local, state and federal legislative and EPA groups, due to emissions. Issues of dust, heat and odours will be overshadowed by productivity inefficiencies if not effectively managed now. Quarries witness considerable downtime and lower productivity using traditional methods. Residential sprawl is also creating new challenges in the way industries manage and suppress dust in the suburban landscape.



Major benefits for using the Coolfog system include:

- Easily adaptable to all production facilities and site applications.
- Environmentally friendly.
- Highly efficient with client feedback reporting significant temperature, dust and odour reductions.
- Very economical on water consumption.
- Minimal downtime and maintenance.
- User friendly components.
- Assists companies to comply with legislative requirements.
- Minimises the impact of dust and odour on neighbours.
- Improves the working environment and company image.
- Will not block screening plants.
- Ideal for use with mains, rain, bore, creek or dam water.

Coolfog Testing – Environmentally friendly and effective!

Independent tests conducted by 'Airlabs Environmental' confirm Coolfog is highly effective in reducing airborne dust. Particle sizes of 10 microns are reduced by 69.23%, while particles sizes of 2.5 microns are reduced by a huge 74.5 %. Water is undoubtedly our most valuable resource. Excess water usage is greatly reduced when using Coolfog.

A typical foundry application will use between 8-40 litres per minute, making it economical to use on mains water supply. Traditional spray nozzles on quarry sites consume large volumes of water, up to 30-50 litres per minute per application point. Coolfog uses 40-80 litres per minute on an average size quarry with 40-60 application points.

Applications where Coolfog can be used.

Agricultural Storage	Horticultural Storage	Quarries
Amusement/Theme Parks	Hotels/Resorts	Recycling Industries
Aviaries	Hydroponics	Restaurants/Cafes
Botanical Gardens	Kennels	Rotomolding
Cardboard Manufacturing	Livestock	Sporting Venues
Dairy Cattle	Mining	Steel Mills
Equestrian Centres	Movie Production	Storage Warehouses
Factories	Oil Drilling Rigs	Tile Manufacturing
Fertilizer Manufacturing	Outdoor Areas	Transfer Stations
Foundries	Paper Manufacturing	Viticulture/Vineyards
Gas Turbine Inlet Air Cooling	Paper Mills	Wine Barrel Rooms
Greenhouses	Patios	Workshops
Horse Stables	Piggeries	Zoos

Access Environmental Systems

Unit 5/23 Kenworth Place
Brendale QLD. 4500
Ph: +61 7 3881-3262
Email: sales@coolfog.com.au
Web: www.coolfog.com.au

