

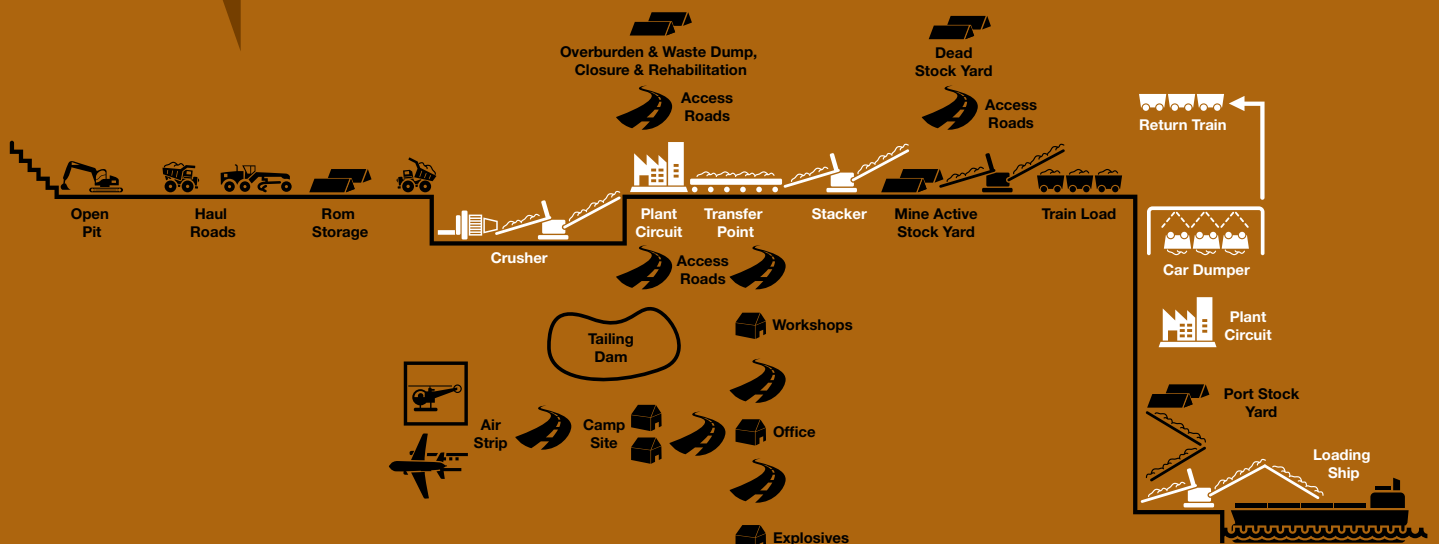


Mining Industry Solutions



Rainstorm Dust Control Fog System

Rainstorm Fog



Rainstorm Fog Dust Control Fog Systems

Design • Build • Install • Commission • Service

Design

Low Water

Rainstorm fog design works on the principle to deliver a small water particle under pressure, to match the dust particle size. Targets from PM 1 to PM 20 dust particles.

The dust particles increase in small molecule weights drop to ground faster. The efficient use of water to dust particles has significant benefits by not effecting ore moisture content and using significantly less water to control dust. (ore condition refer to PDX Data sheet).

High Pressure

Rainstorm fog systems come in modular size power packs for industrial applications in mining and ship loading activities.

Positive displacement pumps will deliver fog via multi line manifold systems along flexible high pressure hose, to place Rainstorm Fog close the generating dust source.

Adjustments to pressure fine tune the Rainstorm fog to match conditions.

Lines attached via cable extend close to dust generation area, minimising impact from air velocity.

Filtration and Water Quality

Water supply quality must be considered relative to nozzle size options. Cleaner water will enable smaller apertures, finer mist. Poor quality water can be improved to suit V jets aperture nozzles.

Rainstorm fog systems control water quality with filtration, optional descaling in line clean and bromicide tablets.

Rainstorm Fog Construction

Fog Units made for section control in modular power pack design to provide flexibility in design and control.

Housed in mine specified units options include:

- Manual control
- Remote control.
- Redundant back pump
- Magnetic or fixed spray bars, or flexible line.
- Specialty design problem solving.

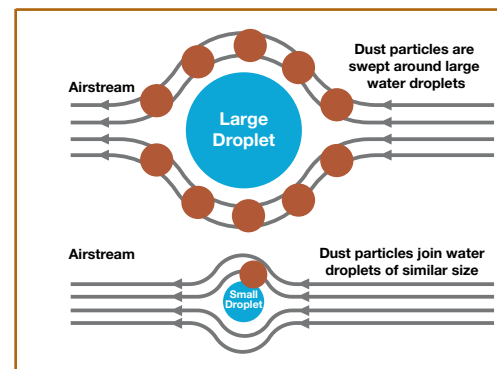
Installation

- Units can be packaged DIY for kit install.
- Full service installation team using experience mine safe workers, with appropriate qualification tickets for work at height.

Commissioning & Service

Service personnel provide full service commission systems using fine tuning of pressures and nozzles to match moisture control, particle sizing and wind velocity influences.

Back up service specialists available to repair clean and maintain systems.



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