

# RAIL CAR AND TRUCK DUMPS

## DRY FOG™ DUST SUPPRESSION AND CONTROL APPLICATIONS



### THE CHALLENGE

FUGITIVE DUST EMISSIONS AT RAIL CAR AND TRUCK DUMPS

Rail car and truck dumps are prevalent in marine and rail terminals, mine sites and power generation plants. Sites frequently receive material by rail and/or truck and need to transport this material to another section of the plant. Dust is a common problem when the material is discharged and impacts a receiving hopper or crusher below.

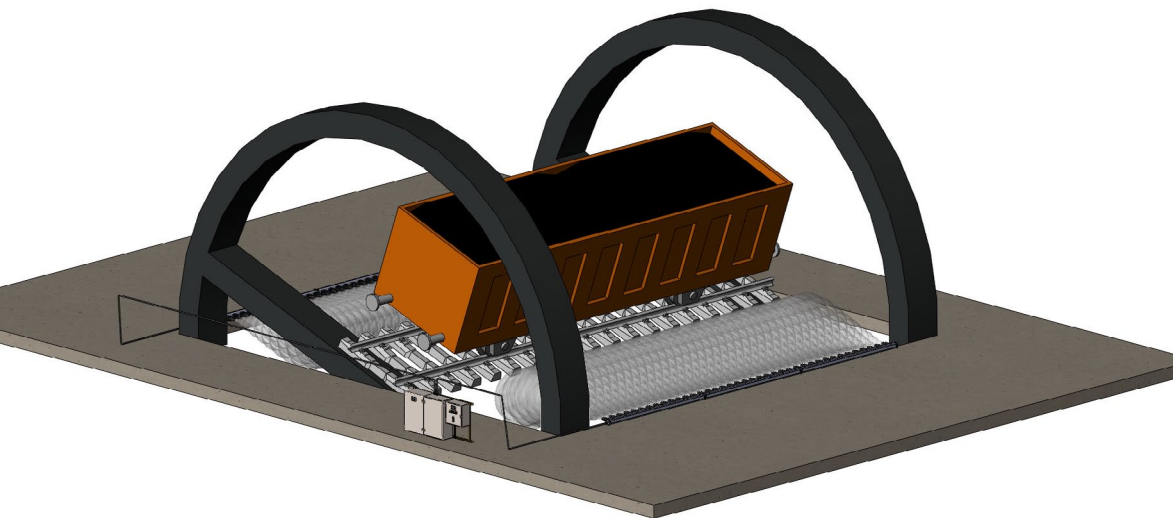


### THE SOLUTION

DRYFOG™ RESOLVES DUST ISSUES AT THE SOURCE

Dry Fog™ systems are an effective method for controlling and suppressing dust created from material discharged from belly and rollover dumpers as well as trucks. Dry Fog™ agglomerates to dust in the air during the dump process while suppressing particles that may try to escape the hopper or crusher upon material impact, returning them to the process.

One of the first Dry Fog™ Systems used at a rollover rail car dumper was for PRB coal at an electric power plant where the plant was able to achieve dust reductions of 94% over uncontrolled dumping.





# ADVANTAGES

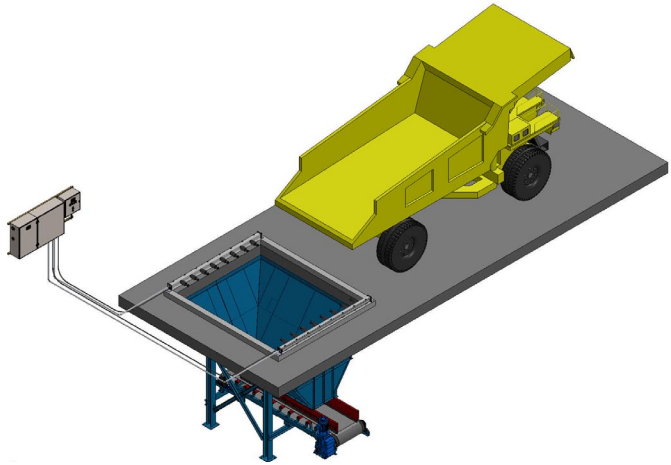
## DRY FOG™ OFFERS BENEFITS AND EFFICIENCIES OVER COMPETING TECHNOLOGIES

<p><b>LOW WATER USAGE</b></p>	<p>Dry Fog™ uses approximately 13 gallons per minute (GPM) of water for a typical rollover rail car versus water sprays and chemical systems that can use more than 300 GPM of water.</p>
<p><b>MINIMAL MOISTURE ADDED</b></p>	<ul style="list-style-type: none"> <li>• Dry Fog™ Systems can effectively capture airborne dust, returning it to the dump pocket, without wetting the material or your equipment.</li> <li>• Dry Fog™ can save on BTU penalty if the material is being used as fuel.</li> </ul>
<p><b>EFFECTIVE IN EXTREME TEMPERATURES</b></p>	<p>Dry Fog™ will not freeze and can operate in temperatures well below freezing without using chemicals versus sprays which create large water droplets that can freeze during wintertime operations impossible.</p>
<p><b>NO DUST COLLECTION = LOWER CAPITAL COSTS</b></p>	<p>Users are faced with disposing collected and sometimes explosive dust with collection systems. Additionally, they can lack high dust removal efficiency if not installed properly. When compared to dust collection systems, Dry Fog™ Systems can achieve equal or better results at approximately ¼ of the capital cost.</p>

### INDUSTRIES SERVED

- Power Generation
- Mining/Minerals
- Aggregate/Cement/Limestone/Sand
- Aluminum/Bauxite
- Steel Slag Recovery
- Glass Recycling

### SAMPLE APPLICATION | TRUCK DUMP



### CORPORATE HEADQUARTERS

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