

# *Dust Wash*

## Dust Wash Is Your Cleaning Solution

Power plants experience increased dust buildup when handling PRB coal. PRB coal "Float Dust" spreads throughout the plant, collecting on the floor, beams, equipment, and light fixtures creating fire and explosion risks. Proactive housekeeping practices, including wash downs, are necessary to maintain safe operations.

Dust Wash is our cleaning solution for helping you manage the risk associated with coal dust buildup. Jointly developed by HCT and a major power company, Dust Wash is the effective, economical, and easy to use solution for removing float dust as part of good housekeeping practices.

Dust Wash is a combined encapsulator and foaming agent. Applied at a 0.5-1.0% solution through a 2-3 gpm power washer, Dust Wash encapsulates the coal dust, while the foaming action lifts the dust from the surface.

## Why Use Dust Wash?

**Dust Wash's effectiveness through an intrinsically safe power washer minimizes water usage.**

Tripper rooms and other areas of the plant typically have inadequate drainage systems to handle the weekly or daily wash downs required when handling PRB coal. As a solution, power plants wash tripper room dust into their bunkers. The addition of too much water in the bunkers could lead to spontaneous combustion of coal in the bunker. Dust Wash delivered through a low flow pressure washer minimizes water used in wash downs and thus drainage requirements.

**Dust Wash usage is economical.**

A 0.5-1.0% solution delivered at 2-3 gpm consumes very little Dust Wash. A 55-gallon drum will provide thirty plus hours of continuous cleaning.

**Dust Wash is easy to use.**

Dust Wash is mixed with water at 0.5-1.0%. The Dust Wash solution is delivered through a portable power washer that meets the electrical classification of combustible dust environment (Class II, Div 1 or 2, Group F) and easily moved to clean even hard to reach areas. No rinsing is required after Dust Wash application.



**Footprints of Disaster!** The Minimum Explosive Concentration (MEC) for PRB coal is so low, that when you see footprints immediate action should be taken to minimize the hazard.



**Controlled demonstration showing the explosive potential of 52 lbs. (approx. 5-gallon pail) of PRB coal dust.**

**Contact Hazard Control Technologies today to learn more about how Dust Wash and Dust Wash**



**HAZARD CONTROL TECHNOLOGIES, INC.**

150 Walter Way  
Fayetteville, GA 30214

TEL: 770.719.5112  
FAX: 770.719.5117

[www.hct-world.com](http://www.hct-world.com)  
[info@hct-world.com](mailto:info@hct-world.com)