

PowerTreat* dust control

CoalPlus* treatment program

maximizing value

There are many material handling operations that utilize dust control technologies to prevent fugitive dust emissions and to promote safe handling practices. SUEZ's CoalPlus Treatment programs are engineered solutions that maximize the fuel value of coal by reducing material losses and mitigating degradation brought about by oxidation. For optimum results, CoalPlus treatment application starts at the point of origin. Upon application, the coal is stabilized for several weeks.

When coal is received at the power plant, a different set of material handling challenges arises. To address these challenges, various PowerTreat technologies are available for implementation:

PowerTreat solutions

- **PowerTreat FD series** – Foaming agent dust control
- **PowerTreat AD series** – Antioxidant Dust Control
- **PowerTreat DA series** – Agglomerant Dust Control

PowerTreat FD products are foaming agents used to provide high expansion ratio foam for suppressing dust at transfer points while minimizing moisture addition to the coal. From the crushers to the coal bunkers, foam dust suppression is effective in controlling fugitive dust.

PowerTreat AD products are patented anti-oxidants and dust control binders applied to coal that is directed to short term storage piles. The application is designed to inhibit oxidation of coal while controlling dust through agglomeration of fines. PowerTreat AD products can be applied using wet sprays or through bodyfeed foam.

PowerTreat DA products are dust control binders applied to coal sent to short term or long-term storage. Coal type or rank and pile storage duration are factors that determine the most effective product selection. PowerTreat DA products can be applied to the bulk coal at a transfer point or surface applied to long-term piles.

SUEZ's PowerTreat technologies are effective when implemented individually or in combination. Final treatment recommendations are based on several factors including coal type(s), handling operations, and performance standards.

benefits to customers

- Reduced dusting from barge or railcar unloading to the plant building - up to 90% less dust during unloading, stack-out and reclamation
- Significant reduction of oxidation – significantly reduced hot spots, smokers and spontaneous combustion reported at storage piles and silos
- Effective dust suppression with low moisture addition to the coal; This translates to reduced calorific value penalties
- Significant reduction of coal flow problems that result from wet coal conditions

applying the PowerTreat solutions

SUEZ's engineering team, in partnership with the utility, can audit the coal handling system to identify specific problems and design a custom PowerTreat program to address specific issues.

Your local SUEZ representative will work with SUEZ's power engineering teams and can answer all your technical, EHS or performance questions.

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

*Trademark of SUEZ; may be registered in one or more countries.

©2017 SUEZ. All rights reserved.