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| Clean Coal Solutions



Innovative Chemistry & Engineering
Solutions for Power Boilers

CoalTreat®

Advanced Pre-Combustion Fuel Treatment for Superior Slag & Fouling Control

CoalTreat® is an advanced fuel treatment that reduces slagging and fouling in coal-fired boilers by modifying ash chemistry both during and post-combustion. CoalTreat® can increase efficiency, improve heat transfer, restore lost capacity, improve reliability, and allow customers to

burn a wider range of coals. Rapidly deployed without plant modifications, CoalTreat® extends equipment life, reduces maintenance, and delivers cost-effective performance improvements.

www.eescorp.com

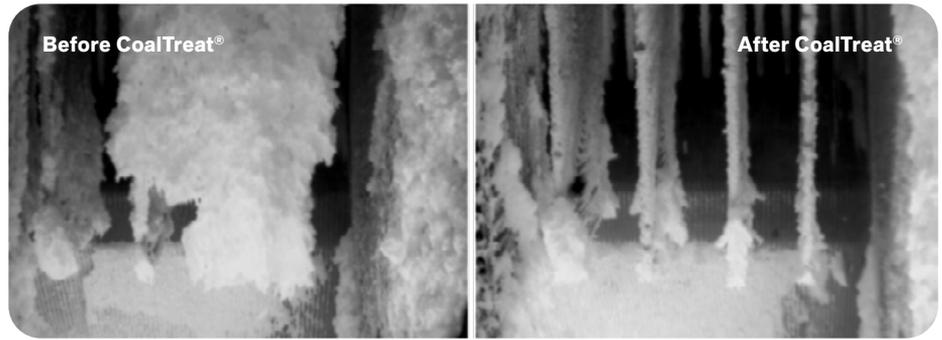
HEADQUARTERS

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The CoalTreat® Advantage



PERFORMANCE

- Improve heat transfer and efficiency (reduced heat rate)
- Reduce or eliminate attemperator spray flows
- Lower exhaust gas temperatures
- Reduce or eliminate derate and outages
- No adverse impacts to ash, LOI, salability, or pH
- Reduced NOx emissions (lower furnace stoichiometry possible with CoalTreat®)

FUEL FLEXIBILITY

- Burn "opportunity" coals (such as high Na & K) with higher slagging/fouling potentials
- Treat bituminous, subbituminous (including PRB), and lignite coals
- Works in T-fired, wall-fired, cyclone, stokers, kilns, and fluidized bed combustors
- Improves tolerance to coal quality variability, supporting more flexible fuel blending without increasing slagging risk

APPLICATION

- Rapid deployment (weeks, not months)
- On-belt or feeder applications
- No dilution (often DI) water use required.
- Non-toxic, innovative chemistry
- Low installation costs
- Unmanned system options
- Flexible dosing adapts to changing coal blends and operating conditions

MAINTENANCE

- Improved bottom ash handling system life (more friable ash)
- Reduced waterwall corrosion
- Reduced water cannon use (and risks of tube damage)
- Improved soot blower performance

PROVEN TREATMENT

- EES is a leader in anti-slugging & fouling treatment, with over 12,000 MW commercially treated.

