SB Sorbents

Sorbent Enhancement Additive

SORBENT ENHANCEMENT ADDITIVE TECHNOLOGY

PRODUCT DESCRIPTION

The SB line of sorbent enhancement additive (SEA®) sorbents help promote mercury oxidation and capture as a part of the ME_2C® **"Total Mercury Control"** Program. This solid, often carbon-based, material begins to synergistically react with SF products, impede sorption of flue gas constituents, and capture Hg as soon as it is injected into the flue gas *(up to 96+% Hg capture).* The ME_2C Technology program is covered under several U.S. patents.

All SB products are available in super sacks or bulk trailers.

BENEFITS

- Enhanced Mercury control at low dosage rates.
- Designed to work with SF products for effective oxidation and capture of Hg.
- Minimal-to-no impact on balance of plant equipment.
- Improved (lower) opacity.
- Gypsum and fly ash quality maintained.
- Superior material handling characteristics.
- Application equipment is simple to operate, low cost and easily maintained.
- Non-halogen sorbents can be stored in unlined silos.

APPLICATION

- Carbon and noncarbon based sorbents for the capture of oxidized and elemental mercury.
- Coal-fired plants with any type of emissions control configuration or fuel type.
- Typically injected at air heater inlet or air heater outlet locations upstream of particulate collection devices.
- Can be used with and without SF product oxidizers.

PROPERTIES

- Solid fine powder sorbents
- Carbon and noncarbon
- Sorbent surfaces optimized for Hg capture
- Easily handled and stored
- Low moisture
- Consistent particle size

PRODUCTS

SB24: Sorbent for most typical applications

SB31: Sorbent for flue gases with low-to-mid levels of SO_3 or other interferents

SB33: Sorbent for flue gases with high levels of SO_3 and opacity challenges

SB:** Other specialized sorbents available for difficult or unique applications

RELATED PRODUCTS:

SF10: Solid (Powder-Based)

SF20: Liquid (Solution- Based)

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