

Mercury Control

Design features:

Activated carbon injection: Powdered activated carbon (PAC) is injected into the flue gas stream; mercury is adsorbed onto the surface of the PAC and is removed in a downstream particulate control device.

Calcium chloride injection: for coals with low chlorine levels; an aqueous solution of calcium chloride is delivered onto the coal fuel feed which promotes the oxidation of elemental mercury in the flue gas, improving capture with downstream controls.

Absorption Plus (Hg)TM sulfide injection: augments mercury control in wet FGD systems by precipitating oxidized mercury from the scrubber liquid, increasing removal with the solids; improves overall mercury capture and inhibits mercury re-emission.

Removal efficiencies:

Varies with technology, installed equipment, mercury present in fuel, and gas-phase form of mercury (elemental or oxidized).

Fuels:

All mercury-containing solid and liquid fuels.

