Coal Preparation to Remove Mercury and Chlorine

Pre-combustion on site removal of mercury and chlorine from coal can help coal fired boilers:

- Meet Mercury emissions standards without costly capital and operating costs for Activated Carbon Injection
- Avoid carbon contamination of salable flyash
- Reduce maintenance costs from corrosion by significant reduction of hydrochloric acid gas creation
- Meet future HCl emission rules

The MacArthur Solution

MacArthur Energy engineers have developed a range of technologies to upgrade coal by removing moisture, Mercury, Chlorine in thermal treatment processes via a rotary kiln. These techniques can be used to help commercial, industrial, and utility boilers operators meet current and emerging EPA and state standards without the addition of scrubber or precipitator technology.

MacArthur Energy has invented and documented a number of advances in pre-combustion technology including significantly reduced complexity in off-gas management, reduced operating costs in moisture removal, cost effective treatment of gas and liquid effluents to produce clean valuable by-products, and enhancements to the effluent removal without corresponding loss of calorific value of the fuel. As such, MacArthur Energy has significant expertise and new IP in upgrading coal to enhance efficiency and lower emissions.

For further information, contact MacArthur Energy at Tel: (347) 414-9267 or Info@MacArthurEnergy.com