




## Total Mercury Control

Providing Technology  
and Solutions for MATS  
Compliance for All Coal  
Types and Boiler Designs





# Flexible. Cost-Effective. Performance Guaranteed.

Cost-Effective, Flexible, Performance-Guaranteed  
Compliance with ME<sub>2</sub>C's Sorbent Enhancement  
Additive (SEA™) Technology

**ME<sub>2</sub>C offers the highest mercury capture rates in the industry  
at a significantly lower cost than other traditional programs.**

ME<sub>2</sub>C provides customer-focused mercury capture solutions, driven by its patented SEA™ Technology using a powerful combination of science and engineering. We offer designed systems and materials tailored and formulated specifically to every customer's unique application.

With more than 20 years of successful demonstration and testing at more than 50 full-scale locations, our superior, cost-effective strategy will meet or exceed U.S. Environmental Protection Agency (EPA) Mercury and Air Toxics Standards (MATS) compliance for all coal-burning power plants. Backed by 24 patents across multiple solutions, our program is proving successful at electric generating units throughout North America.

# The Competitive Advantage: A Complete Science and Engineering Approach

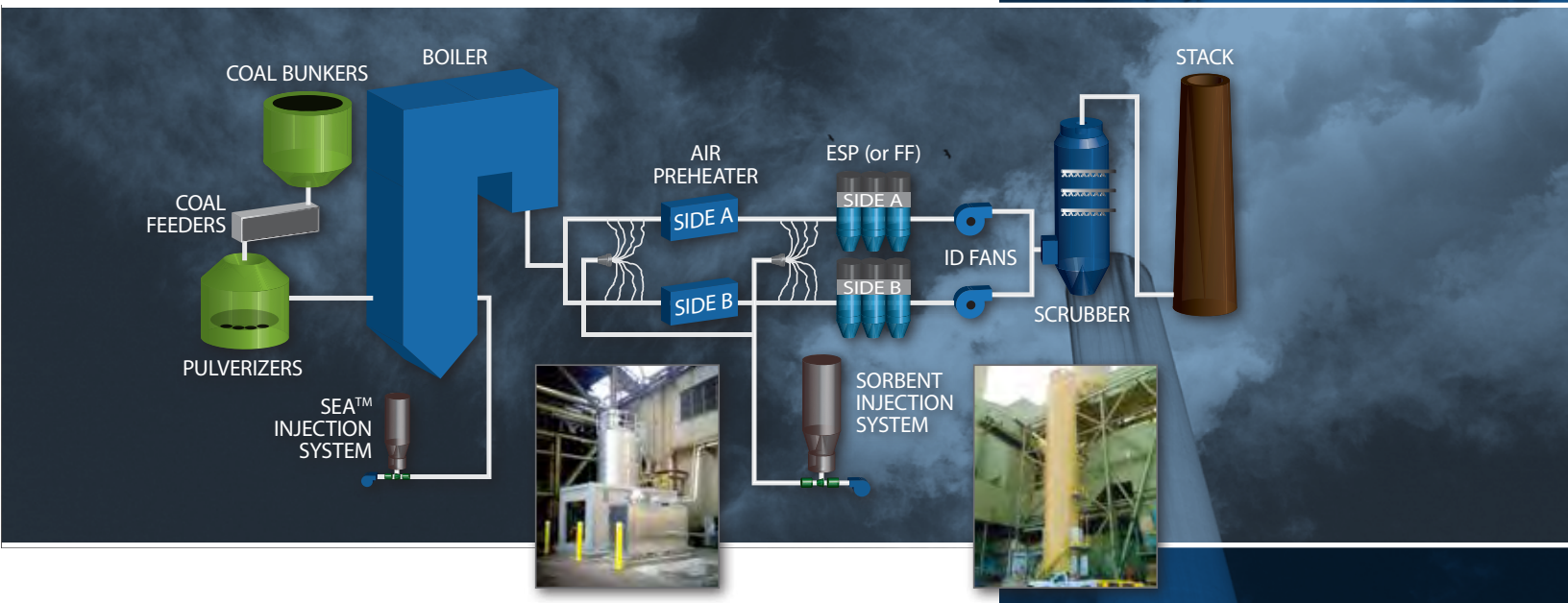
High-grade sorbent enhancement additives—injected into the boiler in minimal amounts—work in conjunction with proprietary sorbent products to ensure maximum mercury capture.

## Technology Features

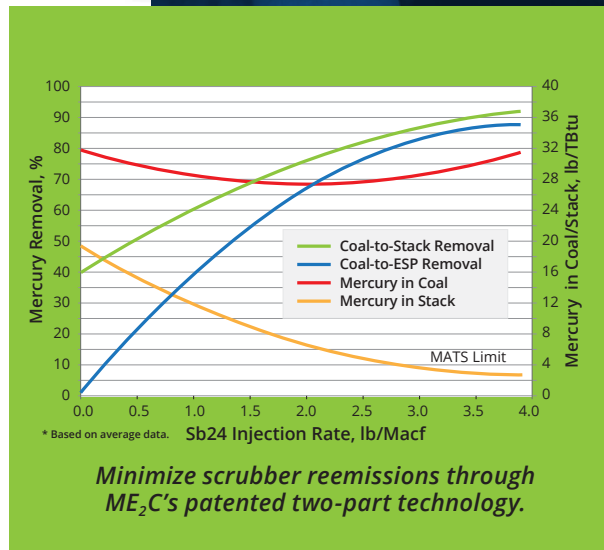
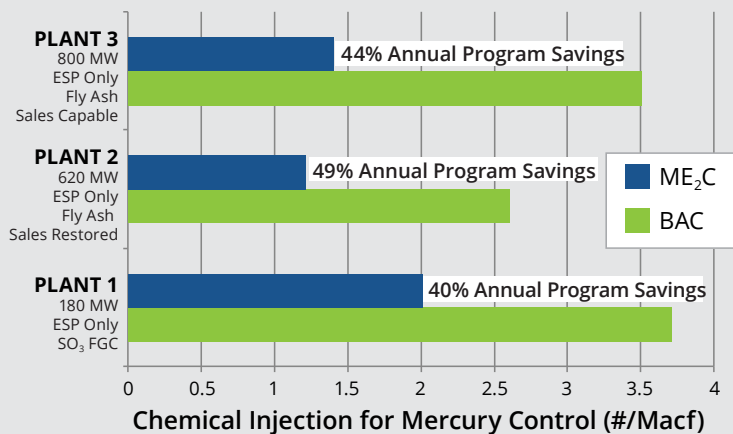
- Proven Program Economics
- No Balance-of-Plant Issues
- Cost-Effective Capture Technology
- Guaranteed Results
- Maintain/Restore Fly Ash Sales
- High-Sulfur-Tolerant and SO<sub>3</sub>-Tolerant Sorbents

## About Midwest Energy Emissions Corp.

Midwest Energy Emissions Corp. is fast becoming a worldwide leader in providing customer-centric mercury capture solutions. With a strong focus on continuous innovation and industry foresight, our vision is to deliver leading-edge, cost-effective solutions for mercury emission control to utility boilers worldwide.



Mercury Control Program Chemical Dosing Rates (ME<sub>2</sub>C vs. BAC)





# Customized Emissions Services

ME<sub>2</sub>C is constantly innovating and rigorously testing materials/products to condition complex flue gases to most efficiently capture mercury. Through innovation, our products adapt to a myriad of complicated flue gas environments, providing guaranteed savings.

## Armed with cutting-edge expertise and technology, we offer customers:

- Assessment of existing systems and suggested improvements.
- Assessment and guidance of mercury capture and emissions by our industry-leading team of experts in material handling and mercury control science and technology.
- Optimal design of the injection strategy and appropriate equipment layout and installation.
- Sorbent optimization using flow modeling for a customized, low-cost plan for each unit.
- Emission testing for mercury and other trace metals with our mobile laboratory.
- Ongoing research toward improved technology for mercury capture and rapid-response scientific support for emission or combustion issues as operations and regulations change.



ME<sub>2</sub>C Portable Sorbent Injection System – trailer mounted (above) or stationary (right).



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