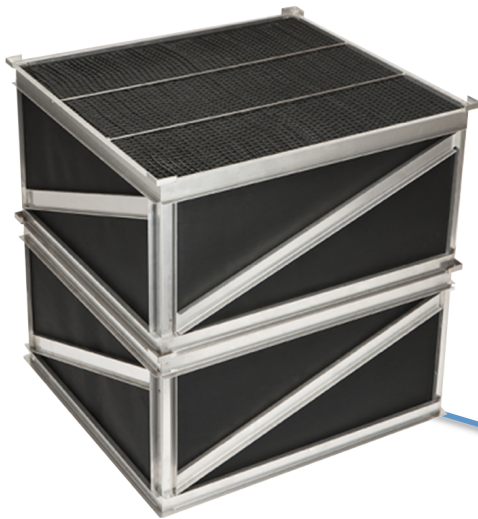
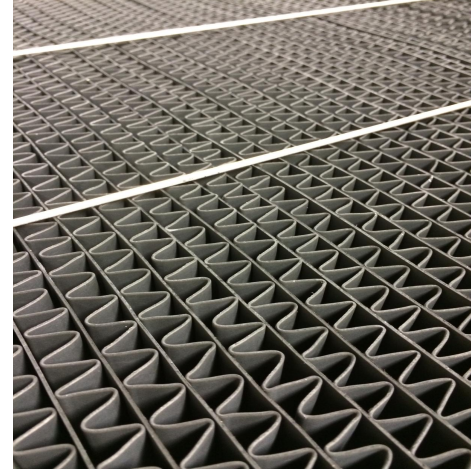


# New Mercury and SO<sub>2</sub> Control Technology By EnviroCare and W.L. Gore

## Fixed Sorbent Technology

- Sorbent Polymer Composite (SPC)
- Continuous mercury adsorption
- Continuous SO<sub>2</sub> reduction
- No chemical injection or moving parts
- Corrugated construction (low pressure)
- Can be installed inside of a wet scrubber

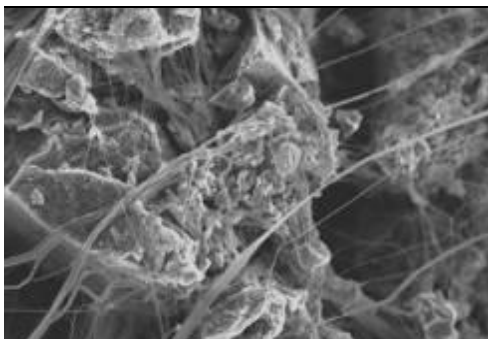


## Mercury Sorbent

- Captures elemental and oxidized mercury
- High capacity for mercury capture
- Does not require regeneration
- Two to five year life
- Easy disposal

## SO<sub>2</sub> Oxidation Catalyst

- SO<sub>2</sub> is converted to H<sub>2</sub>SO<sub>4</sub>
- H<sub>2</sub>SO<sub>4</sub> is expelled in wash water



## SPC Material

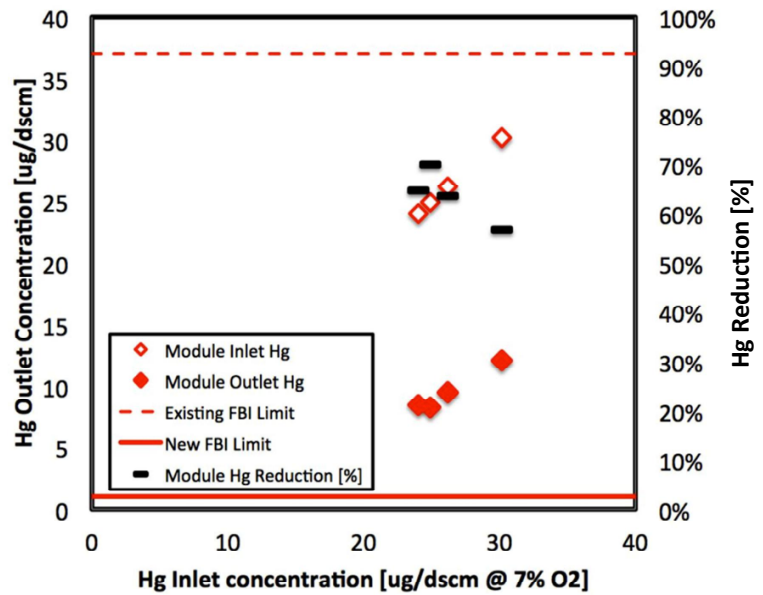
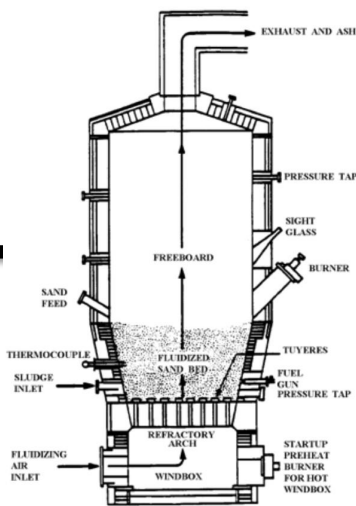
- Three components
- ePTFE
- Mercury adsorbent
- SO<sub>2</sub> catalyst



# RESULTS: Edmonds Waste Water Treatment Plant

FBI with 900 lb/hr dry sludge feed  
1999 VenturiPak scrubber  
28 µg/dscm inlet mercury  
10 µg/dscm outlet mercury

Two modules in parallel  
Low flow test  
65% mercury reduction



## MSD Buncombe County Asheville, NC

FBI with 1000 lb/hr dry sludge feed  
78 µg/dscm inlet mercury  
4.4 µg/dscm outlet mercury

Five modules in series  
44% reduction across each module  
94% maximum reduction

