

Beaumont Environmental Systems

Summary of MACT Requirements

Solid fuel units

Large (Greater than 10 MM Btu/hr heat input)
Small (all firetubes and others less than 10 MM Btu/hr)
Limited-use (less than 10% capacity factor)

Liquid fuel units

Large (Greater than 10 MM Btu/hr heat input)
Small (all firetubes and others less than 10 MM Btu/hr)
Limited-use (less than 10% capacity factor)

Gaseous fuel units

Large (Greater than 10 MM Btu/hr heat input)
Small (all firetubes and others less than 10 MM Btu/hr)
Limited-use (less than 10% capacity factor)

Existing large solid fuel units

PM -- 0.07 lb/million Btu, OR TSM – 0.001 lb/MM Btu
HCl -- 0.09 lb/million Btu (~ 90 ppm)
Hg – 9 lb/trillion Btu

Existing limited use solid fuel units

PM -- 0.21 lb/million Btu, OR TSM – 0.004 lb/MM Btu

Existing small solid fuel units

No emissions standards

Existing liquid

No emissions standards

Existing gaseous fuel

No emissions standards

New solid fuel units

PM - 0.025 lb/million Btu, OR TSM 0.0003 lb/MM Btu
HCl - 0.02 lb/million Btu (20 ppm)
Hg - 3 lb/trillion Btu
CO - 400 ppm @ 7% oxygen (not for small units)

New liquid fuel units

PM - 0.03 lb/million Btu
HCl - 0.0005 lb/mm Btu (large units), 0.0009 lb/MM Btu (small/limited)
CO - 400 ppm @ 3% oxygen (not for small units)

New gaseous fuel-fired units

CO - 400 ppm @ 3% oxygen (not for small units)

Testing:

Initial compliance tests (PM or TSM, HCl, mercury)
Performance tests (stacks tests) OR fuel analyses
Annual performance tests
Fuel analysis every 5 years or each new fuel type

Monitoring

Process parameters (opacity, pressure drop, CO, fuel, etc.)
CO CEM New large units greater than 100 million Btu/hr
Annual CO tests for others new units

Continuous Compliance

Demonstrated by maintaining operating limits