

Draft 6 NYCRR 227-2 NOx RACT Revisions

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Proposed Very Large Boiler Emission Limits (lbs/mmBtu)

- Natural gas only – 0.08
- Natural gas/oil – 0.15
- Wet bottom coal
 - Cyclone – 0.20
 - All other burner types – 0.12
- Dry bottom coal
 - Tangential – 0.12
 - Wall – 0.12
 - Fluidized bed – 0.08

Proposed Large Boiler Emission Limits (lbs/mmBtu)

- Natural gas only – 0.06
- Natural gas/oil – 0.15
- Pulverized coal – 0.20
- Fluidized bed – 0.08



Proposed Mid-Size Boiler Emission Limits (lbs/mmBtu) & Size Threshold

- Natural gas only – 0.05
- Distillate oil/gas – 0.08
- Residual oil – 0.20

- Mid-Size boilers – Size redefined as greater than 25 mmBtu/hr and less than or equal to 100 mmBtu/hr



Proposed Small Boiler, Small Combustion Turbine, & Small Engine Requirements

- Definition of Small Equipment:
 - Boilers – maximum heat input \Rightarrow 1 mmBtu/hr and \leq 25 mmBtu/hr
 - Turbines – maximum heat input \leq 10 mmBtu/hr
 - Engines – maximum mechanical output $<$ 200 bhp in any severe ozone nonattainment area and $<$ 400 bhp in the remainder of the State
- Small Equipment Requirements – Annual Tune-ups

Proposed Combustion Turbine Emission Limits (PPM)

- Simple Cycle
 - Natural gas only – 50*
 - Multiple fuels (natural gas, oil, etc.) – 100*
 - Removal of the 500 hr/yr non-ozone season exemption
- Combined cycle & cogeneration
 - Case by case analysis



Proposed Compliance Options

- Shutdown
 - Allows facility to shut down an emission source in-lieu of meeting RACT
- System Wide Averaging
 - Allow different companies to average with each other



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Part 231

- Effective Date
- State Implementation Plan (SIP)
Submission
- PM2.5 Issues