

# Draft NOx RACT Regulations

## 6 NYCRR 227-2

# Emission Limits (lbs/mmBtu)

- Very Large Boilers
  - Gas Only – 0.08
  - Gas/Oil – 0.15
  - Wet Bottom Coal
    - Cyclone – 0.2
    - All Others – 0.12
  - Dry Bottom Coal
    - Fluid. Bed – 0.08
    - All Others – 0.12
  - Annual Tune Up Required
- Large Boilers
  - Gas Only – 0.06
  - Gas/Oil – 0.15
  - Pul. Coal – 0.20
  - Fluid. Bed – 0.08
  - Annual Tune Up Required

# Emission Limits (lbs/mmBtu)

- Mid-Size Boilers
  - Gas Only – 0.05
  - Distillate Oil – 0.08
  - Residual Oil – 0.20
- Size redefined as 25 to 100 mmBtu/hr
- Annual Tune Up Required
- Small Boilers
  - Annual Tune-ups remain as applicable requirement
- Size redefined as 10 to 25 mmBtu/hr

# Emission Limits (ppm)

- Simple Cycle Turbines – No Changes
- Combined Cycle & Cogen
  - Gas – 25
  - Oil – 42

# Compliance Options being Considered

- Fuel Switching
- Emission Source Shutdown
- System Averaging
  - Keep the same
  - Average between Companies
  - Other Ideas ???

# New PM2.5 NAAQS

# New PM<sub>2.5</sub> NAAQS

- EPA Set 24-Hr NAAQS at 35 ug/m<sup>3</sup>
- Designation Recommendations made December 2007
  - NYMA Recommended Nonattainment
    - 10 County Area (same as Annual NAAQS)
    - 41 ug/m<sup>3</sup> at PS 59 Monitor (2004-2006)
  - Buffalo/Niagara Falls Recommended Unclassifiable
    - Very Low Values in 2006 at Buffalo & Lackawanna (28.4 & 28.2) brought levels below NAAQS for the 1<sup>st</sup> time
    - Department wants to see if this is anomalous or a trend before recommending designation

# New PM2.5 NAAQS

- 2007 Data
  - NYMA Generally trending downward but still nonattainment
    - 3 year average = 40 ug/m<sup>3</sup> at PS 59 and PS 19
    - 5 of 9 other monitors in NYC above NAAQS
  - Buffalo/Niagara Falls
    - No discernible trend but still below NAAQS
    - Buffalo monitor = 34.9 g/m<sup>3</sup> for 2007
    - Lackawanna monitor = 34.6 ug/m<sup>3</sup> for 2007
    - Recommending EPA look at 2008 data before designating