UTILITY BOILER TESTING/MONITORING RECOMMENDATIONS

Coal-Fired Units (> 250 MMBtu/hr)

• FUEL SAMPLING
  Sulfur – monthly, or per delivery (if required by permit)
  Mercury – monthly analysis of composite sample

• CONTINUOUS MONITORING
  Opacity
  NOx, SO2, CO, & O2
  Volumetric Gas Flow
  Ammonia, if equipped with SCR/SNCR (process monitor)

• STACK TESTING (ANNUAL)
  Criteria Pollutants (TSP, PM-10)
  Heavy Metals (As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni)
  Acid Gases (HCl, HF)

• STACK TESTING (ONCE PER 5-YEAR PERMIT TERM)
  Criteria Pollutants (NOx, SO2, CO, VOC)
  Non-Metals (P, Se)
  Total Dioxins/Furans
  Polycyclic Organic Matter (POM)*

* Total POM emissions shall be tested using a NJDEP approved test method. Emissions of the following 16 POM constituents shall be speciated and reported:

Naphthalene
Acenaphthene
Acenaphthylene
Fluorene
Phenanthrene
Anthracene
Fluoranthene
Pyrene

Benzo(ghi)perylene
Benz(a)anthracene
Chrysene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene
Dibenzo(a,h)anthracene
Indeno(1,2,3-cd)pyrene