

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

NO_x, 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 (NO_x, 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
Dibenz(a,h)anthracene
Indeno(1,2,3-cd)pyrene