



Testing & EVALUATION

❖ Vital Diagnostics

In the new stricter regulatory environment, Novinda's skilled engineers and air quality specialists, all with vital hands-on utility and industrial plant experience, offer immediate and reliable source testing for compliance, boiler process operational improvement and air quality control system evaluation.

❖ Stack Testing

Crucial Information for Key Decisions

Whatever the purpose—in-house information, plant design/expansion or regulatory compliance—source testing data is important. Novinda has the equipment and expertise to provide the range of stack testing services, from the simplest and most ordinary to the highly complex, and with fast, reliable results.

❖ Case Study:

Activated Carbon Injection System & Trona Demonstration Test

Maryland

Challenge: Evaluate inlet/outlet Hg CEMS system for differing grades of PAC.

Approach: Novinda professionals performed testing for a full-scale activated carbon injection demonstration involving several vendor grades of PAC. Testing included inlet and outlet Hg CEMS in conjunction with OHM at the inlet and outlet. All OHM analytical was conducted on-site with results within 24 hours.

Result: Accurate performance curves for each grade of PAC documented for client.

❖ Novinda Source Testing Capabilities & Services

Adept with the range of important tests and the array of accepted methodologies, and equipped with state of the art sampling and analytical equipment, Novinda is the right group to call for the myriad of stack tests.

Testing and Methodologies

Dry Sorbent Injection Trials:

Trona, Sodium Bicarbonate, Hydrated Lime and Activated Carbon

Mercury Oxidation Enhancement:

CaBr₂, Hydrogen Bromide

Emissions Testing:

HCl, Metals, Hg, Cr⁶⁺, PM 2.5/10/CPM, SO₂, SO₃, NO_x/CO, Dioxins, Speciated VOCs

Wet Methods:

Speciated Hg by OHM, SO₃, PM 2.5/10/CPM (by dry impinger), SVOC

Mobile CEMS:

CO, THC, SO₂, NO_x, FTIR, HCl, HF, NH₃

Solid/Liquid Sampling:

Coal: *Ult, Prox, Cl, GCV, Ash, Hg*

Ash: *TCLP, Trace Metals, Cl, LOI*

FGD: *Slurry/Blowdown*



Novinda
Advanced Air Quality Technologies