

Coen Company, Inc. Introduces Sub-5 PPM NO_x Burner for California OTSG

SAN MATEO, Calif., October 13, 2011 – Coen Company's new, energy efficient Ultra Low NO_x (ULN) burner technology has successfully achieved sub-5 ppm NO_x emissions with exceptional combustion stability on multiple once-through steam generator (OTSG) units in the Kern County Oil fields.

The first QLN-II™ burner was commissioned in January, 2008 at the Round Mountain oil fields near Bakersfield, Calif. Source testing of the QLN-II 85 Million Btu/hour burner was performed by Aeros Environmental on September 20, 2011. On-site performance testing was accomplished with automatic combustion controls. The QLN-II™ burner achieved 4.4 ppm NO_x and 0 ppm CO (corrected to 3% O₂ dry) at 2.6% stack O₂.

New restrictions in the San Joaquin Valley of California require operation with less than 7 ppm, and less than 5 ppm NO_x emissions standards are expected in the near future. Strict air pollution regulations are making it more difficult to remain competitive in a fierce global environment, so customers need reliable and economical combustion technologies that can meet and exceed environmental performance standards.

Designed for the OTSG market, the patented QLN-II™ burner delivers reliable and economical combustion technology to meet and exceed environmental performance standards. The burner allows substantial latitude in deviations of induced FGR and excess air rates without developing combustion instabilities. The amount of FGR necessary for NO_x control is substantially lower than what is typically required by premixed ULN burners for achieving comparable emissions. This, in conjunction with low burner draft loss and low excess air capability, presents energy efficient ULN burner technology for OTSG with the lowest NO_x emissions operating in the California OTSG market today.

For more information about QLN-II™ ultra low NO_x burner systems, call 1-800-445-0912.

Coen Company, Inc., headquartered in San Mateo, Calif., is a worldwide leader in the design, manufacture, service, and maintenance of low-NO_x and ultra-low-NO_x boiler burners, duct burners and combustion systems. With more than 15,000 installations worldwide, Coen burner equipment and combustion systems provide optimum performance to meet the needs of the industrial, utility, combined cycle, refinery, and petrochemical industries. To learn more about Coen Company visit www.coen.com.