

The NOx Reduction Capabilities Of a Nationwide CataStak™ SCR System



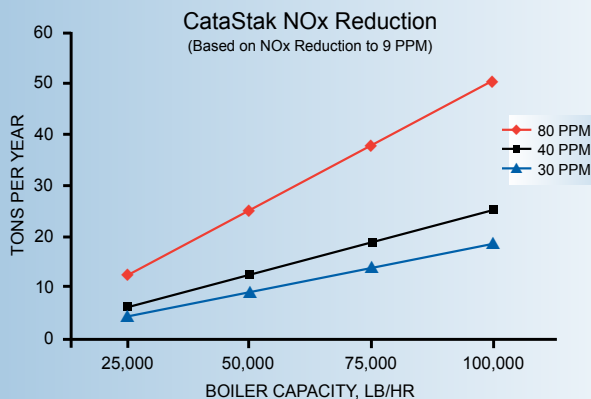
Advantages of a CataStak™ SCR System

- Easy field retrofit – no burner or fan changes required
- Simple controls – minimum operator intervention
- Low operating cost
- Stand-alone operation
- Dramatic reduction in stack emissions

Nationwide Environmental Solutions' *CataStak* is a portable, low-temperature Selective Catalytic Reduction (SCR) system, capable of reducing NOx emissions by as much as 90%. The *CataStak SCR System* consists of a single-reactor housing with catalyst and an ammonia injection skid. The ammonia control flow unit typically holds three ammonia cylinders, an ammonia header, and associated instrumentation, including Nationwide's patent pending NOx reduction control system. The *CataStak SCR System* is available with most Nationwide Boiler rental units and is also available as an add-on for existing and new package boilers, gas turbines, heaters and for other demanding applications.

As allowable stack emission regulations become more stringent, plant facilities seek the lowest possible emissions to meet the newest standards, to add plant capacity without increasing overall plant emissions, or to minimize NOx emission offset costs. These costs have been over \$80,000 per ton. The *CataStak SCR System* can substantially reduce NOx, as well as VOC and CO emissions.

The *CataStak SCR System* is designed as a cost effective answer to reducing stack emissions. It does not require ammonia storage tanks, ammonia vaporizers, and complicated control systems based on NOx measurements. Rather, it is designed for stand-alone operation with minimum operator intervention.



4431 Town Center Place, Kingwood, TX 77339

Phone: 281-913-7756

info@catastak.com

www.catastak.com

Nationwide Environmental Solutions is a strategic business unit of Nationwide Boiler Inc.



42400 Christy Street, Fremont, CA 94538

Toll-free: 800-227-1966 / 510-490-7100

info@nationwideboiler.com

www.nationwideboiler.com