

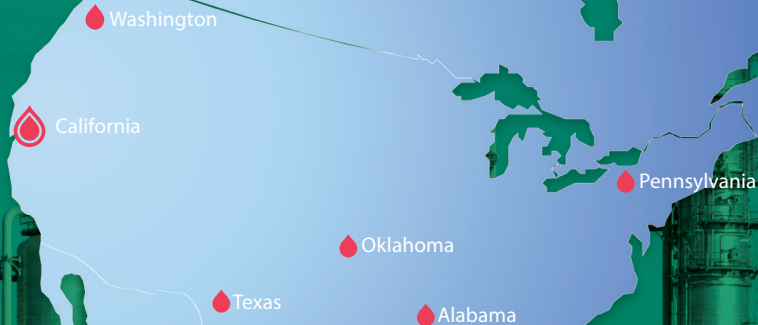
INTEGRITY, DEPENDABILITY, REAL CUSTOMER SERVICE

EMISSIONS COMPLIANCE, WITHOUT COMPROMISE

Nationwide Environmental Solutions' Family of Products:



Total Plant Solutions for Emissions Compliance, Without Compromise



NBI Headquarters:
42400 Christy Street
Fremont, CA 94538
(800) 227-1966

Central Valley Sales:
7211 W. Pershing Ct., Ste. E
Visalia, CA 93291
(559) 623-9318

Controls Division:
3720 S. Truman Street
Washougal, WA 98671
(360) 335-1443

www.nationwideboiler.com | info@nationwideboiler.com
True Nationwide Coverage & Beyond. Representatives Located Worldwide.



Selective Catalytic Reduction for Multi-Pollutant Emissions Control



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

Experience Equals Proven Solutions

In today's energy-conscious environment, the application of sustainable solutions that optimize energy usage and emissions output can provide a competitive advantage. Nationwide Environmental Solutions, with the goal of providing Total Plant Solutions that reduce emissions and increase energy efficiency, has the experience to improve plant operations while presenting that competitive advantage.

Nationwide's family of products are built on the company's tradition of excellence in supplying dependable rental boiler equipment. This same commitment to excellence extends to our emissions reduction, efficiency enhancement, and stack monitoring products. Our complete line of CataStak™ selective catalytic reduction (SCR) systems, energy-efficient EconoStak economizers, and DataStak™ emissions and efficiency monitoring systems are specifically designed to be integrated to any new or retrofit application, and **can meet varying fuel, space and economic considerations, while providing unmatched standards of quality and performance.**

The CataStak is a compact, proven, multi-pollutant emissions control system, designed to reduce nitrogen oxide (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) emissions from various fired equipment applications. The system achieves this goal using a simple and elegant technique:

1. Your choice of NOx reducing agent (reagent) is injected into flue gasses via the exhaust stack
2. Flue gas, containing measured amounts of ammonia, passes through a reactor chamber with active catalyst
3. As flue gas contacts the catalyst, NOx is converted into inert nitrogen gas and water

- Boilers
- Fired Heaters
- Gas Turbines
- Simple Cycle
- Combined Cycle
- Furnaces
- OTSGs
- Engines
- ...and More!

NOx Reducing Agent: You Have a Choice

Anhydrous	<ul style="list-style-type: none"> - Pure ammonia - Most economical choice - Most stringent handling requirements
Aqueous	<ul style="list-style-type: none"> - 19-29% ammonia-water solution - Vaporized or direct injection - Easier, safer handling requirements
Urea	<ul style="list-style-type: none"> - 32.5% urea-water solution (DEF) - Converted to ammonia within the system - Easiest, safest handling requirements



Reliable Performance Equals Peace of Mind



Nationwide's design of the reactor house enables optimum contact between the flue gas and the catalyst, **assuring the highest level of NOx reduction and minimum pressure drop.** The CataStak has provided customers with NOx reduction **as low as 2.5 ppm**, not only meeting but exceeding most current regulations.

With over 150 successful installations across the nation, the simplicity and ease-of-operation of CataStak has been proven to provide measurable advantages over other emissions reduction approaches.

You can count on Nationwide to support your plant operations by providing **"Emissions Compliance, Without Compromise"**.

