

REINHOLD ENVIRONMENTAL Ltd.



**2013 NO_x-Combustion Round Table
& Expo Presentations**

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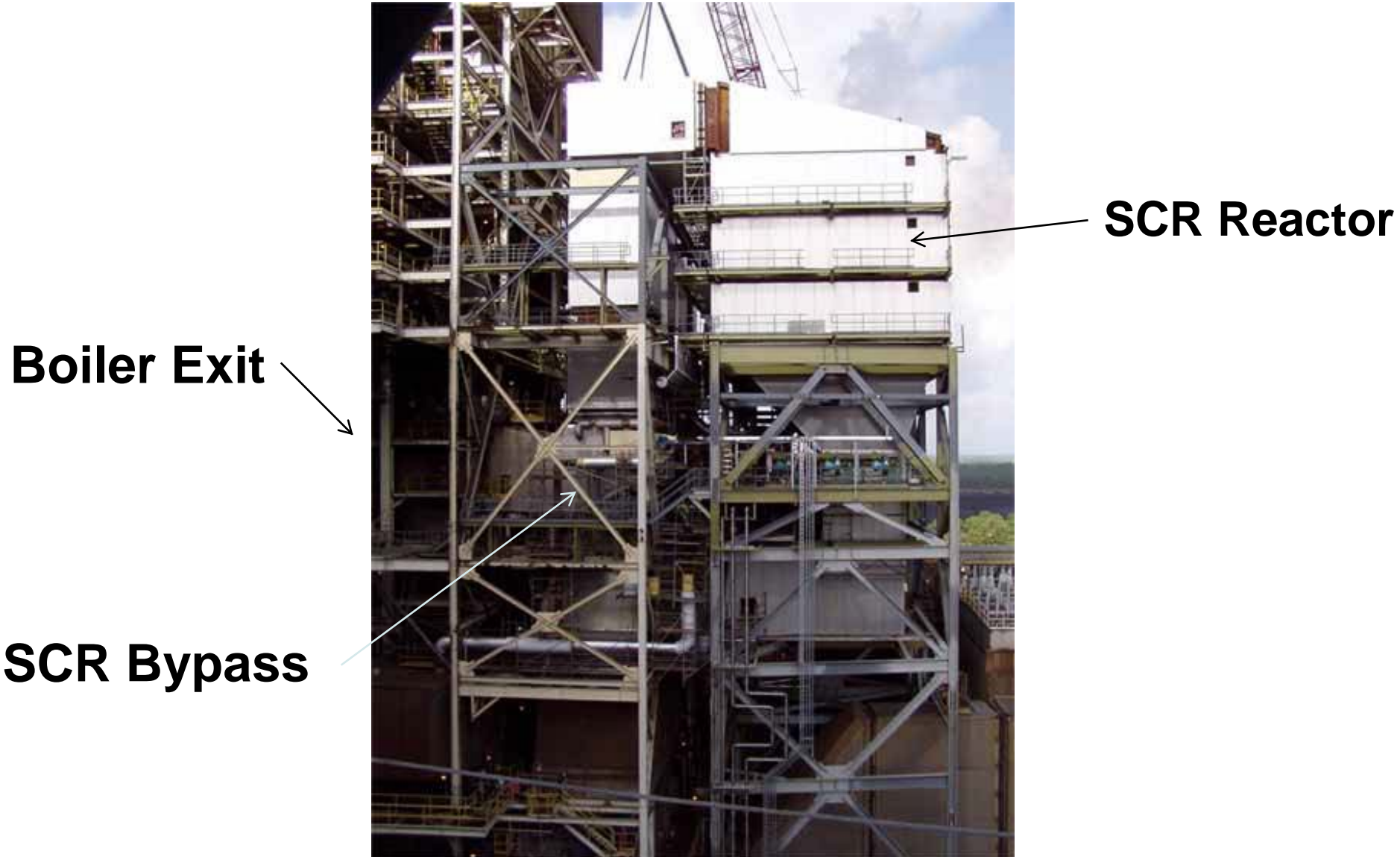
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Selective Catalytic Reduction was created for Coal Fired Units

...and it was Good.

It Could Reduce NOx 90% and More.

SCR Unit Under Construction



But...there were some Issues

- If the Ammonia Slip was too high, ABS could plug the APH
- The Catalyst formulation converted SO_2 to SO_3 which could add to a visible plume issue.
- Certain ash constituents will deactivate the catalyst

Catalyst formulation changed to address these issues and more.

- SO₂ conversion rate went down.
- Deactivation from poisons was reduced.
- The Co-Benefit of Mercury Oxidation was enhanced

**All of these Changes Impact the Management
of the NO_x Catalyst**