

REINHOLD ENVIRONMENTAL Ltd.



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

February 18 & 19, 2013, in Salt Lake City, UT / Hosted by PacifiCorp

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SCR Effects on Hg Control in Coal-Fired Boilers

Panel Discussion ~ Reinhold NOx Roundtable
February 17, 2013 ~ Salt Lake City, Utah



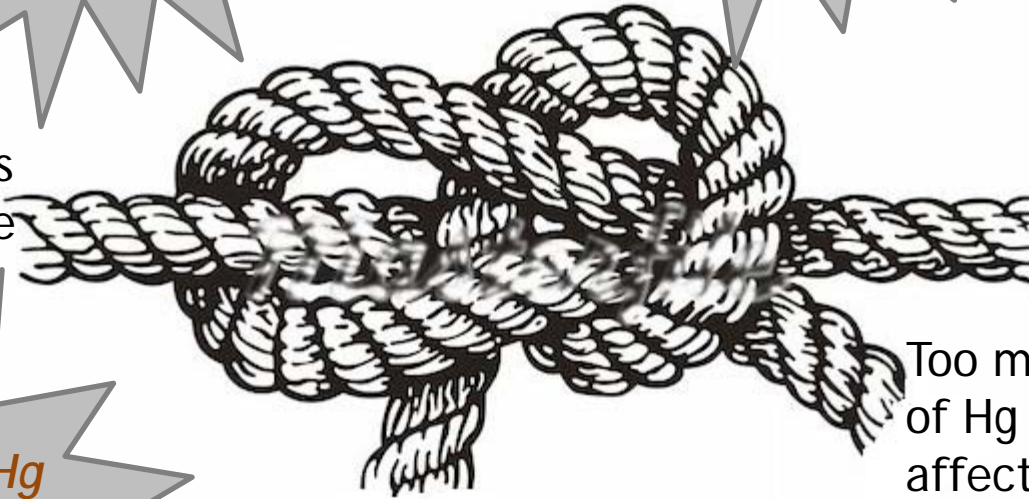
Hg and SCR: A Knotty Problem

Adding halogens

Low SO₂-oxidation catalyst

Reduce SO₃ with DSI

Hg oxidizes across SCRs - importance of halogens



SO₃ increases across SCRs

Too much SO₃ and capture of Hg by downstream PAC affected

Increasing Hg oxidation by the catalyst

More removal of oxidized Hg in downstream scrubber

SO₃-tolerant PAC

Panelists

- ▶ Chethan Acharya, Southern Company
- ▶ Scot Pritchard, Cormetech
- ▶ Tony Favale, Hitachi
- ▶ Mike O'Connor, Duke
- ▶ Mark Thomas, Mark Thomas & Associates Consulting
- ▶ Joe Wong, ADA-CS
- ▶ Rob Nebergall, Norit Americas

Moderator

- ▶ Connie Senior, ADA-ES, Inc.