

Archived: Thursday, May 31, 2012 3:59:40 PM
From: [Larry Baronowsky](#)
Sent: Friday, August 05, 2011 2:21:00 PM
To: [Duane Edward Braunecker](#); [Tom Shaw](#); [Mark Bertram](#)
Cc: [Bob Berry](#); [Eric M. Robeson](#)
Subject: RE: CSAPR NOx Compliance
Importance: Normal

==

It was part of the Shaw/FMC/UCC Multi-pollutant Technology demonstration. They change the NOx to NO2 by injecting the H2O2, then remove the NO2 by injecting Trona down stream. We signed up to be a test site through Cooperative Research Network (CRN) but could not agree on terms of their Letter of Intent.

From: Duane Edward Braunecker
Sent: Friday, August 05, 2011 2:04 PM
To: Tom Shaw; Mark Bertram
Cc: Bob Berry; Eric M. Robeson; Larry Baronowsky
Subject: FW: CSAPR NOx Compliance

FYI – I have not looked into this technology.

From: Sterling_Gray@URSCorp.com [mailto: Sterling_Gray@URSCorp.com]
Sent: Friday, August 05, 2011 1:59 PM
To: Duane Edward Braunecker; Steve Thomas Noland
Cc: Robert.Crynack@fmc.com
Subject: CSAPR NOx Compliance

Duane/Steve:

With the CSAPR requirements - looks like you'll need to make some net NOx reductions for Green/HEMPL/Coleman/Wilson combined. Our Peroxide technology could be easily applied at Green to achieve a 50% reduction. Could also be applied at Coleman - but would likely require that you convert scrubber to inhibited oxidation and landfill calcium sulfite sludge with dissolved NOx/nitrates. Capital costs of \$10-20/kw, operating of ~ \$3000/ton of NOx removed.

Any interest in learning more?

See attached announcement of our exclusive agreement with FMC to offer the technology - and a

technology brochure.

Sterling

~~~~~  
Sterling M. Gray, P.E.  
Technology Manager

URS Corporation  
9400 Amberglen Blvd  
Austin, TX 78729  
512.419.5653 (office)  
512.633.4975 (mobile)  
512.454.8807 (fax)  
sterling\_gray@urscorp.com

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.