

Archived: Thursday, May 31, 2012 4:00:18 PM
From: Mike Galbraith
Sent: Monday, October 17, 2011 8:30:19 AM
To: Mark Bertram; Bob Berry; Eric M. Robeson; Jim Garrett; Wayne O'Bryan; Ron Gregory
Cc: Tom Shaw; Chad Phillips
Subject: RE: Summary of Testing Data
Importance: Normal

Testing at Wilson for mercury demonstrated an emission rate much higher than we have found historically. Historical testing demonstrated an emission rate of 1.0 lb/TBtu, testing for Sargent & Lundy demonstrated an emission rate of

1.9 lb/TBtu. It was discovered that SCR operation had a period of ammonia slip higher than typical occurring through the period of testing. The presence of ammonia in flue gas is known to decrease mercury oxidation within the SCR. Oxidation of mercury by the SCR catalyst is necessary for mercury removal in the FGD. This may explain for the increased mercury emission rate from testing conducted for Sargent & Lundy. If found to be the case, it will certainly complicate the emissions compliance strategy.

Reduced load testing at Wilson was conducted September 28. I will forward the data when the test results are received.

Mike

From: Mark Bertram
Sent: Monday, October 10, 2011 9:51 AM
To: Bob Berry; Eric M. Robeson; Jim Garrett; Wayne O'Bryan; Ron Gregory
Cc: Tom Shaw; Mike Galbraith
Subject: Summary of Testing Data

Attached is a summary table prepared by Mike Galbraith that consolidates testing data from the Sargent & Lundy study, the EPA ICR, and in-house testing performed at Wilson. Note that HCl and HF test results from Wilson were corrected from the original summary reports sent from Air Tech. The correct results are contained within the report appendices.

I would like to thank Mike for pulling this together.

Please contact us should you have questions.

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