From: Linero, Alvaro
To: "Hlaing, D. Nay"
Cc: Worley, Jay A. - Director, Environmental Programs
Subject: RE: Instack NOx Ratio
Date: Thursday, July 25, 2013 10:43:34 AM

Thanks Nay.

I had checked out that site and found nothing on the coal units.

I'm also checking with TVA and a few operators in Florida.

Thanks for checking with CEMS experts.

The instruments directly measure the NO in the gas.

The sample then runs through a catalyst within the instrument which converts NO2 to NO and then NO is measured again.

The final NO measurement is called NOx.

The NOx when reported as mass is given as NO2 equivalent.

I can do without direct NO2 measurement if I just have initial NO and final NO.

From that I can infer the ratio I need.

I'll be happy to speak with one of your CEMS people directly if O.K. with you.

Thanks again.

Al.

A. A. Linero, P.E.
Florida Department of Environmental Protection
Office of Permitting and Compliance
850-717-9076

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Al:

Here is the link to the EPA database on NO2/NOx in-stack ratio data.
http://www.epa.gov/scram001/no2_isr_database.htm

I could not find any data yet, but have asked our CEMS folks to see if they can extract a small sample of raw data for our units at NGS and SJRPP. This week and possibly next week, they will be quite busy preparing the EDR reports, but will look into it after the reports are out. I will let you know what I find out.

Regards,

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