

DeVore, Christy

From: Waters, G. Dwain [GDWATERS@southernco.com]
Sent: Tuesday, February 23, 2010 10:41 AM
To: DeVore, Christy
Subject: RE: Crist RAI

I think this will answer your question. Page 2 of the RAI represents both (higher coal and turbine) and page 4 only represents the higher coal since your table requested was titled "projected actual emissions with HSC (3.35 lb/mmbtu). The "Business 2009 As Normal" case projects emissions with just higher sulfur coal is 165.6 tons of SAM. The future change case with higher sulfur coal plus the Cr 6 Turbine projects 167.6 tons. The table below is also located in the Turbine application as a worksheet. Hope this helps. If not, please call me since this is so confusing since we had two applications. Thanks, Dwain

Case	Baseline	Future 2009 Business Normal Case BC	Future High Change Case I CC	Emissions Change from Baseline to Future Base Case Business As Normal	Emissions Change to Future High Ch With HP Turbine
Pollutant	Crist Unit 6	Base Case 2013	with HP Turb 2013	TonsYr	TonsYr
SO2	11,937.3	4,633.5	4,788.0	-7,303.7	
NOx	2875.86	1,391.6	1,437.9	-1,484.3	
H2SO4 ***	38.8	59.0	61.0	20.2	
H2SO4 Cr4-7Cap	169.0	165.6	167.6	-3.4	
PM	116.3	47.8	49.4	-68.5	
CO *	211	232	240	20.8	
VOC*	25.0	27.4	28.3	2.5	
Heat Input**	21,145,062.7	23,227,353.0	24,001,541.0	2,082,290.3	

* AP-42 Emission Factors used for CO and VOC

** Heat Input Increase between Baseline and BC is attributed to Demand Growth

*** Emissions Change without any reduction for Demand Growth

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Sent: Tuesday, February 23, 2010 8:28 AM
To: Waters, G. Dwain
Subject: RE: Crist RAI

On page 2 of the RAI response in the table SAM Cr 4-7 Cap future projected is 167.6 tpy. On page 4 it is 165.62 tpy in the table. Which one is correct? Thanks.

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From: Waters, G. Dwain [mailto:GDWATERS@southernco.com]
Sent: Monday, February 22, 2010 5:26 PM
To: DeVore, Christy
Subject: RE: Crist RAI

For Cr 6 Turbine Baseline dates

SO2 Oct 06 - Sep 08
NOx Dec 05 - Nov 07
PM Jun 06 - May 08 (Heat input Jun06-May 08 * 5 yr avg PM test rate)
CO June 06 - May 08 (Heat input June06- May 08 * AP42 factor)
VOC June 06 - May 08 (Heat input June06-May 08 * Ap-42 factor)

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From: DeVore, Christy [mailto:Christy.DeVore@dep.state.fl.us]
Sent: Monday, February 22, 2010 2:45 PM
To: Waters, G. Dwain
Subject: Crist RAI

Where is the information showing the 2-year period used for the pollutants other than SAM? Jeff remembers you mentioning it and I'm looking for it. Thanks.

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