From: Linero, Alvaro
To: Hodge, Cadedra; Attalla, Yousry
Subject: (Archived w/ Attachments) RE: 0570261 Emissions & Annual Rates
Date: Friday, October 26, 2012 9:24:03 AM
Attachments: Book1.xlsx
image001.jpg

Joe:

I took the emission data that Cadedra sent and reorganized it.

Show her what we are trying to do based on my initial effort with total CO from the three units by year.

Also discuss unit 4 that I didn't see.

Cadedra: Eventually we will be putting the data from the highest two years from Units 1+2+3 into a table that looks like this.

Also one for Unit 4.

We'll probably use 2-year baseline instead of 24 months.

Table 6. Revised Baseline Actual Emissions, Projected Actual Emissions and 2011 Measured Emissions

Pollutant	24-Month Baseline Period Selected (month/year)	Baseline Actual Emissions (tons/year)	Applicant Projected Actual Emissions (tons/year) [1]	Projected Increase (tons/year) [2]	2011 Emissions (tons)	Increase (decrease) (tons/year) [4]
NO_X	11/2005 – 10/2007	1,651	1,690	39	1,413	(238)
CO	01/2006 – 12/2007	141	240	99	178	37
PM	11/2005 – 10/2007	18	42	24	25 [3]	7
PM_{10}	11/2005 – 10/2007	18	32	14	25 [3]	7
MWC metals	11/2005 – 10/2007	18	32	14	25 [3]	7
SO_2	01/2006 - 12/2007	142	181	39	159	17
HCl	11/2005 – 10/2007	77	77	0	29	(48)
MWC acid gases	11/2005 – 10/2007	217	256	39	166	(51)
MWC organics	01/2004 – 12/2005	$4.2x10^{-6}$	$6.7x10^{-6}$	$2.5x10^{-6}$	$2.1x10^{-6}$	($2.1x10^{-6}$)
Lead	11/2005 – 10/2007	0.04	0.63	0.59	0.05	0.01
Waste Processed	2006-2007	~892,000	Not projected	Not projected	~822,000	~(70,000)

1. Applicant did not calculate any projected future mission increases from the project or from demand-based utilization increases and simply a value marginally less than the respective SER to each PSD pollutant baseline actual emission estimate. The Department recalculated projected future emissions below.
2. Estimate of projected net emissions increases for comparison with respective SER.
3. Filterable Emissions only. Initial 2011 estimate was 53 tons based on biased PM testing conducted in 2011. Results were

corrected with Department approval for low temperature induced condensation on filters based on comparison of EPA Method 5 with EPA Method 29 conducted in 2012.

4. Increases measured during first year following date that units resumed normal operation. PSD not triggered in 2011.

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

Did you know that the Department may not require you to submit a Title V fee for the 2012 calendar year? To learn more, please visit us online at the following web address: www.title5feeholiday.com

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From: Linero, Alvaro
Sent: Friday, October 26, 2012 8:45 AM
To: Hodge, Cadedra; Attalla, Yousry
Cc: Green, Justin B.
Subject: RE: 0570261 Emissions & Annual Rates

Super!

I'll get back ASAP if we need to tweak this.

Justin: Cadedra is helping me out on important Hillsborough County RRF stuff so perhaps we won't have a day 90 situation related to the biosolids project Joe is working on.

Thanks.

Al.

A. A. Linero, P.E.
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From: Hodge, Cadedra
Sent: Friday, October 26, 2012 8:43 AM
To: Linero, Alvaro; Attalla, Yousry
Cc: Green, Justin B.
Subject: 0570261 Emissions & Annual Rates

Al,
As discussed yesterday afternoon, please see the attached reports. Please let me know if you need anything else.

Thanks,
Cadedra

Cadedra Hodge
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Florida Department of Environmental Protection
Division of Air Resource Management
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