LeDoux, Erica

From: MARK_EVANS@oxy.com
Sent: Thursday, September 19, 2013 2:12 PM
To: LeDoux, Erica
Cc: Chris_Krishna@oxy.com
Subject: Table from Completeness Comments

Eric,
Here is the table that is scrambled in the document we had previously sent you, it is scrambled on our copy as well. My apologies for the error. I will call you to discuss.
Mark

Furnace Efficiency Calculations - All numbers are per furnace at 100% load.

Expected heat liberation (LHV)	225	MMBtu/hr (LHV)
Process Fuel Gas (HHV/LHV) Ratio		1.152
Expected heat liberation (HHV)	259.2	MMBtu/hr (HHV)
Margin (6%)	274.8	MMBtu/hr (HHV)

Heat Absorbed by Process in Furnace (per Furnace)

Radiant Cracking	102.8	MMBtu/hr
Ethane Preheat	50.3	MMBtu/hr
Boiler Feedwater Preheater	24.9	MMBtu/hr
High Pressure Steam Superheater	32.7	MMBtu/hr
Total Heat Absorbed	210.7	MMBtu/hr
Efficiency (LHV Basis)	93.6%	
Efficiency (HHV Basis)	81.3%	

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