



April 29, 2010

103-87718

Mr. Jeff Koerner, P.E.  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399

RECEIVED  
MAY 02 2011  
BUREAU OF  
AIR REGULATION

**RE: UNITED STATES SUGAR CORPORATION  
CLEWISTON MILL (FACILITY NO. 0510003)  
CAPACITY REPORT AND EMISSIONS SUMMARY  
2010-2011 CROP SEASON**

Dear Mr. Koerner:

Please find enclosed two (2) copies of the Capacity Report and Emissions Summary for the Clewiston Mill. This report was required under Permit No. 0510003-022-AC, issued June 3, 2003. If you have any questions, please do not hesitate to call me at (352) 336-5600.

Sincerely,

**GOLDER ASSOCIATES INC.**

*David A. Buff*  
David A. Buff, P.E., Q.E.P.  
Principal Engineer

*Priscilla G. Tooley*  
Priscilla G. Tooley, E.I.  
Staff Engineer

cc: Keith Tingberg, USSC  
Bret Nesbitt, USSC  
Doug Neeley, EPA Region 4

Enclosures

PGT/tz



TABLE 1  
CAPACITY REPORT AND EMISSIONS SUMMARY FOR U.S. SUGAR CLEWISTON MILL, 2010-2011 CROP SEASON

Boiler	Test Date	Permitted 24-Hour Average Steam Production Rate (lb/hr)	Tested Steam Production Rate (lb/hr)	% of Permitted Capacity (%)	Tested Heat Input Rate (lbs/MMBtu)	Emission Test Results												
						PM		NO <sub>x</sub>		CO		Non-Methane VOC		SO <sub>2</sub>		Ammonia Slip		
					Emission Rate Units	Tested Emission Rate	Allowable Emissions <sup>a,f</sup>	Tested Emission Rate	Allowable Emissions <sup>f</sup>	Tested Emission Rate	Allowable Emissions <sup>f</sup>	Tested Emission Rate	Allowable Emissions <sup>a,f</sup>	Tested Emission Rate	Allowable Emissions <sup>a,f</sup>	Tested Emission Rate	Allowable Emissions <sup>f</sup>	
1	11/16/2010	185,000	186,231	73.0%	387	(lb/MMBtu) (lb/hr)	0.12 44.9	0.23 87.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2	11/18/2010	185,000	195,188	84.9%	406	(lb/MMBtu) (lb/hr)	0.10 43.7	0.23 92.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4	11/10/2010	271,604	270,456	99.6%	577	(lb/MMBtu) (lb/hr)	0.10 56.9	0.15 83.8	0.18 105.2	0.20 115.5	0.6 335.8	6.5 3,753.2	0.035 <sup>b</sup> 19.8 <sup>b</sup>	0.50 <sup>b</sup> 288.5 <sup>b</sup>	N/A N/A	0.06 <sup>c</sup> 34.6 <sup>c</sup>	N/A	
7	11/04/2010	350,000 <sup>g</sup>	369,498	105.6%	764	(lb/MMBtu) (lb/hr)	0.013 9.5	0.03 22.9	0.22 167.7	0.25 190.9	0.20 153.2	0.70 534.5	0.001 <sup>b</sup> 1.1 <sup>b</sup>	0.212 <sup>b</sup> 162.0 <sup>b</sup>	N/A N/A	0.17 N/A	N/A	
8	11/30/2010 - 12/02/2010	575,000	501,802	87.3%	921	(lb/MMBtu) (lb/hr)	0.009 8.3	0.025 23.0	N/A N/A	0.14 <sup>e</sup> 128.9	N/A N/A	400 <sup>d,e</sup> N/A	0.029 <sup>b</sup> 26.6 <sup>b</sup>	0.05 <sup>b</sup> 46.0	N/A N/A	0.06 55.3	11.1 <sup>d</sup>	20 <sup>d</sup>

<sup>a</sup> Allowable emissions based on burning combined bagasse and No. 2 fuel oil.

<sup>b</sup> Reported as propane.

<sup>c</sup> Only required during the federal fiscal year (October 1 to September 30) prior to renewal of the air operation permit.

<sup>d</sup> In units of ppmvd @ 7% oxygen.

<sup>e</sup> Based on CEMS data; 30-day rolling average.

<sup>f</sup> Based on Title V Permit No. 0510003-032-AV, 0510003-037-AC, and 0510003-039-AC.

<sup>g</sup> This capacity represents a 24-hour average capacity. The 1-hour average capacity limit is 385,000 lb/hr; therefore, the actual capacity is less than 100% of the 3-hour average capacity.