



February 8, 2012

113-87732

Mr. Jeff Koerner, P.E.
Florida Department of Environmental Protection
South District
2295 Victoria Avenue
Fort Myers, Florida 33901

RECEIVED
FEB 09 2012
DIVISION OF AIR
RESOURCE MANAGEMENT

RE: **UNITED STATES SUGAR CORPORATION
CLEWISTON MILL (FACILITY NO. 0510003)
CAPACITY REPORT AND EMISSIONS SUMMARY
2011-2012 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.

A handwritten signature in black ink that reads "David A. Buff".

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

A handwritten signature in black ink that reads "Philip D. Cobb".

Philip D. Cobb, Ph.D., P.E.
Senior Project Engineer

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

Enclosures

PC/nav/tz



TABLE 1
CAPACITY REPORT AND EMISSIONS SUMMARY FOR U.S. SUGAR CLEWISTON MILL, 2011-2012 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 (MMBtu/hr)	Emission Rate Units	Emission Test Results											
							PM		NO _x		CO		Non-Methane VOC		SO ₂		Ammonia Slip	
							Tested Emission Rate	Allowable Emissions ^{a,f}	Tested Emission Rate	Allowable Emissions ^f	Tested Emission Rate	Allowable Emissions ^f	Tested Emission Rate	Allowable Emissions ^{a,f}	Tested Emission Rate	Allowable Emissions ^{a,f}	Tested Emission Rate	Allowable Emissions ^f
1	11/08/2011	185,000	178,908	96.7%	371	(lb/MMBtu) (lb/hr)	0.16 60.2	0.23 87.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
2	11/10/2011	185,000	185,919	100.5%	386	(lb/MMBtu) (lb/hr)	0.12 46.3	0.23 92.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
4	11/17/2011	271,604	254,644	93.8%	546	(lb/MMBtu) (lb/hr)	0.07 38.7	0.15 83.8	0.13 70.4	0.20 109.3	0.106 58.3	6.5 3,551.2	0.001 ^b 0.37 ^b	0.50 ^b 288.5 ^b	N/A N/A	0.06 ^c 34.6 ^c	N/A	
7	11/15/2011	350,000 ^g	362,312	103.5%	758	(lb/MMBtu) (lb/hr)	0.029 22.2	0.03 22.7	0.21 160.8	0.25 189.4	0.57 435.9	0.70 530.3	0.046 ^b 34.8 ^b	0.212 ^b 162.0 ^b	N/A N/A	0.17 N/A	N/A	
8	11/30/2011 - 12/01/2011	575,000	492,150	85.6%	903	(lb/MMBtu) (lb/hr)	0.002 2.3	0.03 23.0	N/A N/A	0.14 ^e 126.5	N/A N/A	400 ^{d,e} N/A	0.037 ^b 33.0 ^b	0.05 ^b 45.2	N/A N/A	0.06 54.2	17.9 ^d	20 ^d

^a Allowable emissions based on burning combined bagasse and No. 2 fuel oil.

^b Reported as propane.

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

^d In units of ppmvd @ 7% oxygen.

^e Based on CEMS data; 30-day rolling average.

^f Based on Title V Permit No. 0510003-032-AV, 0510003-037-AC, and 0510003-039-AC.

^g 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 1-hour average capacity.