

Golder Associates Inc.

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March 17, 2009

0738-7595

Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RECEIVED

MAR 25 2009

BUREAU OF AIR REGULATION

Attention: Mr. Jeff Koerner, Professional Engineer Administrator

**RE: UNITED STATES SUGAR CORPORATION
CLEWISTON MILL (FACILITY NO. 0510003)
CAPACITY REPORT AND EMISSIONS SUMMARY
2008-2009 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 cursive script that reads 'David A. Buff'.

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

A handwritten signature in cursive script that reads 'Priscilla Greener'.

Priscilla Greener, E.I.
Engineer

DB/tz

Enclosures

cc: Ajaya Satyal, FDEP South District
Keith Tingberg, USSC

L031709_595

TABLE 1
CAPACITY REPORT AND EMISSIONS SUMMARY FOR U.S. SUGAR CLEWISTON MILL, 2008-2009 CROP SEASON

Boiler	Test Date	Permitted 24-Hour Steam Production Rate (lbs/hr)	Tested Steam Production Rate (lbs/hr)	% of Permitted Capacity	Tested Heat Input Rate (lbs/MMBtu)	Emission Rate Units	Emission Test Results											
							PM		NO _x		CO		Non-Methane VOC		SO ₂		Ammonia Slip	
							Tested Emission Rate	Allowable Emissions ^{b,j}	Tested Emission Rate	Allowable Emissions ⁱ	Tested Emission Rate	Allowable Emissions ⁱ	Tested Emission Rate	Allowable Emissions ^{b,j}	Tested Emission Rate	Allowable Emissions ^{b,j}	Tested Emission Rate	Allowable Emissions ⁱ
1	11/19/2008	255,000 ^a	176,498	69.2%	359	(lbs/MMBTU) (lbs/hr)	0.13 47.3	0.22 80.3	N/A		N/A		N/A		N/A		N/A	
2	11/21/2008	230,000 ^a	165,330	71.9%	343	(lbs/MMBTU) (lbs/hr)	0.13 42.6	0.22 76.6	N/A		N/A		N/A		N/A		N/A	
4	12/08/2008	285,000	266,384	93.5%	554	(lbs/MMBTU) (lbs/hr)	0.10 56.2	0.14 79.1	0.13 70.7	0.20 110.8	1.2 681.8	6.5 3,602.5	0.063 ^c 35.1 ^c	0.50 ^c 277.1 ^c	N/A N/A	0.06 ^e 33.3 ^e		N/A
7	12/04/2008	350,000 ^j	358,192	102.3%	703	(lbs/MMBTU) (lbs/hr)	0.014 9.8	0.03 22.0	0.21 144.1	0.25 175.8	0.17 122.5	0.70 492.3	0.00028 ^d 0.20 ^d	0.212 ^d 149.1 ^d	N/A N/A	0.17 N/A		N/A
8	12/11/2008	575,000	545,630	94.9%	1,011	(lbs/MMBTU) (lbs/hr)	0.006 5.8	0.025 25.3	N/A N/A	0.14 ^g 141.5	N/A N/A	400 ^g N/A	N/A N/A	0.05 ^e 50.5	N/A N/A	0.06 60.6	N/A	20 ^f
	01/30/2009	575,000	522,181	90.8%	962	(lbs/MMBTU) (lbs/hr)	N/A N/A	0.025 24.1	N/A N/A	0.14 ^g 134.7	N/A N/A	400 ^g N/A	0.041 38.2	0.05 ^e 46.8 ^e	0.028 26.9	0.06 56.2	4.4	20 ^f

^a Maximum 1-hour permitted steam rate. Boiler does not have permitted 24-hour steam rate.

^b Allowable emissions based on burning combined bagasse and No. 6 fuel oil.

^c Reported as propane.

^d Reported as carbon.

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

^f In units of ppmvd @ 7% oxygen.

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

^h Based on an average of the CEMS data during the three runs.

ⁱ Based on Title V Permit No. 0510003-017-AV, 0510003-037-AC, and 0510003-039-AC.

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