

Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

December 5, 2003

CERTIFIED MAIL

Mr. William A. Raiola, V.P. of Sugar Processing Operations
United States Sugar Corporation, Clewiston Sugar Mill and Refinery
111 Ponce DeLeon Avenue
Clewiston, FL 33440

Re: Unites States Sugar Corporation, Clewiston Sugar Mill and Refinery
Boilers 1 and 2 – Replacement of Forced Draft Fans
Air Permit No. 0510003-022-AC

Dear Mr. Raiola:

On December 4, 2003, the Department received a letter from Golder Associates Inc. requesting approval for the replacement of forced draft fans (80,000 cfm, each) for Boilers 1 and 2 and the replacement of the over-fire air fan (20,250 cfm) for Boiler 2. The request included the equipment specifications and approximate costs. The replacements will be with like-kind components that will not increase the original capacities of the boilers.

In June of this year, the Department issued Permit No. 0510003-022-AC to perform maintenance activities on these units, including the replacement of the over-fire air fan for Boiler 2. Although not specifically proposed in the original project, the Department agrees that replacement of forced draft fans for Boiler 1 and 2 is within the scope of work authorized by Air Permit No. 0510003-022-AC. Therefore, the Department does not believe it is necessary to modify the permit to perform this work. As specified by this permit, please identify these replacements in the required summary reports. If you have any questions regarding this matter, please contact Jeff Koerner at 850/921-9536.

Sincerely,

Trina Vielhauer, Chief
Bureau of Air Regulation

cc: Mr. Don Griffin, U.S. Sugar Corp.
Mr. Peter Briggs, U.S. Sugar Corp.
Mr. David Buff, Golder Associates Inc.
Mr. Ron Blackburn, SD Office

"More Protection, Less Process"

Printed on recycled paper.

Golder Associates Inc.

6241 NW 23rd Street, Suite 500
Gainesville, FL 32653-1500
Telephone (352) 336-5600
Fax (352) 336-6603

December 2, 2003



DEC 04 2003

0037653

Florida Department of Environmental Protection
Department of Air Resources Management
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

BUREAU OF AIR REGULATION

Attention: Mr. A. A. Linero, P. E., New Source Review Section

SUBJECT: UNITED STATES SUGAR CORPORATION, CLEWISTON MILL
BOILER NOS. 1 AND 2 REPAIRS DURING 2003 OFF-SEASON

Dear Mr. Linero:

United States Sugar Corporation (USSC) was issued air construction permit No. 0510003-022-AC for its Clewiston Sugar Mill and Refinery on June 3, 2003. This permit authorized USSC to repair and replace components of the existing boilers at the Clewiston Mill. The permit also describes the specific repairs and replacements that are authorized for each boiler.

USSC is currently planning an additional repair/replacement activity that is not specifically described in permit No. 0510003-022-AC. USSC is planning to replace the existing forced-draft (FD) fans on Boiler Nos. 1 and 2. The existing FD fans are rated at 80,600 cfm (see attached specification sheet). The replacement fans, to be provided by H. Clay Moore & Associates, will also be rated at 80,600 cfm (also see attached specification sheets for new fans).

USSC is also planning to replace the existing overfire air fan on Boiler No. 2. The new fan will also be a like-kind replacement. The specification sheet for the new fan is attached. As shown, the new fan will be rated for 20,250 cfm.

The purpose of this letter is to apply for approval of these like-kind replacements at the Clewiston Mill under construction permit No. 0510003-022-AC. These replacements are planned to be conducted during the 2003 off-season.

Attached is the Professional Engineer signature page to support this request. Please call me at (352)336-5600 if you have any questions or comments, or need additional information. Thank you for your consideration of this matter.

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

DB/nav

Attachments

cc: Don Griffin
Peter Briggs
Bubba Wade

X:\2000 0037-0037653 US Sugar 4-4.1\120203\1.120203.doc

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain a Title V source air operation permit (check here []), if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here []), if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

David A. Biff
Signature

12/02/03
Date

(seal)

* Attach any exception to certification statement.

RECEIVED

DEC 04 2003

BUREAU OF AIR REGULATION

ATTACHMENT A

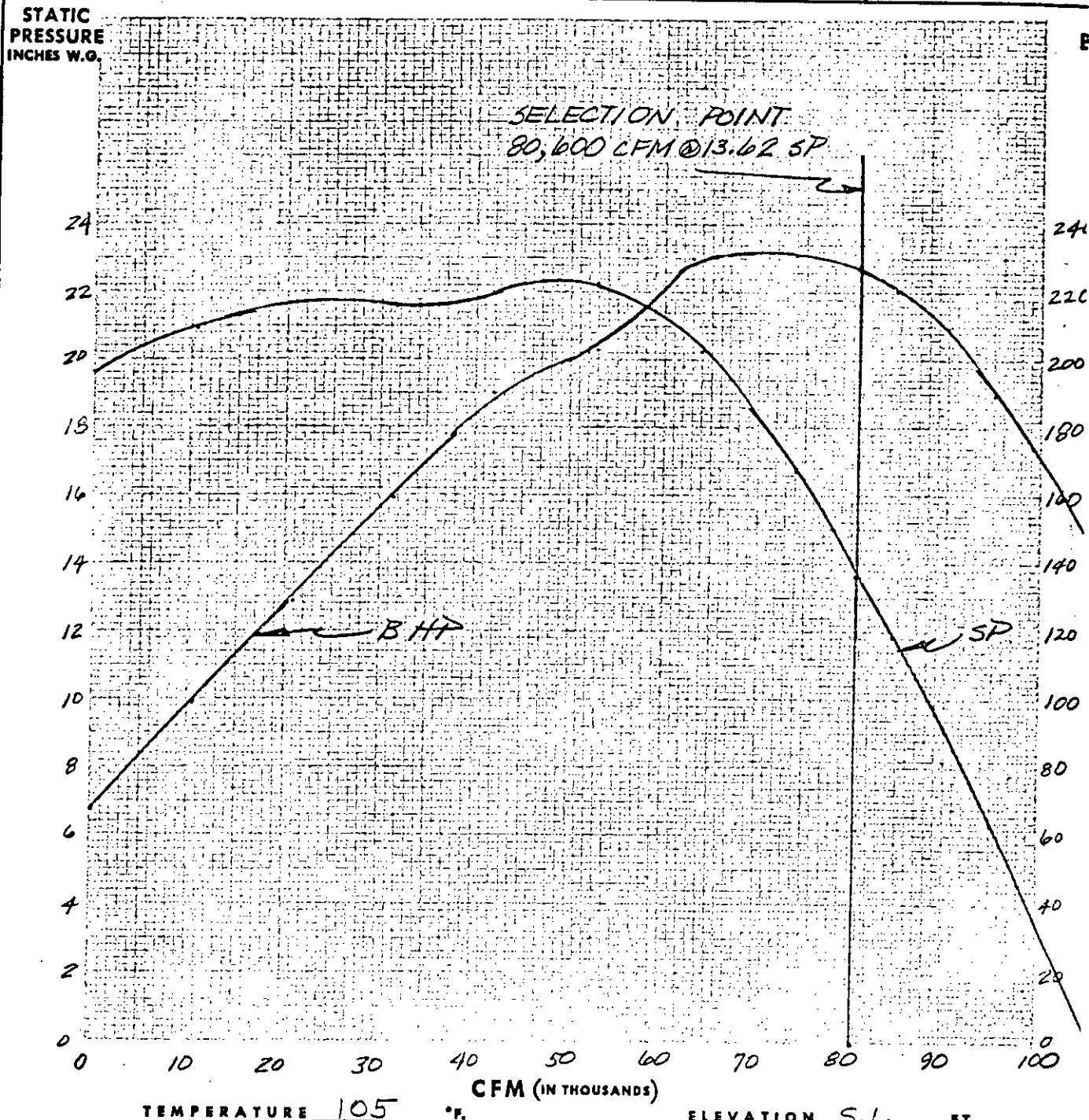
**SPECIFICATIONS FOR EXISTING FD FANS
ON BOILER NOS. 1 AND 2**



**PERFORMAN
 DATA**

PREPARED FOR U.S. SUGAR CORPORATION E. D. FAN
 JOB 1968 BOILER ADDITION - CLEWISTON Boilers 182
 EQUIPMENT #445 AE 2062 ED FAN
 PURCHASER'S ORDER 73861 OUR ORDER 3-80460 RD TAD No. ED3-624-T13
 MEMO No. 137-67 OFFICE MIAMI DATE 6/6/68 BY WGH

UNLESS OTHERWISE INDICATED, CURVES ARE BASED ON CONSTANT SPEED 1760 RPM



PRINTED IN U.S.A.

This Data sheet is the property of American-Standard Industrial Division—is loaned with the distinct understanding that it is not to be used for any purpose detrimental to the interest of said Division and is subject to return upon demand. Data based on tests made in accordance with Air Moving and Conditioning Association's Code. All Engineering calculations subject to checking and approval by Home Office, American-Standard Industrial Division, Detroit 32, Michigan.

FORM 800

ATTACHMENT B
SPECIFICATIONS FOR NEW FD FANS
ON BOILER NOS. 1 AND 2

James A. Woods
C. Richard Hach

H. CLAY MOORE & ASSOCIATES INC.

Marc G. Deane
Samuel S. Harman
J. Floyd Harris
C. Clay Milner
Krista D. Paseur
Dirk W. Servine
Ray E. Woods

Equipment for Power & Industry
8215 Roswell Road Bldg 700 / Atlanta, GA 30350
Phone (770) 393-8336 / Fax (770) 393-2733
E-mail: rsexton@hclaymoore.com

Robert W. Sexton

Date: October 20, 2003

To: Bret Nesbitt
U.S. Sugar
P.O. Drawer 1207
Clewiston, FL 33440
Fax (863) 902-2730

SUBJECT: American Standard Fan Replacement

*Replaces boiler 1 & 2
FD fan*

Dear Mr. Nesbitt:

We are pleased to quote the following replacement fan which exactly duplicates the performance of your existing Forced Draft fan. The price includes bolt-on Radial Inlet dampers which are designed for superb control and low maintenance because there is no center hub to disturb the vortex pattern and the bearings, control ring, and linkage are all outside the gas stream.

Size 805 Type L-39 Fan

Scope is per the attached and includes a shop run test and balance.

Price: \$37,025 net

We can supply a set of 1/4" thick **AR400 Full Blade Liners** with this fan for an additional \$2,632 net. We can also supply a **250 HP 1800 RPM Motor** for an additional \$15,037 net. Prices are quoted f.o.b. our factory, freight collect, and are firm for acceptance within thirty (30) days from the date of our proposal. Terms of payment are net thirty (30) days and we exclude any sales/use taxes. Howden Buffalo standard terms and conditions apply. Approval drawings will be available 4 weeks after receipt of your hard copy purchase order to **Howden Buffalo Inc** % H. Clay Moore & Associates at the above Atlanta address. Shipment will occur approximately 15 weeks after release for fabrication.

Regards,
Howden Buffalo Inc

Robert W. Sexton
Project Manager

Howden Buffalo
 Custom Fan
 Submittal Data Sheet

H. CLAY MOORE and ASSOC.
 Equipment for Power and Industry
 8215 Roswell Rd 700
 Atlanta, GA 30350

To: U.S. Sugar Date 20-Oct-03
 P.O. Drawer 1207 Quote #
 Clewiston, FL 33440 Job Name
 Inquiry #

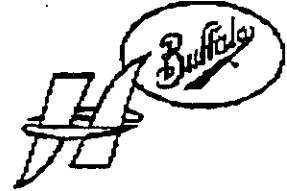
Attn: Bret Nesbitt

Number of Fans	1	Design Temperature	105°F
Service	Forced Draft	Shaft Diam in Wheel	7.7500" (A578 Gr 1045)
Size and Type	805 L-39	Housing Thickness	0.1875" (A36)
Blade Type	Solid Airfoil (A588 Gr A)	Box Thickness	
Wheel Diameter	38.50"	Bearing Size/Type	3.1875" Fafnir SAOL
SW or DW	DWDI	WR2 (#FT2)	1,255
Arrangement	7	Tip Speed (FPM)	17,991
Drive	Direct Coupled	Evasse to (Sq Ft)	

Included in Price	
1) Falk 1090T10 Coupling	
2) Coupling Guard	
3) ACD Radial Vane Inlet Damper	
4) Arrangement 7 Unitary Base	
5)	
6)	
7)	
8)	
9)	
10)	
11)	
12)	
13)	
14)	
15)	
16)	
17)	
18)	
19)	
20)	
21)	
22)	
23)	
24)	
25)	
26)	

Volume (CFM)	80,600 (54,000)	SP (inwg)	13.62" (6.15")
Temperature (°F)	105°	Density (lb/ft3)	0.0702
Speed (RPM)	1,785 (1,185)	BHP	238.7 (72.4)
SE (%)	71.3% (71.6%)	OV (fpm)	6,861 (4,597)

HOWDEN BUFFALO INC BUFFALO DIVISION

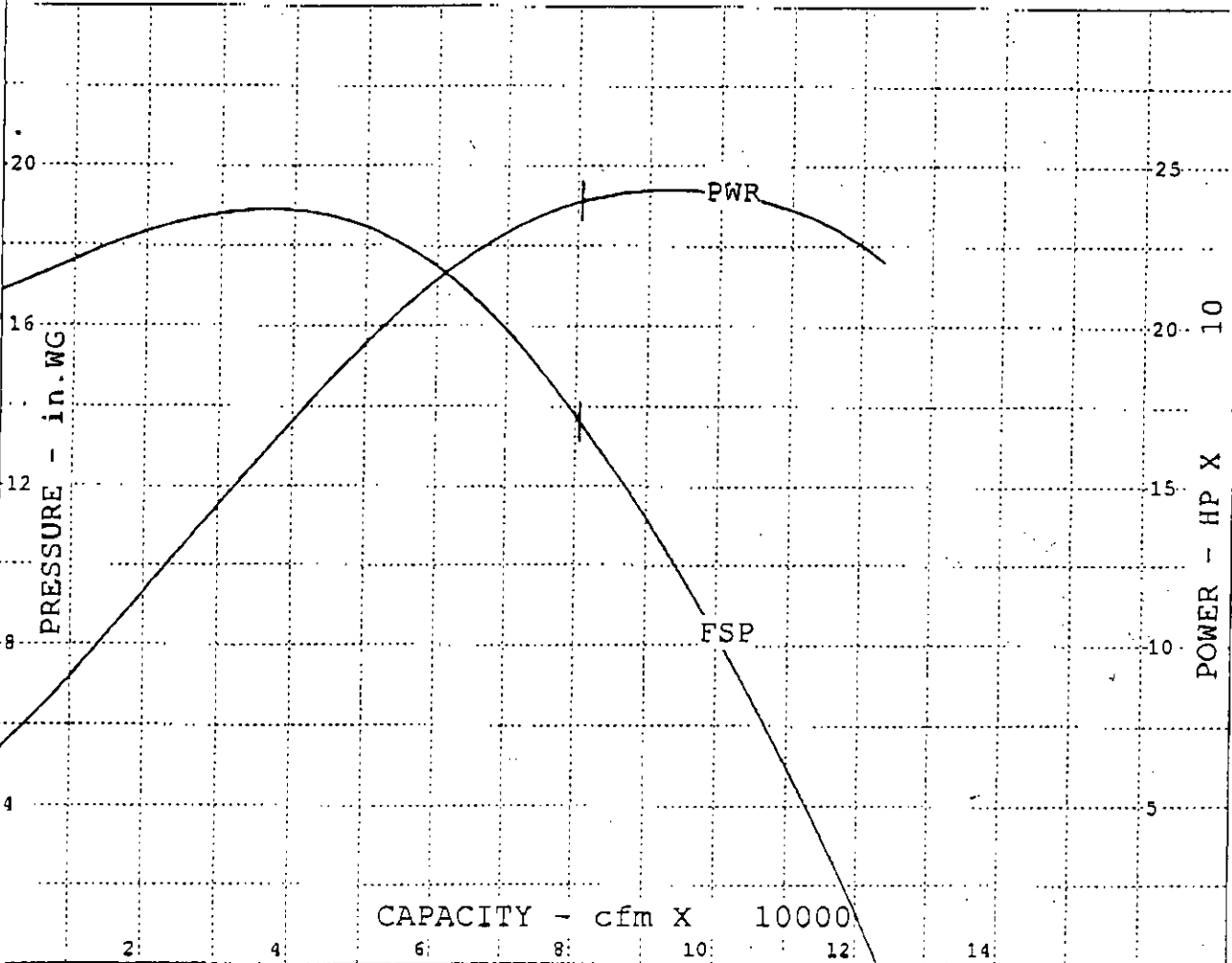


PERFORMANCE CURVE

No:

10/3/2003

Buyer: U. S. Sugar
User: U.S. Sugar
Marks: FD Fan



FAN: ES No. 73015 Size 805 Type L-39 DWDI Diameter 38.50 VIV

Curve Name	Flow cfm	Press in.WG	Power HP	Dens lbs/ft ³	Speed RPM	Temp deg.F	VIV Closed %	Acc. Loss in.WG	Eff %
	80600	13.62	238.74	0.0702	1795	105.00	0.00	0.00	71.37

ATTACHMENT C
SPECIFICATIONS FOR NEW OVERFIRE AIR FAN
ON BOILER NO. 2



Twin City Fan & Blower

A Twin City Fan Company

5959 Trenton Lane · Minneapolis, MN 55442-3238
Phone (763) 551-7600 · Fax (763) 551-7601 · www.tcf.com



United States Sugar Corp.
1731 South W.C. Owen Avenue
Clewiston, FL 33440

October 15, 2003
Page: 1

Job name: US SUGAR CORP.
Job ID: US SUGAR OFA FAN



Derek Embody & Company
Manufacturers' Representative

3820 Northdale Blvd., Suite 307A
Tampa, Florida 33624-1869
Ph. (813) 960-2270
Fax (813) 960-2298
e-mail: dsembody@aol.com

Dear Mr. Bret Nesbitt:

Replace boiler 2
OF Fans

Tag: Overfire Air Fan
Model: 929 RBW - Industrial Radial Backplate Wool Wheel Fan
Arrangement: 8 Class: 32
Performance: 20,250 CFM, 21 SP (in.wg), 0.036 (lb/ft³) Density
1772 RPM, 108.60 Oper. BHP, N/A Std. BHP
Quantity: 1

Accessories Included:

- Access Door - Bolted
- Drain - 3/4"
- Flange - Inlet, Punched
- Flange - Outlet, Punched
- Guard - Shaft & Bearing
- Damper - Outlet, Type II (Airfoil) Opposed Blade (301-600F)
- Split Housing - Pie Shaped
- High Temp Construction (301-500F)
- Shaft Seal - Std Type
- Special Width Construction
- Shaft Cooler
- Special Diameter
- Coupling 1090T
 Shaft Diameter: 3.44
- Guard - Coupling
- Mount Coupling - Both Halves
- 200 HP, 1800 RPM, 460V, 3Ph, 60Hz, CHEM, Std.Eff., 447T
- Mount TCF Motor

** Revision # 1 to include
BALDOR or US ELECTRIC 200 HP,
1800 RPM, 3/60/460v, MILL &
CHEMICAL Duty motor factory
supplied & mounted by TWIN CITY.

Selling Price Each: 23,497.00
Estimated Shipping Weight: 6,275 lb. Each

Total for all fans:
Extended Selling price FOB Factory (NOT including shipping charges): 23,497.00
Shipping and handling charges are Collect
Extended Estimated Shipping Weight: 6,275 lb.

1. Fan and accessories are as shown in the attached TCF print BC 142740 Rev. A, Item 1 as previously supplied in 1999. Previous motor was 200 HP, 445T frame furnished and mounted by US SUGAR.
2. Lead time is 6-7 WEEKS after receipt of your Purchase Order and release for fabrication.
3. Freight terms are COLLECT to US SUGAR or as requested. Any Purchase Order resulting from this proposal should be made out to DEREK EMBODY & COMPANY, 3820 Northdale Blvd., Suite 307A, Tampa, FL 33624-1869. US SUGAR Vendor # 00030277.



Twin City Fan & Blower

A Twin City Fan Company

5959 Trenton Lane · Minneapolis, MN 55442-3238
Phone (763) 551-7600 · Fax (763) 551-7601 · www.tcf.com



United States Sugar Corp.
1731 South W.C. Owen Avenue
Clewiston, FL 33440

October 15, 2003

Page: 2

Job name: US SUGAR CORP.
Job ID: US SUGAR OFA FAN

4. OPTIONAL DEDUCT for 150 HP motor instead of 200 HP motor = -\$ 1,565.00 (445T FRAME)

Derek S. Embody
Derek Embody & Company



Derek Embody & Company
Manufacturers' Representative

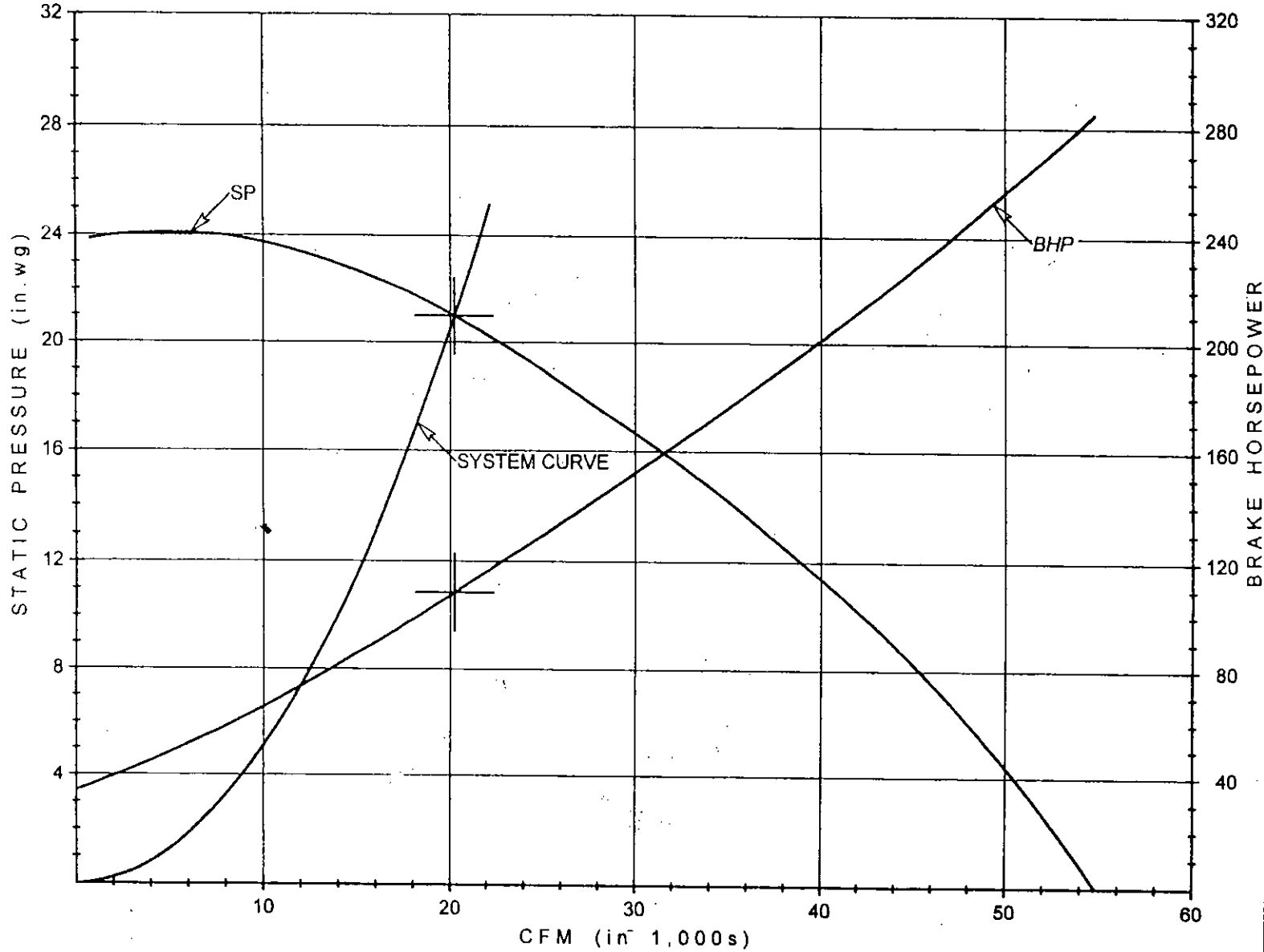
3820 Northdale Blvd., Suite 307A
Tampa, Florida 33624-1869
Ph. (813) 960-2270
Fax (813) 960-2298
e-mail: dsembody@aol.com



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Customer: US SUGAR CORP.	Fan Tag: Overfire Air Fan	CFM: <u> </u> 20,250
Job ID:	Model: 929 RBW	SP: <u> </u> 21 in.wg
Represented By: Derek Embody & Company (813) 960-2270		RPM: <u> </u> 1772

TWIN CITY FAN AND BLOWER PERFORMANCE CURVE



BHP: <u> </u> 108.60
Outlet Velocity: <u> </u> .8,619
Density: <u> </u> 0.036

Corrected for:
Mild steel wheel
Compressibility
% width: 60%
% diameter: 104%

Inlet Sound Power	
Octave	Level
1	125
2	128
3	123
4	113
5	106
6	100
7	94
8	88

in db re 10⁻¹² watts

9/29/03 12:35 - #44

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. William A. Raiola
 Vice President, Sugar Processing Operations
 United States Sugar Corporation - Clewiston Sugar Mill
 111 Ponce DeLeon Avenue
 Clewiston, FL 33440

2. Article Number (Copy from service label)

7000 2870 0000 7028 3574

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

Lfonde Hammond 12-15-03

C. Signature

Lfonde Hammond

Agent

Addressee

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below: No

3. Service Type

Certified Mail Express Mail

Registered Return Receipt for Merchandise

Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

7000 2870 0000 7028 3574



Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To
 William A. Raiola
 Street, Apt. No.; or PO Box No.
 111 Ponce DeLeon Ave.
 City, State, ZIP+4
 Clewiston, FL 33440

PS Form 3800, May 2000

See Reverse for Instructions