

PURCHASE
ORDER



CERTAIN-TEED PRODUCTS CORPORATION

Pipe & Plastics Group
Main & Randolph Streets
Ambler, Pa. 19002

REQUISITION
DEPT. COPY

Exhibit 43

DATE May 20, 1978

Wheelabrator-Frye Inc.
390 Road Ed.
Brookwall, Pa. 19008

RENDER INVOICE IN DUPLICATE TO US AT:
BILL OF LADING MUST ACCOMPANY INVOICE. SHOW TERMS, CAR NO.
F. O. B. POINT AND WHETHER SHIPPED PREPAID OR COLLECT.

Main & Randolph Streets
Ambler, Pa. 19002

PURCHASE ORDER NUMBER

AM 4427

THIS NUMBER MUST APPEAR ON YOUR INVOICE,
PACKING SLIPS, SHIPPING DOCUMENTS, PACK-
AGES AND CORRESPONDENCE.

SHIPPING INSTRUCTIONS

SHIP TO US AT Plt. 58, S. Main St.
Ambler, Pa. 19002

VIA
ROUTE Rail
F.O.B. S.P.

TERMS

Net

ACCOUNT CODE

5/5800-09010000-1600 (D. McCree)

PLEASE ENTER OUR ORDER FOR MATERIAL OR
SERVICES SHOWN BELOW SUBJECT TO ALL
TERMS, CONDITIONS, AND INSTRUCTIONS CON-
TAINED HEREIN AND ON THE REVERSE HEREOF.

ITEM	QUANTITY	DESCRIPTION	PRICE	DO NOT TYPE IN THIS SPACE
1		15,000 CFM Dust Collector size 1244-126 with 7,392 Sq. Ft. of Cloth Area. Collector to be complete per your quote of April 25, 1978 and our specification L-111 dated 5/19/78	31,585.00	
		Para 3.0 Special Paint	185.00	
		Para 2.0 Oversize conv. Trough	1,470.00	
		Total	33,240.00	
		Delivery 8/8/78		
		Penna. Sales Tax Exempt Confirming call from our Mr. McCree and your Mr. H. G. Pretti		

CERTAIN-TEED PRODUCTS CORPORATION

[Signature]
PURCHASING AGENT

PLAINTIFF'S EXHIBIT

CT-748

CTD006696

20-A

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Cement Silo (outside) DWA 203
Operation Exhausted _____

Dust Collector

Mfg. W.S. / Mfg. Co. Serial # SLY ORDER # H4360A
Model # 22 P.O. # A79117-8 Date 1954
Type Shaker bag Bag dia. _____ inches x length _____ inches
Total bag area 484 sq. ft. Total number of bags 22
Filter Medium cotton sateen Air to cloth ratio _____
Dimensions (approx. overall) 4' width x 6'-6" length x 3'-0" height
Reverse air blower of shaker
Mfg. _____ Model # _____
Motor _____ H.P. _____
Rotary Valve — Size _____ inches Mfg. _____
Motor _____ H.P. _____

Exhauster

Mfg. Clavage C.I. Serial # _____ rpm _____
Model # 8 motor 2 H.P. 3/60/440/220 rpm 1735
arrg #3 rated amps _____

Cyclone

Type _____ dimensions _____
Rotary Valve — size _____ inches Mfg. _____
Motor _____ H.P. _____

TEST DATA	DATE OF TEST					
Test Duct dia. inches						
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments: property book page 751

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Silica Silo (outside) EWA 203
 Operation Exhausted _____

Dust Collector

Mfg. W.W. Sly Mfg. Co. Serial # Sly Order # H5204A
 Model # 22 P.O. # 3285 Date 1957
 Type Shaker bag Bag dia. _____ inches x length _____ inches
 Total bag area 484 sq. ft. Total number of bags 22
 Filter Medium cotton sateen Air to cloth ratio _____
 Dimensions (approx. overall) 4' width x 6'-6" length x 5'-6" height
 Reverse air blower of shaker Model # _____
 Motor _____ H.P. _____
 Rotary Valve — Size _____ inches Mfg. _____
 Motor _____ H.P. _____

Exhauster

Mfg. Charge C.I. Serial # _____ rpm _____
 Model # 8 motor 2 H.P. 3/60/440/220 rpm 1755
arrg. #3 rated amps _____

Cyclone

Type _____ dimensions _____
 Rotary Valve — size _____ inches Mfg. _____
 Motor _____ H.P. _____

TEST DATA	DATE OF TEST					
Test Duct dia. inches						
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments: property book page 75a

58-C

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Silica Silo (inside) EWA 109
 Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117481
 Model # G-70 AC P.O. # AM-3597 Date 7-29-64
 Type Shaker bag - loop top Bag dia. 5 inches x length 70 inches
 Total bag area 547 sq. ft. Total number of bags 72
 Filter Medium Cotton 53TCU Air to cloth ratio 1.23:1
 Dimensions (approx. overall) 4' width x 6' length x 2' height
 Reverse air blower or (shaker)
 Mfg. _____ Model # Intermittent w/program timer
 Motor 1/2 H.P. 1800 rpm 3/40/440/220
 Rotary Valve — Size _____ inches Mfg. _____
 Motor _____ H.P. _____

Exhauster 1047 cfm @ 4" sp, 70°F, 1.22 bhp

Mfg. Clavage Fan Co. Serial # _____ rpm 2815
 Model # C58 motor 1 1/2 H.P. 3/40/440/220 rpm 1800
 rated amps _____

Cyclone

Type _____ dimensions _____
 Rotary Valve — size _____ inches Mfg. _____
 Motor _____ H.P. _____

TEST DATA	DATE OF TEST					
Test Duct dia. inches						
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments:

58-D

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Cement Silo (inside) EWA 109
 Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117480
 Model # G-70 AC P.O. # AM-3597 Date 7-29-62
 Type shaker bag - loop top Bag dia. 5 inches x length 72 inches
 Total bag area 547 sq. ft. Total number of bags 72
 Filter Medium Cotton SATCEN Air to cloth ratio 1.83:1
 Dimensions (approx. overall) 4' width x 6' length x 9' height
 Reverse air blower or shaker
 Mfg. _____ Model # Intermittent w/pressure timer
 Motor 1/2 H.P. 180 rpm 3/60/440/220
 Rotary Valve _____ Size _____ inches Mfg. _____
 Motor _____ H.P. _____

Exhauster 1047 cfm @ 4" sp, 70°F, 1.22 bhp

Mfg. Clarence Fan Co. Serial # _____ rpm 2215
 Model # CT 8 motor 1/2 H.P. 2/60/440/220 rpm 1500
 rated amps _____

Cyclone

Type _____ dimensions _____
 Rotary Valve _____ size _____ inches Mfg. _____
 Motor _____ H.P. _____

TEST DATA	DATE OF TEST					
Test Duct dia. inches						
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments:

- 58-E

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Fines Bm EWA 109
 Operation Exhausted Vent fan airveyor system located in mixing area.

Dust Collector

Mfg. Wheelabrator Serial # A-117482
 Model # GR-84A P.O. # AM-3599 Date 7-29-64
 Type Shaker bag - loop top Bag dia. 8 inches x length 82 inches
 Total bag area 672 sq. ft. Total number of bags 48
 Filter Medium Cotton Sateen Air to cloth ratio 2.91:1
 Dimensions (approx. overall) 10' width x 10' length x 17' height
 Reverse air blower on shaker
 Mfg. 2 Compartment w/ auto. timer
 Motor (2) 1/2 H.P. 1800rpm 3/61/440/220
 Rotary Valve — Size inches Mfg.
 Motor — H.P.

Exhauster 1047 cfm @ 4" sp, 72°F, 1.22 bhp

Mfg. Clargo Fan Co. Serial # rpm 2015
 Model # C38 motor 1 1/2 H.P. 3/60/440/220 rpm 1800
 rated amps

Cyclone

Type dimensions
 Rotary Valve — size inches Mfg.
 Motor H.P.

TEST DATA	DATE OF TEST					
Test Duct dia. inches						
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments:

58-F

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. #1 P/m - Mixing Area EWA 92
 Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117491
 Model # 18R-122D P.O. # AM-3640 Date 8-24-64
 Type Shaker bag - 1000 fap Bag dia. 8 inches x length 122 inches
 Total bag area 386.1 sq. ft. Total number of bags 18 (24.56.64)
 Filter Medium Cotton Sateen Air to cloth ratio 2.1:1
 Dimensions (approx. overall) 10' width x 22' length x 14' height
 Reverse air blower or shaker
 Mfg. _____ Model # 3 compartment w/ auto. control
 Motor (3) 3/4 H.P. 1800 rpm 3/60/440/220 - TENV
 Rotary Valve _____ Size 9 inches Mfg. Wheelabrator
 Motor _____ H.P. _____ driven by 9" screw conveyor shaft

Exhauster 8250 cfm @ 12" sp, 70°F, 23.7 bhp

Mfg. New York Blower Co. I. Serial # A-5776 rpm 1750
 Model # 361 LM motor 30 H.P. 3/60/440/220-50 rpm 1750
- CW TH arrg #1 rated amps 35.6 P.I. AM-375-2

Cyclone

Type _____ dimensions _____
 Rotary Valve _____ size _____ inches Mfg. _____
 Motor _____ H.P. _____

TEST DATA	DATE OF TEST				
Test Duct dia. inches	11-22-65	13			
Vp (inches H ₂ O)	0.6	0.35			
Velocity (ft./min.)	3100	2370			
C.F.M. (ft ³ /min.)	2850	2180			
Sp across Cyclone (inches H ₂ O)					
Sp " Collector "	1.2	5035			
Sp " Exhauster "	9.3	total cfm			
Exhauster rpm rated	1295				
rpm actual	1398				
Motor Amps rated	35.6				
Amps actual	22				
Air to cloth ratio	MAX. 2.0:1				
Exhauster location in system	clean side				

Comments:

1. Exhaust system started 8/8/65
2. Fiber feed hood duct reduced in size from 10" to 6" -

DUST COLLECTION SYSTEM DATA

58-6

Plant # 58 Dept. #2 P/M - Mixing Area DWA 109
 Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117492
 Model # 18K-132 D P.O. # AM-3644 Date 7-20-64
 Type Shaker bag - loop top Bag dia. 8 inches x length 152 inches
 Total bag area 3844 sq. ft. Total number of bags 182 (42-56-64)
 Filter Medium Cotton SATCEN Air to cloth ratio 2.88:1
 Dimensions (approx. overall) 10' width x 22' length x 12' height
 Reverse air blower or shaker
 Mfg. _____ Model # 3 compartment w/ auto. control
 Motor (3) 3/4 H.P. 1800 rpm 3/60/440/220 TENV
 Rotary Valve — Size 9 inches Mfg. Wheelabrator
 Motor — H.P. _____ driven by 9" screw conveyor sh. ft.

Exhauster 8340 cfm @ 14" sp, 70°F, 28.2 bhp

Mfg. New York Blower Co. Serial # A-8183 rpm 1393
 Model # 361 LM motor 30 H.P. 3/60/440/220 rpm 1800
CCW TH arrg 51 rated amps _____ P.O. # AM-4246

Cyclone

Type _____ dimensions _____
 Rotary Valve — size _____ inches Mfg. _____
 Motor — H.P. _____

TEST DATA	DATE OF TEST					
Test Duct dia. inches	<u>11</u>	<u>14</u>				
Vp (inches H ₂ O)	<u>0.8</u>	<u>1.3</u>				
Velocity (ft./min.)	<u>3580</u>	<u>4560</u>				
C.F.M. (ft ³ /min.)	<u>2360</u>	<u>4880</u>				
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "	<u>6.6</u>	<u>7240</u>				
Sp " Exhauster "	<u>9.6</u>	<u>Total cfm</u>				
Exhauster rpm rated	<u>1393</u>					
rpm actual	<u>1325</u>					
Motor Amps rated	<u>35.6</u>					
Amps actual	<u>30</u>					
Air to cloth ratio	<u>max. 2.88:1</u>					
Exhauster location in system	<u>Flange side</u>					

Comments: 11-1-65 collector on 24 hr. service

58-H

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Finishing Dept. Saws BWA 472
Operation Exhausted _____

Dust Collector

Mfg. American Air Filter "Amerjet" Serial # J-61027
Model # B 11-16-450 P.O. # K&M 49059 Date 3-13-61
Type reverse air jet Bag dia. 7 inches x length 422 inches (11')
Total bag area 450 sq. ft. Total number of bags 16
Filter Medium cotton sateen Air to cloth ratio _____
Dimensions (approx. overall) 6'-10" Ø width x _____ length x 14' height
Reverse air blower or shaker _____
Mfg. Buffalo Model # 5 1/2 E - 21" wheel
Motor _____ 10 H.P. _____
Rotary Valve _____ Size 7 inches Mfg. AAF
Motor 1/2 H.P. master gear motor 48 rpm 3/60/420

Exhauster 4100 cfm @ 15" Sp, 70°F, 15.3 bhp nos 10/0

Mfg. Buffalo Fan Co. Serial # _____ rpm 1865
Model # 40 MW motor 20 H.P. 3/60/440/220 rpm 1820
CW US arrg. #1 rated amps _____ P.O. # K&M 50439
1 1/16" shaft

Cyclone

Type _____ dimensions _____
Rotary Valve _____ size _____ inches Mfg. _____
Motor _____ H.P. _____

TEST DATA		DATE OF TEST				
Test Duct	dia. inches					
Vp (inches H ₂ O)						
Velocity (ft./min.)						
C.F.M. (ft ³ /min.)						
Sp across Cyclone (inches H ₂ O)						
Sp " Collector "						
Sp " Exhauster "						
Exhauster rpm rated						
rpm actual						
Motor Amps rated						
Amps actual						
Air to cloth ratio						
Exhauster location in system						

Comments:

SCRAPPED
5-79

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Scrap Crushing EWA 20
 Operation Exhausted _____

Dust Collector

Mfg. American Air Filter "Amerjet" Serial # J-62034
 Model # B 11-16-450 P.O. # G-1314 Date 9-5-62
 Type reverse air jet Bag dia. 9 inches x length 122 inches (11")
 Total bag area 450 sq. ft. Total number of bags 16
 Filter Medium Cotton screen Air to cloth ratio _____
 Dimensions (approx. overall) 6'-10" E width x _____ length x 14' height

Reverse air blower or shaker _____

Mfg. Buttalo Model # 5 1/2 E-21" WHEEL
 Motor 7 1/2 H.P. 3600 rpm 3/60/440/220 TEFC
 Rotary Valve _____ Size 12 inches Mfg. AAE
 Motor 1/2 H.P. T.E. drive motor 3/60/440/220

SEE SHEET
 DATED
 8/7/71

Exhauster 5500 CFM @ 14" sp, 70°F, 19.5 bhp

Mfg. New York Blower G.I. Serial # _____ rpm 1751
 Model # 291 LM motor 29 H.P. 3/60/440/220 rpm 1750
CW UB avg #1 rated amps _____ P.O. # G-146-1

FRAME 365

Cyclone

Type _____ dimensions _____
 Rotary Valve _____ size _____ inches Mfg. _____
 Motor _____ H.P. _____

TEST DATA		DATE OF TEST							
Test Duct	dia. inches	10-22-65	8/11/71						
Vp (inches H ₂ O)	18								
Velocity (ft./min.)	0.75								
C.F.M. (ft ³ /min.)	3470								
Sp across Cyclone (inches H ₂ O)	6140								
Sp " Collector "	7.0	2.6							
Sp " Exhauster "	15.5								
Exhauster rpm rated	1731								
rpm actual	1820	1765							
Motor Amps rated									
Amps actual		28-29	232 HP.						
Air to cloth ratio	max. 13.6:1								
Exhauster location in system	clean side								

Comments:

REVERSE AIR CARRIAGE DRIVE MOTOR; DAYTON MOD. 2N926H

1/2 H.P., 1140/950 RPM

FRAME F-56, CONTIN. DUTY SERV. F; 1.0

GEAR REDUCER COUPLED TO MOTOR THRU DODGE 6C FLEXIDINE;

MORSE 25WDB, RATIO 250 L.H., H.P.-29, RPM 1750

GEAR REDUCER CONNECTED THRU SHAFT TO ABOVE;

MORSE 25W, RATIO 25, H.P.-1.41, 1750 RPM

* AFTER COLLECTOR HAD BEEN RUNNING 1 1/2 HR WITH LITTLE OR NO DUST LOAD

DUST COLLECTION SYSTEM DATA

58-J

Plant # 58 Dept. Pipe End Finishing EWA 109
Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117787
Model # 15-126D P.O. # AM-475 Date 11-2-62
Type Shaker bag - 1000 top Bag dia. 5 inches x length 126 inches
Total bag area 5040 sq. ft. Total number of bags 360
Filter Medium cotton sateen Air to cloth ratio 1.98:1
Dimensions (approx. overall) 10' width x 16' length x 13' height
Reverse air blower (shaker)
Mfg. _____ Model # Intermittent w/program timer
Motor (2) 3/4 H.P. 1800 rpm 3/60/440/220 TENV
Rotary Valve _____ Size _____ inches Mfg. _____
Motor _____ H.P. _____

Exhauster 10,700 cfm @ 12" Sp, 70°F, 32.4 bhp

Mfg. New York Blower GI Serial # B-0134 rpm 1757
Model # 361 LM motor 40 H.P. 3/60/440/220 rpm 1760
CCW TH air #1 rated amps 43.7 P.O. # AM-4438

Cyclone

Type NONE dimensions _____
Rotary Valve _____ size _____ inches Mfg. _____
Motor _____ H.P. _____

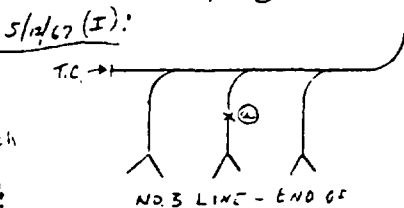
TEST DATA

DATE OF TEST

	5/12/67 (I)	5/12/67 (II)	5/12/67 (III)	7/7/67	9/20/67	1/9/68
Test Duct dia. inches	21.0	21.0	21.0	21.0	21	21
Vp (inches H ₂ O)	0.23	0.35	0.15	0.35	0.25	0.32
Velocity (ft./min.)	1921	2369	1551	2369	2225	2260
C.F.M. (ft ³ /min.) V x A	4600	5700	3730	5700	6700	5470
Sp <u>INLET</u> Cyclone (inches H ₂ O)	—	—	—	—	—	11.0
Sp " Collector "	0.65	0.9	0.95	1.1	1.0	0.65
Sp " Exhauster "	8.3 +	10.7	—	10.9	12.0	12.9
Exhauster rpm rated	1357	1357	1357	1357	1357	1357
rpm actual	1355	1355	1355	1300-1320	1355	—
Motor Amps rated	52.0	52.0	52.0	52.0	52.0	52.0
Amps actual	33.0	34.0	32.0	30 (LAMP)	35	30.0
Air to cloth ratio	0.91	1.14-1.00	0.74	1.14-1.00	flex wire duct	1.07-1.00
Exhauster location in system	CLEAN SIDE	SAME	SAME	SAME	duct	SAME
VP END OF SYSTEM	0.30"	0.32"	—	0.30	—	0.60 (12)
VEL END (ft/min)	2193	2260	—	2123	—	3102
Comments: DIAM. DUCT	8 1/2"	8 1/2"	—	8 1/2"	0 1/2"	5.5 (5.2 w/2 in. dia.)

NOT TRUE
FADING WHEN
WURES PARTLY
LOSE D

9/67
EWA NEW
tary valves
x both
x NEW
x GARDEN
ELATED BG
x 1/2 inch
x 1/2
possible



5/12/67 (I):
BOTH PIPE END FINISHING
AND COUPLING TOGETHER
DUST SYSTEMS ON TOGETHER

5/12/67 (II) OPEN FAN DISCHARGE
COUPLERS TO FULL OPEN POSITION
BOTH PIPE END COUPLINGS
FINISHING DUST COLLECTOR
SYSTEMS ON TOGETHER

5/12/67 (III) PIPE END SYSTEM
ON ALONE WITH COUPLERS
IN SAME POSITION AS (II)

7/7/67 - Lower fan only
SYSTEMS ON TOGETHER
PIPE END SYSTEM

NOTE WHEN PIPE END SYSTEM IS OFF & COUPLING, THE FINISHING SYSTEM IS ON ALONE WITH FULL FAN DISCHARGE OF PIPE END D.C. IN FINISHING DIRECTION

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. Coupling Finishing Dept. EWA 109
Operation Exhausted _____

Dust Collector

Mfg. Wheelabrator Serial # A-117786
Model # 23-1260 P.O. # AM-4173 Date 11-2-64
Type Shaker bag - loop top Bag dia. 5 inches x length 100 inches
Total bag area 7728 sq. ft. Total number of bags 552
Filter Medium Cotton sateen Air to cloth ratio 1.45:1
Dimensions (approx. overall) 10' width x 24' length x 13' height
Reverse air blower or shaker
Mfg. _____ Model # Intermittent w/program timer
Motor (2) 1 H.P. 1800 rpm 3/60/440/220 TENV
Rotary Valve _____ Size _____ inches Mfg. _____
Motor _____ H.P. _____

Exhauster 15,260 cfm @ 14" sp, 70°F, 50.0 bhp

Mfg. New York Blower G.I. Serial # B-0532 rpm 1142
Model # 451 LM motor 50 H.P. 3/60/440/220 rpm 1760
CCW TH arrg #1 rated amps 51.1 P.O. # AM-4533

Cyclone

Type _____ dimensions _____
Rotary Valve _____ size _____ inches Mfg. _____
Motor _____ H.P. _____

TEST DATA

DATE OF TEST

	5/12/67 (I)	5/12/67 (II)	5/12/67 (III)	7/7/67	9/20/67	11/9/68
Test Duct dia. inches	26.0	26.0	26.0	26.0	26.0	26.0
Vp (inches H ₂ O)	0.58	0.75	0.45	0.95	0.95	0.80
Velocity (ft./min.)	3050	3468	2687	3904	3904	3582
C.F.M. (ft ³ /min.)	11,200	12,750	9850	14,400	14,400	13,200
Sp <u>across cyclone</u> (inches H ₂ O)	—	—	—	—	—	8.0
Sp " Collector "	0.9	1.0	0.9	1.3	.90	0.90
Sp " Exhauster "	8.4	1.8	—	9.9	11.2	9.6
Exhauster rpm rated	1142	1142	1142	1142	1142	1142
rpm actual	1150	1150	1150	1130	1130	—
Motor Amps rated	63	63	63	63	63	63
Amps actual	52	55	53	56 (46.5)	55	56
Air to cloth ratio	1.45-1.00	1.64-1.00	1.27-1.00	1.83-1.00	—	1.71-1.00
Exhauster location in system	CLEAN SIDE	CLEAN	CLEAN	CLEAN	—	CLEAN

Comments:

5/12/67 (I): BOTH COUPLING & PIPE END FINISHING ON TOGETHER

- Large Boring Mill: $\phi = 7\frac{1}{2}"$; Vp = $1\frac{1}{2}"$; V = 4905 fpm
- Tail End Near Office: $\phi = 5"$; Vp = $10"$; V = 4005 fpm
- Tail End Near Wood Saw: $\phi = 6\frac{1}{2}"$; Vp = $15"$; V = 4905 fpm

5/12/67 (II): 302" long horizontal (opened more than before)
Both Systems on Together - AFTER REMOVE 90° ELBOW & Replace with 90° at Pipe End P.C. (on 7/1/67)

5/12/67 (II) OPEN FAN DISCHARGE LOUVER A LITTLE FULL OPEN BOTH SYSTEMS ON TOGETHER

Approx. Area: Fan Discharge = $15 \times 24 \times 25 = 9000$
" " " " = 3500 ft²
" " " " = 3800 ft² = 7300 CFM
" Loss thru screen = $800 \times 8" = 212$ CFM

- Large Boring Mill: $\phi = 7\frac{1}{2}"$; Vp = $1\frac{1}{2}"$; V = 5275 fpm
- Tail End Near Office: $\phi = 5"$; Vp = $10"$; V = 5005 fpm
- Tail End Near Wood Saw: $\phi = 6\frac{1}{2}"$; Vp = $15"$; V = 9005 fpm

5/12/67 (III) PIPE END FINISHING
Very slow = 0.05"

PLANT 58 DEPT. MFG. - SHOT BLASTER

EWA

LECTOR RD. # AM-243 DATE 6/2/70
 MFG. WHEELABRATOR SIZE 70-AC No. 8 SERIAL A-125126
 TOTAL INCHES 96 TOTAL BAG AREA 730 SQ FT BAGS Ø LENGTH
 FILT. MEDIA COTTON-SATEEN RATED AIR F. CLOTH RATIO
 OVERALL DIMENSIONS (FR. X) 4'-0" WIDE X 9'-10" LONG X 15'-8" HIGH
 REVERSE AIR () SHAKEN X MFG. W/A MOD
 MOTOR NAME HP 1/2 RPM 1800 FRAME K-56

SERIAL _____ STYLE _____ SERVICE FACTOR _____
 ROTARY VALVE MFG. NONE - SLIDE GATES SIZE _____ RPM _____
 MOTOR NAME WADWG. SD.2864 HP _____ RPM _____ FRAME _____
 SERIAL _____ STYLE _____ SERVICE FACTOR _____

CYCLONE MFG _____ TYPE _____ RPT. VALVE MFG _____
 SIZE _____ RPM _____ MOTOR NAME _____ HP _____ FLI _____
 FRAME _____ SERIAL _____ STYLE _____ SERV. FACT. _____

EXHAUSTER P.C.# _____ DATE _____ BRGS. ON FAN - THROW BLK.
MFG. CLARAGE FAN CO. SIZE 113XL SERIAL OR PART NO. 147746 146
RATED CFM _____ @ _____ "SP @ _____ °F @ _____ RPM @ _____ BHP
MOTOR NAME DELCO DIV. OF GEN. MOTORS HP 5 RPM 1740 FRAME 184T
* 18 SHAFT Ø SERIAL D-68 Mod. STYLE 1L5421- SERV. FACTOR 1.0

TEST DATA

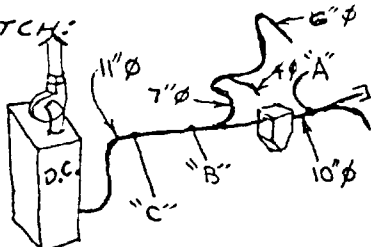
DATE TESTED 12/3/71

[illegible]

SP EFFORE CYCLONE _____ SP ACROSS _____
 SP AFTER CYCLONE _____
 SP CLEAN SIDE COLL. 5.85
 SP DIRTY SIDE COLL. 5.5 SP ACROSS .35
 IN RPM 1568 (^{MOTOR} 1765) NO. BELTS 2 (B-6)
 INLET Ø 13" O.D. SP _____ VP _____
 OUTLET Ø 13½" SP _____ VP _____
 MOTOR AMPS 4.66 (A.V.O.F. 4.1, 4.6, 5.0) 3.73 HP

REMARKS: TEST MADE WITH SHOTBLASTER DOWN
EXHAUSTER SNEAVES - DRIVER - 6" O.D., DRIVEN - 6 3/4" O.D.
2 BELTS (WHEELAB. No. 98148)
TEST POINT "B" IS FOR STATIC ONLY

SKETCH:



CTD006708

DOM

DUST COLLECTION SYSTEM DATA

Plant # 58 Dept. FINISHING EWA 76-3
Operation Exhausted SCRAP CRUSHING, CPLG. SAW, REWORK SAW
STUB SEWER LATHES (2)

Dust Collector

Mfg. WHEELABRATOR-FRYE INC. Serial # CONTRACT NO. 2787
Model # 126 SIZE 1224 SERIES 55 P.O. # AM 4427 Date 5-19-78
Type SHAKER BAG Bag dia. 22 1/2 inches x length 126 inches
Total bag area 7392 sq. ft. Total number of bags 528
Filter Medium COTON SATEEN * Air to cloth ratio 2.03 : 1
Dimensions (approx. overall) 8'-0" width x 23'-0" length x 25'-0" height
Reverse air blower or shaker
Mfg. _____ Model # INTERMITTANT w/TIMER
Motor _____ H.P. _____
Rotary Valve _____ Size _____ inches Mfg. _____
Motor _____ H.P. _____

Exhauster 15,000 CFM 12" S.P. 70°F 41.3 BHP

Mfg. NEW YORK BLOWER Serial # PO No AM 4513 ⁶⁻⁹⁻⁷⁸ rpm 1071
Model # 454 DH motor 50 H.P. 3-60-440 rpm 1800
rated amps

Cyclone

Type _____ dimensions _____
Rotary Valve _____ size _____ inches Mfg. _____
Motor _____ H.P. _____

TEST DATA		DATE OF TEST					
Test Duct	dia. inches						
Vp (inches H ₂ O)							
Velocity (ft./min.)							
C.F.M. (ft ³ /min.)							
Sp across Cyclone (inches H ₂ O)							
Sp " Collector "							
Sp " Exhauster "							
Exhauster rpm rated							
rpm actual							
Motor Amps rated							
Amps actual							
Air to cloth ratio							
Exhauster location in system							

Comments: REPLACED AMERJET COLLECTORS 53H & 52I