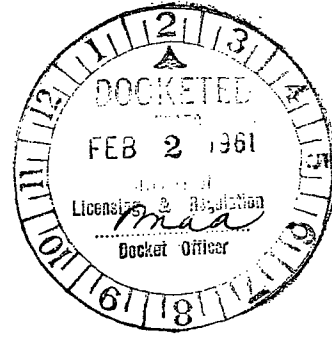


DOCKET NO. 40-665

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*Plant Dust Collection
& Ventilation
Equipment*

Master Index Tab - Dwg. K-32
General Location of each Dust Collection Point

- (A) Bucking Room Blower - Drawing 142-2
2 American Blowers, Type E, Size 500
- Blower on south side of chamber- 4,000 C.F.M. @ 10" W.G. S.P.
15 H.P. Motor @ 1750 R.P.M., Fan Speed - 1212 R.P.M.
- Blower on west side of chamber - 5,000 C.F.M. @ 9" W.G. S.P.
15 H.P. Motor @ 1750 R.P.M., fan speed - 1168 R.P.M.
- (B) Rotoclone No. 1, Drawing No. 47-3
- 13,200 C.F.M. @ 12" W.G. S.P., 40 H.P. motor @ 1765 R.P.M.
fan speed - 1383 R.P.M.
- American Air Filter Rotoclone, type-N, size-12, design-4
- Fan -American Blower, type ELS, size 600
- (C) Rotoclone No. 7, Drawing No. 47-8
- 13,200 C.F.M. @ 12" W.G. S.P., 40 H.P. @ 1765 R.P.M.
fan speed - 1383 R.P.M.
- American Air Filter Rotoclone - type N, size 12, design 4
- Fan - American Blower, type ELS, size 600
- (D) Rotoclone No. 8, Drawing No. 47-23
- 17,000 C.F.M @ 16" W.G. S.P., 50 H.P. motor @ 1770 R.P.M.
fan speed - 1357 R.P.M.
- American Air Filter Rotoclone - type N, size 12, design 4
- Fan - American Blower, type ELS, size 600
- (E) Rotoclones No. 4 & 5 - Drawings No. 47-11 and 47-12
- Rotoclone No. 4 - 4,000 C.F.M. @ 6" W.G. S.P.
10 H.P. motor @ 1800 R.P.M., fan speed - 1174 R.P.M.
- American Air Filter Rotoclone - type N, size 6, design 4
- Fan - American Air Filter, type K, size 19
- Rotoclone No. 5 - 8,500 C.F.M. @ 8" W.G. S.P. 25 H.P. motor
@ 1760 R.P.M., fan speed - 1418 R.P.M.
- American Air Filter Rotoclone - type N, size 8, design 4
- Fan - American Air Filter, type K, size 19

(F) Rotoclone No. 3, Drawings No. 47-12, 47-15, 47-16 and D-75
10,000 C.F.M. @ 10" W.G. S.P., 30 H.P. motor @ 1770 R.P.M.
fan speed - 1610 R.P.M.

American Air Filter Rotoclone - type N, size 6, design 4

Fan - American Air Filter, type K, size 19

(G) Rotoclone No. 6, Drawings No. U-15 and U-16
6,000 C.F.M. @ 1755 R.P.M., fan speed - 1534 R.P.M.

American Air Filter Rotoclone - type N, size 8, design 4

Fan - American Air Filter, type K, size 17

(H) Rotoclone No. 2 - Drawing No. U-3
13,200 C.F.M. @ 12" W.G. S.P., 40 H.P. motor @ 1750 R.P.M.
American Air Filter Rotoclone - type N, size 16, design 4
Fan - American Air Filter, type K, size 30

(I) Rotoclone No. 9 - Drawing No. U-4
11,000 C.F.M. @ 14" W.G. S.P., 40 H.P. motor @ 1775 R.P.M.
fan speed - 1072 R.P.M.

American Air Filter Rotoclone - Type N, size 16

Fan - American Air Filter, type K, size 30

(J) Yellow Cake Sampling Booth - Drawings No. F-26 and F-27
600 C.F.M. @ $\frac{1}{2}$ " W.G. S.P., $\frac{1}{4}$ H.P. motor @ 1725 R.P.M.
fan speed - 860 R.P.M.
Fan - American Blower No. $1\frac{1}{2}$ L

(K) 8,000 C.F.M. Joy Microdyne, 4,000 C.F.M. Joy Microdyne,
6,000 C.F.M. "Anaconda" Wet Impact Dust Collector

Drawing No. F-2 - Dust Collection @ Yellow Cake Dryers;
F-34 - 4,000 & 8,000 C.F.M. Microdyne Exhaust to Atmosphere
General Arrangement; F-38 - Drum Dryers Dust Collection
General Arrangement; F-57 - Isometric view of Drum Dryers
Dust Collection System; F-20 - Hoods & Duct Work for Drying
Plates - General Arrangement; F-21 - Hoods & Duct Work for
Drying Plates - Details; F-3 - Dust Collection @ Yellow Cake
Dryers; F-22 - Hoods & Ductwork for Furnace Dust Collection;
F-78 - Barrel Loading Area Dust Collection System (shows
ductwork)

Model 8 DCW3-2 "Joy" Microdyne - 8,000 C.F.M. @ 8" W.G. S.P.
direct driven with 25 H.P. motor @ 3450 R.P.M.

Model 4 DCW3-1 "Joy" Microdyne - 4,000 C.F.M. @ 6" W.G. S.P.
direct driven with 10 H.P. motor @ 3450 R.P.M.

Anaconda Dust Collector - 6,000 C.F.M. @ 6" W.G. S.P., 15 H.P.
motor @ 1760 R.P.M., fan speed - 1430 R.P.M.

Fan - American Blower, type E, size 400, type HE wheel

(L) Yellow Cake Ventilation Over Filter Presses - Drawing F-79

American Blower Co. - No. 15 "Vaneaxial" Fan, 1 H.P. motor
@ 1800 R.P.M., 3,460 C.F.M. @ $\frac{1}{2}$ " W.G. S.P., 2,000 R.P.M.

(M) 3,000 C.F.M. Wet Impact Dust Collector - Drawing No. 88-10
Carbonate Process Drum Dryer

Anaconda Dust Collector - 3,000 C.F.M. @ 6" W.G. S.P.,
5 H.P. motor @ 1750 R.P.M., fan speed - 1677 R.P.M.

Fan - American Blower Co. - type E, size 300, type HE wheel

(N) Metallurgical Lab Sample Splitter Hood - Drawing No. E-44

Chicago Airfoil Centrifugal Fan - 2288 C.F.M. @ 1-3/4 W.G. S.P.
1 $\frac{1}{2}$ H.P. motor @ 3450 R.P.M., fan speed - 2836 R.P.M.

Fan - Chicago Airfoil Centrifugal Fan - No. 12 $\frac{1}{4}$
Class - Standard - I

(P) Lime Mixing Tank in Ion Exchange Bldg. - Drawing No. E-46
Air Jet System - 80 P.S.I. compressed air

A Bucking Room Blower

Drawing 142-2

2 - American Blowers

Type - E

Size - 500

Blower on South Side of Chamber

4,000 C.F.M. @ 10" W.G. S.P.

15 H.P. Motor @ 1750 R.P.M.

Fan Speed - 1212 R.P.M.

Blower on West Side of Chamber

5,000 C.F.M. @ 9" W.G. S.P.

15 H.P. Motor @ 1750 R.P.M.

Fan Speed - 1168 R.P.M.

17

ⓑ Rotoclone No. 1

Drawing No. 47-3

13,200 C.F.M. @ 12" W.G. S.P.

40 H.P. Motor @ 1765 R.P.M.

Fan Speed - 1383 R.P.M.

American Air Filter Rotoclone

Type - N

Size - 12

Design - 4

Fan:

American Blower

Type ELS

Size - 600

① Rotoclone No. 7

Drawing No. 47-8

13,200 C.F.M. @ 12" W.G. S.P.
40 H.P. @ 1765 R.P.M.
Fan Speed - 1383 R.P.M.

American Air Filter Rotoclone

Type - N
Size - 12
Design - 4

Fan:

American Blower
Type - ELS
Size - 600



(D) Rotoclone No. 8

Drawing No. 47-23

17,000 C.F.M. @ 16" W.G. S.P.
50 H.P. Motor @ 1770 R.P.M.
Fan Speed - 1357 R.P.M.

American Air Filter Rotoclone

Type - N
Size - 12
Design - 4

Fan:

American Blower
Type - ELS
Size - 600

(E) Rotoclones Nos. 4 & 5

Drawing No. 47-11
Drawing No. 47-12

Rotoclone No. 4--

4,000 C.F.M. @ 6" W.G. S.P.
10 H.P. Motor @ 1800 R.P.M.
Fan Speed - 1174 R.P.M.

American Air Filter Rotoclone

Type - N
Size - 6
Design - 4

Fan:

American Air Filter
Type - K
Size - 19

Rotoclone No. 5 --

8,500 C.F.M. @ 8" W.G. S.P.
25 H.P. Motor @ 1760 R.P.M.
Fan Speed - 1418 R.P.M.

American Air Filter Rotoclone

Type-N
Size - 8
Design - 4

Fan:

American Air Filter
Type - K
Size - 19

(F)

Rotoclone No. 3

Drawing No. 47-12

Drawing No. 47-15

Drawing No. 47-16

Drawing No. D-75

10,000 C.F.M. @ 10" W.G. S.P.

30 H.P. Motor @ 1770 R.P.M.

Fan Speed - 1610 R.P.M.

American Air Filter Rotoclone

Type-N

Size-6

Design - 4

Fan:

American Air Filter

Type - K

Size -19

(G)

Rotoclone No. 6

Drawing No. U-15

Drawing No. U-16

6,000 C.F.M. @ 8" W.G. S.P.

15 H.P. Motor @ 1755

Fan Speed - 1534 R.P.M.

American Air Filter Rotoclone

Type - N

Size - 8

Design - 4

Fan:

American Air Filter

Type - K

Size - 17

(H)

Rotoclone No. 2

Drawing No. U-3

13,200 C.F.M. @ 12" W.G. S.P.
40 H.P. Motor @ 1750 R.P.M.

American Air Filter Rotoclone

Type - N
Size - 16
Design - 4

Fan:

American Air Filter
Type - K
Size - 30

①

Rotoclone No. 9

Drawing No. U-4

11,000 C.F.M. @ 14" W.G. S.P.
40 H.P. Motor @ 1775 R.P.M.
Fan Speed - 1072 R.P.M.

American Air Filter Rotoclone

Type-N
Size - 16

Fan:

American Air Filter

Type - K

Size - 30

(J)

Yellow Cake Sampling Booth

Drawing No. F-26

Drawing No. F-27

600 C.F.M. @ $\frac{1}{2}$ " W.G. S.P.
 $\frac{1}{4}$ H.P. Motor @ 1725 R.P.M.
Fan Speed - 860 R.P.M.

Fan:

American Blower
No. $1\frac{1}{2}$ L

(K)

8,000 C.F.M. Joy Microdyne

4,000 C.F.M. Joy Microdyne

6,000 C.F.M. "Anaconda" Wet Dust Impact Collector

Drawings No. F-2 - Dust Collection @ Yellow Cake Dryers

F-34 - 4,000 & 8,000 C.F.M. Microdyne Exhaust to
Atmosphere Gen. Arr'gt

F-38 - Drum Dryers Dust Collection Gen. Arr'gt

F-57 - Isometric View of Drum Dryers Dust
Collection System

F-20 - Hoods & Duct Work for Drying Plates -
General Arrangement

F-21 - Hoods & Duct Work for Drying Plates - Details

F-3 - Dust Collection @ Yellow Cake Dryers

F-22 - Hoods & Ductwork for Furnace Dust Collection

F-78 - Barrel Loading Area Dust Collection System
(Shows Ductwork)

Model 8 DCW3-2 "Joy" Microdyne

8,000 C.F.M. @ 8" W.G. S.P.

Direct Driven with 25 H.P. Motor @ 3450 R.P.M.

Model 4 DCW3-1 "Joy" Microdyne

4,000 C.F.M. @ 6" W.G. S.P.

Direct Driven with 10 H.P. Motor @ 3450 R.P.M.

Anaconda Dust Collector:

6,000 C.F.M. @ 6" W.G. S.P.

15 H.P. Motor @ 1760 R.P.M.

Fan Speed - 1430 R.P.M.

Fan:

American Blower

Type- E

Size- 400

Type- HE Wheel

(L) Yellow Cake Ventilation Over Filter Presses

Drawing No. F-79

American Blower Co.
No. 15" Vaneaxial Fan

1 H.P. Motor @ 1800 R.P.M.

3,460 C.F.M. @ $\frac{1}{2}$ " W.G. S.P.
2,600 F.P.M.

①M- 3,000 C.F.M. Wet Impact Dust Collector

Drawing No. 88-10-Carbonate Process Drum Dryer

Anaconda Dust Collector:

3,000 C.F.M. @ 6" W.G. S.P.
5 H.P. Motor @ 1750 R.P.M.
Fan Speed - 1677 R.P.M.

Fan:

American Blower Co.
Type - E
Size - 300
Type HE Wheel

(N)

Metallurgical Lab Sample Splitter Hood

Drawing No. E-44

Chicago Airfoil Centrifugal Fan
2288 C.F.M. @ 1-3/4 W.G. S.P.
1½ H.P. Motor @ 3450 R.P.M.
Fan Speed-2836 R.P.M.

Fan:

Chicago Airfoil Centrifugal Fan
No. 12¼
Class - Standard - I

① Lime Mixing Tank in Ion Exchange Bldg.

Drawing No. E-46

Air Jet System

80 P.S.I. Compressed Air