

C&W Manufacturing & Sales Co.  
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Air Permit Work Sheet for C&W Dust Collector

Dust Collector Model No.	CP535-5000
Type of Collector	Central
Cleaning Mechanism	pulse jet w/ adjustable timer
Fan Included	Y
Fan Power	13.0 hp
Collector Flow Rate	5,000 acfm
Filter Material	Spun Bond polyester
Filter Efficiency	99.99
Filter Media Max Pressure Drop	10 in H2O
Total Area of Filter Media	535 sqft
Nominal Filter Diameter	8 in
Nominal Filter Length	6.50 ft
Quantity of Filters	6
Number of Compartments	1
Number of Filters per Compartment	6
Filtering Velocity	9.35 acfm / ft2 of cloth

Maximum concrete production	275 yds/hr
Number of fill lines	0
Application Flow Rate	5,000 acfm
Type of Particulate Controlled	3. cement & flyash
Name of Source(s) or Equipment being Controlled	04.TRUCK MIX LOADING (SHROUD)
Total number of hours of operation per year	0 hr/yr

	PM inlet	PM outlet	PM 10 inlet	PM 10 outlet	PM 2.5 inlet	PM 2.5 outlet	
Particulate Grain Loading	2.02125	0.000202125	0.56467	0.000056467	ND*	ND*	grains / scf
Particulate Emissions	86.62500	0.0086625	24.20000	0.0024200	ND*	ND*	lbs / hr
Particulate Emissions	0.00000	0.0000000	0.00000	0.0000000	ND*	ND*	tons / yr

Outlet Area	1.23 sqft
Outlet Velocity	67.75 ft/s

\*ND= No Data.