

Rule 204 Dust and Fumes

- 1 PROCESS WEIGHT LIMITATION:** A person shall not discharge in any one hour from any source whatsoever, except as provided by Rule 203 Sections 2.1.1 and 2.1.3 of this Regulation, dust or fumes in total quantities in excess of amounts shown in the following table titled "Process Weight Limitation Table."

To use the following table, take the process weight per hour as such is defined in the attached definitions. Then find this figure on the table, opposite which is the maximum number of pounds of contaminants which may be discharged into the atmosphere in any one hour. As an example: if "A" has a process which emits contaminants into the atmosphere and which process takes four (4) hours to complete, he will divide the weight of all materials in the process, in this example 2,400 lbs., by '4', giving a process weight per hour of 600lbs. The table shows that "A" may not discharge more than 1.83lbs., in any one hour during the process. Interpolation of the data in the table for process weights up to 60,000 pounds/hour shall be accomplished by use of the equation $E = 4.10(P^{0.67})$ and interpolation and extrapolation of the data for process rates in excess of 60,000 pounds/hour shall be accomplished by use of the equation below.

$E = 55.0 (P^{0.11}) - 40$. For purposes of these equations, E = the rate of emission in pounds/hour and P = the process weight rate in tons/hour.

PROCESS WEIGHT LIMITATION TABLE

Process Weight Rate		Maximum Discharge Rate	Process Weight Rate		Maximum Discharge Rate
lb/hr	ton/hr	lb/hr	lb/hr	ton/hr	lb/hr
100	0.05	0.551	14000	7.00	15.5
200	0.10	0.877	16000	8.00	16.5
400	0.20	1.400	18000	9.00	17.9
600	0.30	1.830	20000	10.00	19.2
800	0.40	2.220	30000	15.00	25.2
1000	0.50	2.580	40000	20.00	30.5
1500	0.75	3.380	50000	25.00	35.4
2000	1.00	4.100	60000	30.00	40.0
2500	1.25	4.760	70000	35.00	41.3
3000	1.50	5.380	80000	40.00	42.5
3500	1.75	5.970	90000	45.00	43.6
4000	2.00	6.520	100000	50.00	44.6
5000	2.50	7.580	120000	60.00	46.3
6000	3.00	8.560	140000	70.00	47.8
7000	3.50	9.490	160000	80.00	49.0
8000	4.00	10.400	200000	100.00	51.2
9000	4.50	11.200	1000000	500.00	69.0
10000	5.00	12.000	2000000	1000.00	77.6
12000	6.00	13.600	6000000	3000.00	92.7