

RULE 404-A - PARTICULATE MATTER

Adopted: 09/05/74 Revised: 02/09/81

1. Concentration

A person shall not discharge from any source whatsoever, particulate matter in excess of 0.3 grain per standard dry cubic foot of exhaust gas.

2. Process Weight

A person shall not discharge in any one hour from any source whatsoever, particulate matter in excess of the amount shown in Table II.

3. Geothermal Well Drilling

A person shall not discharge particulates into the atmosphere from any geothermal steam source in excess of the quantity established by the following formula:

$$y = .00069X + 1.4$$

where:

y = is the particulate emission rate limitation in kilograms per hour (averaged over one hour) and X is the steam rate in kilograms per hour passing through a geothermal well drilling operation or an geothermal well being vented for clean out.

TABLE II			
MAXIMUM ALLOWABLE EMISSION RATE BASED ON PROCESS WEIGHT RATE			
Process Weight Rate (lb/hr)	Maximum Allowable Solid Particulate Emission Rate *(lb/hr)	Process Weight Rate (lb/hr)	Maximum All Solid Particulate Emission Rate (lb/hr)
50	.24	3400	5.44
100	.46	3500	5.52
150	.66	3600	5.61
200	.85	3700	5.69
250	1.03	3800	5.77
300	1.20	3900	5.85
350	1.35	4000	5.93
400	1.50	4100	6.01
450	1.63	4200	6.08
500	1.77	4300	6.15
550	1.89	4400	6.22
600	2.01	4500	6.30
650	2.12	4600	6.37
700	2.24	4700	6.45
750	2.30	4800	6.52
800	2.43	4900	6.60

TABLE II – Continued

MAXIMUM ALLOWABLE EMISSION RATE BASED ON PROCESS WEIGHT RATE

Process Weight Rate (lb/hr)	Maximum Allowable Solid Particulate Emission Rate *(lb/hr)	Process Weight Rate (lb/hr)	Maximum All Solid Particulate Emission Rate (lb/hr)
850	2.53	5000	6.67
900	2.62	5500	7.03
950	2.72	6000	7.37
1000	2.80	6500	7.71
1100	2.97	7000	8.05
1200	3.12	7500	8.39
1300	3.26	8000	8.71
1400	3.40	8500	9.03
1500	3.54	9000	9.36
1600	3.66	9500	9.67
1700	3.79	10000	10.0
1800	3.91	11000	10.63
1900	4.03	12000	11.28
2000	4.14	13000	11.89
2100	4.24	14000	12.50
2200	4.34	15000	13.13
2300	4.44	16000	13.74
2400	4.55	17000	14.36
2500	4.64	18000	14.97
2600	4.74	19000	15.58
2700	4.84	20000	16.19
2800	4.92	30000	22.22
2900	5.02	40000	28.3
3000	5.10	50000	34.3
3100	5.18	60000	40.0
3200	5.27	or more	

*Sum of emissions from all emission points of process

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