

Note: This is a reference cited in AP 42, *Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources*. AP42 is located on the EPA web site at www.epa.gov/ttn/chief/ap42/

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

AP42 Section:	9.7
Background Chapter	4
Reference:	2
Title:	Airways Gin--PM10 & Total Particulate Testing--Motes Trash Cyclone, #3 Incline Cyclone, Overflow Separator Cyclone, BTC Environmental, Inc., Ventura, CA, November 21-22, 1991.

Source category: Cotton COTTON2 Date: 02/15/95
 Plant name : Airways Location: Fresno, CA
 Test date : Nov 21-22, 1991 Ref. No.:
 Process : Basis for process rate : production

Source	Type of control	Pollutant	Run No.	Emission rate, lb/hr	Number of cyclones	Process rate, bales/hr	Emission factor		
							kg/bale	lb/bale	
Mote trash cyclone	One 20" 1D-3D cyclone	Total PM	1	1.67	1	21.80	0.035	0.076	
		Total PM	2	1.33	1	23.00	0.026	0.058	
		Total PM	3	1.56	1	22.90	0.031	0.068	
		AVERAGE						0.031	0.067
		PM-10	1	1.16	1	21.80	0.024	0.053	
		PM-10	2	0.708	1	23.00	0.014	0.031	
		PM-10	3	0.817	1	22.90	0.016	0.036	
		AVERAGE						0.018	0.040
No. 3 incline cyclone	Two 40" 1D-3D cyclones	Total PM	1	1.04	2	23.60	0.040	0.088	
		Total PM	2	1.04	2	23.00	0.041	0.090	
		Total PM	3	1.09	2	23.00	0.043	0.095	
		AVERAGE						0.041	0.091
		PM-10	1	0.292	2	23.60	0.011	0.025	
		PM-10	2	0.327	2	23.00	0.013	0.028	
		PM-10	3	0.438	2	23.00	0.017	0.038	
		AVERAGE						0.014	0.030
Overflow separator cyclone	Two 40" 1D-3D cyclones	Total PM	1	1.32	2	23.00	0.052	0.11	
		Total PM	2	1.34	2	21.70	0.056	0.12	
		Total PM	3	0.748	2	23.00	0.030	0.065	
		AVERAGE						0.046	0.10
		PM-10	1	0.477	2	23.00	0.019	0.041	
		PM-10	2	0.428	2	21.70	0.018	0.039	
		PM-10	3	0.304	2	23.00	0.012	0.026	
		AVERAGE						0.016	0.036