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:	1
Title:	Westfield Gin--PM10 & Total Particulate Testing--Main Trash Stock Piler Cyclone, #2 Incline Cyclone, Gin Feed Trash Cyclone, BTC Environmental, Inc., Ventura, CA, November 14-15, 1991.

Source category:	Cotton	COTTON1	Date:	08/01/95
Plant name :	Westfield		Location:	Riverdale, CA
Test date :	Nov 14-15, 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	Emission factor lb/bale
No. 2 incline cyclone	Two 38" 2D-2D cyclones	Total PM	1	1.43	2	15.00	0.0866	0.191
		Total PM	2	1.70	2	15.00	0.103	0.227
		Total PM	3	1.87	2	15.00	0.113	0.249
		AVERAGE					0.101	0.222
		PM-10	1	0.407	2	15.00	0.0246	0.0543
		PM-10	2	0.720	2	15.00	0.0436	0.0961
		PM-10	3	0.970	2	15.00	0.0587	0.129
		AVERAGE					0.0423	0.0932
Gin feed trash cyclone	Two 38" 2D-2D cyclones	Total PM	1	0.54	2	14.00	0.0350	0.0771
		Total PM	2	0.49	2	15.00	0.0297	0.0653
		Total PM	3	0.47	2	15.20	0.0281	0.0618
		AVERAGE					0.0309	0.0681
		PM-10	1	0.30	2	14.00	0.0195	0.0429
		PM-10	2	0.28	2	15.00	0.0169	0.0373
		PM-10	3	0.31	2	15.20	0.0185	0.0408
		AVERAGE					0.0183	0.0403

Section 4
Ref. 1

Source category: Cotton COTTON1 Date: 02/15/95
Plant name : Westfield Location: Riverdale, CA
Test date : Nov 14-15, 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	Emission factor lb/bale
Main trash stock piler cyclone	Two 38" 2D-2D cyclones	Total PM	1	3.96	2	13.40	0.268	0.591
		Total PM	2	3.15	2	15.50	0.185	0.406
		Total PM	3	4.18	2	15.00	0.253	0.557
		AVERAGE					0.235	0.518
		PM-10	1	1.46	2	13.40	0.0989	0.218
		PM-10	2	1.75	2	15.50	0.103	0.226
		PM-10	3	1.52	2	15.00	0.0920	0.203
		AVERAGE					0.0978	0.215
No. 2 incline cyclone	Two 38" 2D-2D cyclones	Total PM	1	1.43	2	15.00	0.0866	0.191
		Total PM	2	1.70	2	15.00	0.103	0.227
		Total PM	3	1.87	2	15.00	0.113	0.249
		AVERAGE					0.101	0.222
		PM-10	1	0.407	2	15.00	0.0246	0.0543
		PM-10	2	0.720	2	15.00	0.0436	0.0961
		PM-10	3	0.970	2	15.00	0.0587	0.129
		AVERAGE					0.0423	0.0932
Gin feed trash cyclone	Two 38" 2D-2D cyclones	Total PM	1	0.54	2	14.00	0.0350	0.0771
		Total PM	2	0.49	2	15.00	0.0297	0.0653
		Total PM	3	0.47	2	15.20	0.0281	0.0618
		AVERAGE					0.0309	0.0681
		PM-10	1	0.30	2	14.00	0.0195	0.0429
		PM-10	2	0.28	2	15.00	0.0169	0.0373
		PM-10	3	0.31	2	15.20	0.0185	0.0408
		AVERAGE					0.0183	0.0403

cannot determine config.

Do not use. Cannot ID process cyclones!