AP42 Section:	9.7
Background Chapter	4
Reference:	12
Title:	Emission Test Report, Westside Farmers' Cooperative Gin #5, Tranquility, California, Prepared for U.S. Environmental Protection Agency Division of Stationary Source Enforcement, Washington, D.C., PEDCo Environmental, Inc., Cincinnati, OH, February 1978.

COTTON12.WQ1

SECTION 4, REFERENCE 12, WESTSIDE FARMERS COOP GIN, NOV. 15-22, 1977

SITE	PROCESS	RUN	G/DSCF	DSCFH	CALC. LB/HR	BALES/H	CALC. LB/BALE
A	MOTE SYSTEM	1	0.034	596184	2.90	13	0.22
		2	0.052	625985	4.65	13	0.36
		3	0.046	603566	3.97	13	0.31
AVERAGE			0.044	608578	3.84	13	0.30
B	NOS. 1 & 2 SEED	1	0.052	710391	5.28	13	0.41
	COTTON CLEANERS	2	0.04	695453	3.97	13	0.31
		3	0.125	714146	12.75	13	0.98
		4	0.159	723225	16.43	13	1.26
AVERAGE			0.108	710941	11.05	13	0.74
C	NOS. 1 & 2 DRYERS	1	0.049	638716	4.47	13	0.34
	& GIN STAND TRASH	2	0.053	629297	4.76	13	0.37
		3	0.04	699015	3.99	13	0.31
AVERAGE			0.04733	655676	4.41	13	0.34
D	UNLOADING	1	0.119	327989	5.58	13	0.43
		2	0.097	361181	5.00	13	0.38
		3	0.103	305229	4.49	13	0.35
AVERAGE			0.10633	331466	5.02	13	0.39
E	NO. 2 CLEANER	RUN 1 VOID					
		2	0.015	359666	0.77	13	0.059
		3	0.01	358235	0.51	13	0.039
AVERAGE			0.0125	358951	0.64	13	0.049
F	MOTE CLEANER	1	0.095	198614	2.70	13	0.21
D-RATED--ALL RUNS FAILED		2	0.094	141270	1.90	13	0.15
ISOKINETIC REQUIREMENT		3	0.093	144183	1.92	13	0.15
AVERAGE		D-RATED DATA--ALL RUNS ABOUT 66% ISOKINETICS					0.17
G	NO. 2 LINT	1	0.027	793698	3.06	13	0.24
	CLEANER	2	0.028	803151	3.21	13	0.25
		3	0.038	850595	4.62	13	0.36
AVERAGE			0.031	815815	3.63	13	0.28
H	NO. 1 LINT	1	0.063	1149698	10.35	13	0.80
	CLEANER	2	0.062	1014448	8.99	13	0.69
		3	0.138	1004418	19.80	13	1.52
AVERAGE			0.08767	1056188	13.04	13	1.00
I	NO. 2 LINT	1	0.052	788224	5.86	13	0.45
	CLEANER	2	0.042	682357	4.09	13	0.31
		3	0.029	790041	3.27	13	0.25
AVERAGE			0.041	753541	4.41	13	0.34
SUM OF NO. 1 AND NO. 2 LINT CLEANERS							1.6
J	BATTERY	1	0.023	1442395	4.74	13	0.36
	CONDENSER	2	0.021	1534392	4.60	13	0.35
		3	0.024	1336862	4.58	13	0.35
AVERAGE			0.02267	1437883	4.64	13	0.36

CONTACT REPORT--MRI Project No.

From: Brian Shrager, Environmental Engineering Department

Date of Contact: April 12, 1996

Contacted by: Telephone

Company/Agency: USDA-ARS Southwest Cotton Ginning Laboratory
Mesilla Park, New Mexico

Telephone Number: (505) 526-6381

Person(s) Contacted/Title(s)

Ed Hughs, Research Leader

CONTACT SUMMARY: Mr. Hughs was contacted to clarify emission data presented in a cotton ginning test report (Reference 12 in the AP-42 background report). The following were the main points of clarification.

- Site A should be labeled as the mote system, not the master trash fan.
- Sites B, C, and E should be grouped together and labeled as the No. 1 and 2 Dryer and Cleaner and Gin Stand Trash. There is also a small PM contribution from the lint cleaners, but this should not be significant.

- To calculate an emission factor for the lint cleaners, the emission factors from tests on Sites G, H, and I should be added together. This lint cleaner emission factor is 1.6 lb/bale, not 0.35 lb/bale as shown in the comments received from the National Cotton Council on October 31, 1995.
- In many of the test reports, there is a source called gin stand trash fan or gin stand feeder trash. This source is the same as the master trash fan or is part of the master trash system.
- Two of the reports (References 13 and 14 in the comments received from the National Cotton Council on October 31, 1995) were not used because of a lack of documentation and the use of a non-standard test method.

We also discussed procedures for combining data. In particular, I told Mr. Hughs that we do not use C- and D-rated data if A- and B-rated data are available, whereas the Cotton Council emission factors used all data regardless of rating.