

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:	9.13.2
Background Chapter	4
Reference:	8
Title:	Source Test Report For Particulate, Volatile Organic Compounds, And Carbon Monoxide Emissions From The Coffee Roaster 7D Thermal oxidizer At General Foods-Maxwell House Division, Hoboken, New Jersey, Air Consulting and Engineering, Inc., Gainesville, FL, December 20, 1990.

Emission Test Report Review Checklist--Short Form

Reviewer: TRAPP
Review Date: 8/2/94

A. Background Information

1. Facility name: GENERAL FOODS / MAXWELL HOUSE DIV. (APC Plant ID No. 10082)
Location: Hoboken NJ
2. Source category: Coffee Roasting
3. Test date: December 20, 1990
4. Test sponsor: General Foods
5. Testing contractor: AIR CONSULTING & ENGINEERING, INC
6. Purpose of test: Emission Compliance Test

7. Pollutants measured (include test method and indicate if valid):

Pollutant	EPA Method
TOTAL PARTICULATE	5
THC (As Methane)	25 A
CO	10
CO2	3 (analyzer not specified)

8. Process overview: Attach a process description and a block diagram. Identify processes tested with letters from the beginning of the alphabet (A, B, C, etc...) and APC systems with letters from the end of the alphabet (V, W, X, etc...). Also identify test locations with Arabic numerals (1,2,3, ...). Using the ID symbols from the diagram, complete the table below.

Test ID	Process	Process ID	Emissions tested		APCD (controlled emissions only)
			Uncontrolled	Controlled	
	Coffee Roaster 7D Afterburner Outlet	NJ EPA 060 temp 067			ID: Type: Model #:
					ID: Type: Model #:
					ID: Type: Model #:
					ID: Type: Model #:

B. Process Information

1. Provide a brief narrative description of the process and attach process flow diagram. (Note: If the process description provided in the test report is adequate, attach a copy here.)

*See attached sheets
(Tested outlet only)*

Filename: COFFEE8.WQ1

D. Emission Data/Mass Flux Rates/Emission Factors

Test ID	Parameter	Units	Values reported			
			Run 1	Run 2	Run 3	Run 4
1	Stack temperature	Deg F	1510	1516	1520	
ROASTER-- AFTERBURNE OUTLET	Moisture	%	18.6	19.9	19	
	Oxygen	%	11.4	11.4	11.4	
	Volumetric flow, actual	acfm	17422	17046	17173	
	Volumetric flow, standard*	dscfm	3916	3759	3822	
	Isokinetic variation	%	93.6	98.7	97	
Circle: Production or feed rate Capacity:		TPH	2.398	2.399	2.405	
Pollutant concentrations:						
	Filterable PM	G/dscf	0.0111	0.0129	0.0133	
	THC as methane	ppmdv	1.95	1.95	2.37	
	CO	ppmdv	64.5	77.5	61	
	CO2	%	5.0	4.3	4.3	
Pollutant mass flux rates:						
	Filterable PM	lb/hr	0.373	0.416	0.436	
	THC as methane	lb/hr	0.0191	0.0183	0.0226	
	CO	lb/hr	1.10	1.27	1.02	
	CO2	lb/hr	1342	1108	1126	
Emission factors (ENGLISH UNITS):						AVERAGE
	Filterable PM	lb/ton	0.155	0.173	0.181	0.170
	THC as methane	lb/ton	0.00796	0.00763	0.00941	0.00833
	CO	lb/ton	0.459	0.530	0.423	0.471
	CO2	lb/ton	560	462	468	497
Emission factors (METRIC UNITS):						AVERAGE
	Filterable PM	kg/Mg	0.0777	0.0866	0.0906	0.0850
	THC as methane	kg/Mg	0.00398	0.00382	0.00471	0.00417
	CO	kg/Mg	0.230	0.265	0.211	0.235
	CO2	kg/Mg	280	231	234	248

[illegible]