AP42 Section:	9.12.1
Background Chapter	4
Reference:	21
Title:	Report on Compliance Testing Performed for Coors Brewing Company, Clean Air Engineering, Palatine, IL, November 25, 1992.

(21)
Section 4 Reference Coors II
AP-42 Reference ___

Emission Test Report Review Checklist--Short Form

Reviewer: BRIAN SHRAGER
Review Date: 9/14/94

A. Background Information

1. Facility name: COORS
   Location: GOLDEN, CO
2. Source category: MALT BEVERAGES
3. Test date: 8/22-23/92
4. Test sponsor: COORS
5. Testing contractor: CAE
6. Purpose of test: PM and VOC compliance
7. Pollutants measured (include test method and indicate if valid): Filterable PM - EPA Method 5 ✓
   THC - EPA Method 25A ✓
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	
1	SPENT GRAIN DRYING	A	✓		ID: Type: Model #:
2	SPENT GRAIN DRYING	A		✓	ID: Type: Wet Scrubber 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.)

COORS REPORT 11 TEST DATA SUMMARY

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	165	166	163	
SPENT GRAIN DRYER (uncontrolled)	Moisture	%	37	39	40.8	
	Oxygen	%	21.0	21.0	20.9	
	Volumetric flow, actual	acfm	10102	10058	10305	
	Volumetric flow, standard	dscfm	4323	4170	4166	
	Isokinetic variation	%	108	97.3	95	
Production rate: based on plant average 0.44 brews/hr/dryer*1 dryer*2.6315 tons dry grain/brew		ton/hr dry grain	1.15786	1.15786	1.15786	
	Pollutant concentrations:					
	Filterable PM	g/dscf	0.2063	0.0774	0.2578	
	Pollutant mass flux rates:					
	Filterable PM	lb/hr	7.64	2.77	9.21	
	Emission factors:					Average
	Filterable PM	lb/ton	6.6	2.4	8.0	5.6

Test ID	Parameter	Units	Values reported			
			Run 1	Run 2	Run 3	Run 4
2	Stack temperature	Deg F	153	159	162	
SPENT GRAIN DRYER WITH WET SCRUBBER	Moisture	%	33.5	38	40.5	
	Oxygen	%	20.9	21.0	21.0	
	Volumetric flow, actual	acfm	9516	9339	9206	
	Volumetric flow, standard	dscfm	4435	4013	3781	
	Isokinetic variation	%	96.3	93.1	102.3	
Production rate: based on plant average 0.44 brews/hr/dryer*1 dryer*2.6315 tons dry grain/brew		ton/hr dry grain	1.15786	1.15786	1.15786	
	Pollutant concentrations:					
	Filterable PM	g/dscf	0.0098	0.0069	0.0073	
	TOC as propane	ppmdv	44	77.0	74	
	Pollutant mass flux rates:					
	Filterable PM	lb/hr	0.373	0.237	0.237	
	TOC as propane	lb/hr	1.34	2.12	1.92	
	Emission factors:					Average
	Filterable PM	lb/ton	0.32	0.20	0.20	0.24
	TOC as propane	lb/ton	1.2	1.8	1.7	1.5