

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.

Background Report Reference

AP-42 Section Number: 9.12.3

Background Chapter: 4

Reference Number: 3

Title: Written Communication from J.E>
Hornback, Department for
Environmental Protection,
Commonwealth of Kentucky,
Frankfort, KY, to H.E. O'Daniel Jr.,
Kentucky Distillers Association,
Springfield, KY

September 1992

Commonwealth of Kentucky



Natural Resources and
Environmental Protection Cabinet

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION FOR AIR QUALITY
803 SCHENKEL LANE
FRANKFORT, KENTUCKY 40601

FAX TRANSMISSION COVER SHEET

TO: Tom Lapp

Agency/Company: MRI FAX#: (919) 677-0065

From: Roger S. Cook

Number of pages INCLUDING this page:

DATE: 9-18-96

VOICE #: (502) 573-3382

FAX #: (502) 573-3787

COMMENTS:

PHILLIP J. SHEPHERD
SECRETARY



mrl
BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION FOR AIR QUALITY
316 St. Clair Mall
Frankfort, Kentucky 40601

September 18, 1992

Mr. H. Edward O'Daniel, Jr., President
Kentucky Distillers Association
110 W. Main Street
Springfield, Kentucky 40069

Dear Mr. ^{ED}O'Daniel:

The Kentucky Division for Air Quality, after reviewing its Emissions Inventory System (EIS) database, has made the following changes regarding distilleries:

- (1) The Division has determined that some distillery operations were not required to have an operating permit and thus were exempted from paying an emissions fee (*Please see Table A enclosed*). If the exempted distilleries had been subject to the emissions fee the cost per ton of pollutant would have been \$9.44 instead of \$9.51 per ton. However, due to a lower overall emission tonnage caused by the no permit exemptions, a cost savings estimated at \$15,353.87 was incurred by the distilling industry.
- (2) After consulting with the U.S. Environmental Protection Agency (EPA), the Division changed the emission factor for the whiskey aging process in its EIS database from 10 to 7.6 lbs. of VOC emitted per barrel stored (*Please see Tables B and C enclosed*). If the old emission factor had been utilized then the cost per ton would have been \$9.39. However, due to the lower overall emission tonnage caused by the emission factor change, a cost savings estimated at \$24,561.17 was incurred by the distilling industry.

Additionally, enclosed is a copy of an U.S. EPA publication regarding VOC emissions from whiskey warehouses that you requested. If you have questions regarding any of the information provided, please contact me or Mr. Martin Luther, of my staff, at (502) 564-3382.

Sincerely,

A handwritten signature in cursive script that reads "John E. Homback".

John E. Homback, Director

JEH/mrl

Enclosures



TABLE A. PERMIT FEES GENERATED USING 1991 KVEIS ACTUAL EMISSIONS DATA
 SOURCES 25 TONS OR AGGREGATE 25 TONS OF EMISSIONS OR GREATER
 POLLUTANTS SUBJECT TO THE FEE ARE NO2, PM10, SO2, AND VOC
 DISTILLERIES NOT CHARGED - NO PERMIT REQUIRED

11:35 FRIDAY, SEPTEMBER 4, 1992

OBS	CONAME	AQCR	COUNTYID	PLANTID	SO2 TONS	NO2 TONS	PM10 TONS	VOC TONS	TOTAL TONS
1	HEAVEN HILL DISTILLERIES	104	3000	0034	0.000	0.000	0.000	577.600	577.600
2	BOULEVARD DISTILLERS	102	1980	0002	0.000	0.000	0.000	332.728	332.728
3	BOULEVARD DISTILLERS	102	0060	0007	0.000	0.000	0.000	255.873	255.873
4	MAKER'S MARK DISTILLERY	104	2580	0003	0.000	0.000	0.932	227.487	228.419
5	GLENMORE DISTILLERIES CO	077	0920	0009	0.000	0.000	0.000	209.228	209.228
6	JAMES B BEAM DISTILLING CO	102	4140	0010	0.000	0.000	0.000	113.240	113.240
					0.000	0.000	0.932	1716.156	1717.088

1
10:43 FRIDAY, SEPTEMBER 4, 1992

PERMIT FEES GENERATED USING 1991 KYEIS ACTUAL EMISSIONS DATA
 SOURCES 25 TONS OR AGGREGATE 25 TONS OF EMISSIONS OR GREATER
 POLLUTANTS SUBJECT TO THE FEE ARE NO2, PM10, SO2, AND VOC
 BILLED DISTILLERIES TONNAGE WITH OLD EMISSION FACTOR

TABLE B.

OBS	CONAME	AQCR	COUNTYID	PLANTID	SO2 TONS	NO2 TONS	PM10 TONS	VOC TONS	TOTAL TONS
1	HEAVEN HILL DISTILLERIES	104	3000	0005	0.011	1.980	0.550	2500.049	2502.590
2	JIM BEAM BRANDS CO	104	3000	0014	180.142	125.328	9.188	1993.103	2307.761
3	JIM BEAM BRANDS CO	104	0440	0005	72.543	38.822	5.327	2137.297	2253.989
4	JOSEPH SEAGRAM & SONS INC	104	0440	0004	0.108	0.050	0.003	1944.956	1945.117
5	AGE INTERNATIONAL, INC.	102	1320	0009	247.495	125.680	20.644	1303.778	1697.597
6	BARTON BRANDS LTD	104	3000	0020	134.452	66.006	10.284	1174.271	1385.013
7	BOULEVARD DISTILLERS	102	0060	0003	88.986	27.689	4.899	780.414	901.988
8	JAMES B BEAM DISTILLING CO	102	1320	0003	34.774	15.703	1.352	733.083	784.912
9	MEDLEY DISTILLING CO	077	0920	0042	363.339	47.257	3.197	216.887	630.680
10	JAMES B BEAM DISTILL CO	102	4140	0009	0.000	0.000	0.000	582.500	582.500
					1121.850	449.515	55.444	13366.338	14992.147

TABLE C.

PERMIT FEES GENERATED USING 1991 KYEIS ACTUAL EMISSIONS DATA
 SOURCES 25 TONS OR AGGREGATE 25 TONS OF EMISSIONS OR GREATER
 POLLUTANTS SUBJECT TO THE FEE ARE NO2, PM10, SO2, AND VOC
 DISTILLERIES CHARGED FOR FISCAL YEAR 1992-1993 \$9.51 PER TON
 THE NEW EMISSION FACTOR WAS USED TO OBTAIN THE \$9.51 CHARGE

16:49 FRIDAY, SEPTEMBER 11, 1992

OBS	CONAME	AQCR	COUNTYID	PLANTID	SO2 TONS	NO2 TONS	PM10 TONS	VOC TONS	TOTAL TONS	TOTAL COST
1	JIM BEAM BRANDS CO	104	3000	0014	180.142	125.328	9.188	1947.844	2262.502	21516.40
2	HEAVEN HILL DISTILLERIES	104	3000	0005	0.011	1.980	0.550	1900.049	1902.590	18093.63
3	JIM BEAM BRANDS CO	104	0440	0005	72.543	38.822	5.327	1626.191	1742.883	16574.82
4	JOSEPH SHAGRAM & SONS INC	104	0440	0004	0.108	0.050	0.003	1478.167	1478.328	14058.91
5	AGE INTERNATIONAL, INC.	102	1320	0009	247.495	125.680	20.644	991.001	1384.820	13169.64
6	BARTON BRANDS LTD	104	3000	0020	134.452	66.006	10.284	892.526	1103.268	10492.08
7	BOULEVARD DISTILLERS	102	0060	0003	88.986	27.689	4.899	593.961	715.535	6804.74
8	JAMES B BEAM DISTILLING CO	102	1320	0003	34.774	15.703	1.352	557.163	608.992	5791.52
9	MEDLEY DISTILLING CO	077	0920	0042	363.339	47.257	3.197	164.891	578.684	5503.27
10	JAMES B BEAM DISTILL CO	102	4140	0009	0.000	0.000	0.000	442.700	442.700	4210.08
					1121.850	448.515	55.444	10594.493	12220.302	116215.09