KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
NO2 PROCESS LEVEL EMISSIONS PER YEAR (NTPY) AND SUMMER DAY (NTND)

---------- POLLN=NO2 AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00106 MASAINAME=TN Gas Pipeline - Station 114 ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
224	NO2	2101900106	019	00106	004	1	20200202	1.000000000000	0	80	1.000000000000	N
225	NO2	2101900106	019	00106	004	2	20200202	1.000000000000	0	80	1.000000000000	N
226	NO2	2101900106	019	00106	004	3	20200202	1.000000000000	0	80	1.000000000000	N
227	NO2	2101900106	019	00106	004	4	20200202	1.000000000000	0	80	1.000000000000	N
228	NO2	2101900106	019	00106	004	5	20200202	1.000000000000	0	80	1.000000000000	N
229	NO2	2101900106	019	00106	004	6	20200202	1.000000000000	0	80	1.000000000000	N
230	NO2	2101900106	019	00106	004	7	20200202	1.000000000000	0	80	1.000000000000	N
231	NO2	2101900106	019	00106	005	1	20200201	1.000000000000	0	80	1.000000000000	N
232	NO2	2101900106	019	00106	005	2	20200201	1.000000000000	0	80	1.000000000000	N
233	NO2	2101900106	019	00106	005	3	20200201	1.000000000000	0	80	1.000000000000	N

MASAINAME
plant_id
COUNTYN

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	NPROD	EF	NATNY	NATND
224	N	1	1	0.2700	F	0	7	52	0	4021.000000000000	0.54	0.00
225	N	1	1	0.0849	F	0	7	52	0	4021.000000000000	0.17	0.00
226	N	1	1	0.1252	F	0	7	52	0	4021.000000000000	0.25	0.00
227	N	1	1	0.1402	F	0	7	52	0	4021.000000000000	0.28	0.00
228	N	1	1	0.3521	F	0	7	52	0	4021.000000000000	0.71	0.00
229	N	1	1	0.3164	F	0	7	52	0	1404.000000000000	0.22	0.00
230	N	1	1	0.3164	F	0	7	52	0	1404.000000000000	0.22	0.00
231	N	1	1	0.0000	F	25	7	52	0	755.168000000000	0.00	0.00
232	N	1	1	0.0000	F	25	7	52	0	361.222000000000	0.00	0.00
233	N	1	1	0.0000	F	25	7	52	0	361.222000000000	0.00	0.00
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MASAINAME											2.39	0.00
plant_id											2.39	0.00
COUNTYN											5359.75	16.17

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
NO2 PROCESS LEVEL EMISSIONS PER YEAR (NTPY) AND SUMMER DAY (NTND)

---------- POLLN=NO2 AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00106 MASAINAME=TN Gas Pipeline - Station 114 ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
---												
cnty_code												
AREA												
POLLN												

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	NPROD	EF	NATNY	NATND
---											---	---
cnty_code											5359.75	16.17
AREA											5359.75	16.17
POLLN											5359.75	16.17
											==========	==========
											5359.75	16.17

2002 VOC Point Source Emissions for Boyd County

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
1	VOC	2101900004	019	00004	001	1	30600103	1.000000000000	0	80	1.000000000000	N
2	VOC	2101900004	019	00004	001	2	30600104	1.000000000000	0	80	1.000000000000	N
3	VOC	2101900004	019	00004	002	1	30600105	1.000000000000	0	80	1.000000000000	N
4	VOC	2101900004	019	00004	003	1	10200701	1.000000000000	0	80	1.000000000000	N
5	VOC	2101900004	019	00004	004	1	30600103	1.000000000000	0	80	1.000000000000	N
6	VOC	2101900004	019	00004	004	2	30600104	1.000000000000	0	80	1.000000000000	N
7	VOC	2101900004	019	00004	005	1	30600103	1.000000000000	0	80	1.000000000000	N
8	VOC	2101900004	019	00004	005	2	30600104	1.000000000000	0	80	1.000000000000	N
9	VOC	2101900004	019	00004	006	1	30600103	1.000000000000	0	80	1.000000000000	N
10	VOC	2101900004	019	00004	006	2	30600104	1.000000000000	0	80	1.000000000000	N
11	VOC	2101900004	019	00004	007	1	30600104	1.000000000000	0	80	1.000000000000	N
12	VOC	2101900004	019	00004	007	2	30600103	1.000000000000	0	80	1.000000000000	N
13	VOC	2101900004	019	00004	008	1	30600103	1.000000000000	0	80	1.000000000000	N
14	VOC	2101900004	019	00004	008	2	30600104	1.000000000000	0	80	1.000000000000	N
15	VOC	2101900004	019	00004	009	1	30600104	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
1	N	1	1	0	F	0	7	52	0.00000	0.300000000000	0.00	0.00
2	N	1	1	20	F	0	7	52	0.00000	2.800000000000	0.03	0.00
3	N	1	1	508	F	32	7	52	1.78637	6.000000000000	1.52	0.01
4	N	1	1	67	F	34	7	52	0.25033	2.800000000000	0.09	0.00
5	N	1	1	0	F	24	7	52	0.00000	0.300000000000	0.00	0.00
6	N	1	1	192	F	24	7	52	0.50637	2.800000000000	0.27	0.00
7	N	1	1	0	F	0	7	52	0.00000	0.300000000000	0.00	0.00
8	N	1	1	0	F	0	7	52	0.00000	2.800000000000	0.00	0.00
9	N	1	1	0	F	0	7	52	0.00000	0.300000000000	0.00	0.00
10	N	1	1	0	F	0	7	52	0.00000	2.800000000000	0.00	0.00
11	N	1	1	475	F	33	7	52	1.72253	2.800000000000	0.67	0.00
12	N	1	1	0	F	33	7	52	0.00000	0.300000000000	0.00	0.00
13	N	1	1	0	F	28	7	52	0.00000	0.300000000000	0.00	0.00
14	N	1	1	621	F	28	7	52	1.91077	2.800000000000	0.87	0.00
15	N	1	1	2	F	25	7	52	0.00549	2.800000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
16	VOC	2101900004	019	00004	010	1	30600104	1.000000000000	0	80	1.000000000000	N
17	VOC	2101900004	019	00004	011	1	10200401	1.000000000000	.	80	1.000000000000	N
18	VOC	2101900004	019	00004	011	2	10200701	1.000000000000	.	80	1.000000000000	N
19	VOC	2101900004	019	00004	012	1	10200401	1.000000000000	0	80	1.000000000000	N
20	VOC	2101900004	019	00004	012	2	10200701	1.000000000000	0	80	1.000000000000	N
21	VOC	2101900004	019	00004	013	1	30600104	1.000000000000	0	80	1.000000000000	N
22	VOC	2101900004	019	00004	014	1	30600104	1.000000000000	0	80	1.000000000000	N
23	VOC	2101900004	019	00004	014	2	30600103	1.000000000000	0	80	1.000000000000	N
24	VOC	2101900004	019	00004	015	1	30600104	1.000000000000	0	80	1.000000000000	N
25	VOC	2101900004	019	00004	015	2	30600103	1.000000000000	0	80	1.000000000000	N
26	VOC	2101900004	019	00004	016	1	30600104	1.000000000000	0	80	1.000000000000	N
27	VOC	2101900004	019	00004	016	2	30600103	1.000000000000	0	80	1.000000000000	N
28	VOC	2101900004	019	00004	017	1	30600104	1.000000000000	0	80	1.000000000000	N
29	VOC	2101900004	019	00004	018	1	30600103	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
16	N	1	1	2	F	25	7	52	0.00549	2.800000000000	0.00	0.00
17	N	1	1	.	Y	.	.	.	0.00000	.	0.00	0.00
18	N	1	1	.	Y	.	.	.	0.94648	.	0.45	0.00
19	N	1	1	0	F	19	7	52	0.00000	0.280000000000	0.00	0.00
20	N	1	1	354	F	19	7	52	0.73912	2.800000000000	0.50	0.00
21	N	1	1	112	F	29	7	52	0.35692	2.800000000000	0.16	0.00
22	N	1	1	88	F	27	7	52	0.26110	2.800000000000	0.12	0.00
23	N	1	1	0	F	27	7	52	0.00000	0.300000000000	0.00	0.00
24	N	1	1	177	F	24	7	40	0.60686	2.800000000000	0.25	0.00
25	N	1	1	0	F	24	7	40	0.00000	0.300000000000	0.00	0.00
26	N	1	1	347	F	29	7	52	1.10582	2.800000000000	0.49	0.00
27	N	1	1	0	F	29	7	52	0.00000	0.300000000000	0.00	0.00
28	N	1	1	142	F	27	7	52	0.42132	2.800000000000	0.20	0.00
29	N	1	1	0	F	27	7	52	0.00000	0.300000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
30	VOC	2101900004	019	00004	018	2	30600104	1.000000000000	0	80	1.000000000000	N
31	VOC	2101900004	019	00004	019	1	30600104	1.000000000000	0	80	1.000000000000	N
32	VOC	2101900004	019	00004	020	1	30600104	1.000000000000	0	80	1.000000000000	N
33	VOC	2101900004	019	00004	021	1	30600104	1.000000000000	0	80	1.000000000000	N
34	VOC	2101900004	019	00004	022	1	30600104	1.000000000000	0	80	1.000000000000	N
35	VOC	2101900004	019	00004	023	1	30600104	1.000000000000	0	80	1.000000000000	N
36	VOC	2101900004	019	00004	024	1	30600103	1.000000000000	0	80	1.000000000000	N
37	VOC	2101900004	019	00004	024	2	30600104	1.000000000000	0	80	1.000000000000	N
38	VOC	2101900004	019	00004	025	1	30600103	1.000000000000	0	80	1.000000000000	N
39	VOC	2101900004	019	00004	025	2	30600104	1.000000000000	0	80	1.000000000000	N
40	VOC	2101900004	019	00004	026	1	30600103	1.000000000000	0	80	1.000000000000	N
41	VOC	2101900004	019	00004	026	2	30600104	1.000000000000	0	80	1.000000000000	N
42	VOC	2101900004	019	00004	027	1	30600103	1.000000000000	0	80	1.000000000000	N
43	VOC	2101900004	019	00004	027	2	30600104	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
30	N	1	1	69	F	27	7	52	0.20473	2.800000000000	0.10	0.00
31	N	1	1	0	F	0	7	52	0.00000	2.800000000000	0.00	0.00
32	N	1	1	0	F	0	7	44	0.00000	2.800000000000	0.00	0.00
33	N	1	1	0	F	0	7	44	0.00000	2.800000000000	0.00	0.00
34	N	1	1	0	F	0	7	44	0.00000	2.800000000000	0.00	0.00
35	N	1	1	0	F	0	7	44	0.00000	2.800000000000	0.00	0.00
36	N	1	1	0	F	28	7	52	0.00000	0.300000000000	0.00	0.00
37	N	1	1	342	F	28	7	52	1.05231	2.800000000000	0.48	0.00
38	N	1	1	0	F	30	7	52	0.00000	0.300000000000	0.00	0.00
39	N	1	1	143	F	30	7	52	0.47143	2.800000000000	0.20	0.00
40	N	1	1	0	F	25	7	52	0.00000	0.300000000000	0.00	0.00
41	N	1	1	558	F	25	7	52	1.53297	2.800000000000	0.78	0.00
42	N	1	1	0	F	26	7	52	0.00000	0.300000000000	0.00	0.00
43	N	1	1	133	F	26	7	52	0.38000	2.800000000000	0.19	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
44	VOC	2101900004	019	00004	028	1	30600103	1.000000000000	0	80	1.000000000000	N
45	VOC	2101900004	019	00004	028	2	30600104	1.000000000000	0	80	1.000000000000	N
46	VOC	2101900004	019	00004	029	1	30600104	1.000000000000	0	80	1.000000000000	N
47	VOC	2101900004	019	00004	029	2	30600103	1.000000000000	0	80	1.000000000000	N
48	VOC	2101900004	019	00004	029	3	30600813	1.000000000000	0	80	1.000000000000	N
49	VOC	2101900004	019	00004	029	4	30600818	1.000000000000	0	80	1.000000000000	N
50	VOC	2101900004	019	00004	029	5	30600816	1.000000000000	0	80	1.000000000000	N
51	VOC	2101900004	019	00004	030	1	30600104	1.000000000000	0	80	1.000000000000	N
52	VOC	2101900004	019	00004	031	1	30600104	1.000000000000	0	80	1.000000000000	N
53	VOC	2101900004	019	00004	031	2	30180002	1.000000000000	0	80	1.000000000000	N
54	VOC	2101900004	019	00004	031	3	30180004	1.000000000000	0	80	1.000000000000	N
55	VOC	2101900004	019	00004	031	4	30180007	1.000000000000	0	80	1.000000000000	N
56	VOC	2101900004	019	00004	032	1	30600103	1.000000000000	0	80	1.000000000000	N
57	VOC	2101900004	019	00004	032	2	30600104	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
44	N	1	1	0	F	24	7	52	0.00000	0.300000000000	0.00	0.00
45	N	1	1	469	F	24	7	52	1.23692	2.800000000000	0.66	0.00
46	N	1	1	2178	F	25	7	52	5.98352	2.800000000000	3.05	0.01
47	N	1	1	0	F	25	7	52	0.00000	0.300000000000	0.00	0.00
48	N	1	1	100	F	25	7	52	0.27473	4.380000000000	0.22	0.00
49	N	1	1	2	F	25	7	52	0.00549	253.865000000000	0.25	0.00
50	N	1	1	200	F	25	7	52	0.54945	4.900000000000	0.49	0.00
51	N	1	1	398	F	28	7	52	1.22462	2.800000000000	0.56	0.00
52	N	1	1	842	F	34	7	52	3.14593	6.000000000000	2.53	0.01
53	N	1	1	64	F	34	7	52	0.23912	28.593200000000	0.91	0.00
54	N	1	1	81	F	34	7	52	0.30264	4.380000000000	0.18	0.00
55	N	1	1	255	F	34	7	52	0.95275	3.957460000000	0.50	0.00
56	N	1	1	0	F	0	7	52	0.00000	0.300000000000	0.00	0.00
57	N	1	1	0	F	0	7	52	0.00000	2.800000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
58	VOC	2101900004	019	00004	033	2	30600105	1.000000000000	0	80	1.000000000000	N
59	VOC	2101900004	019	00004	035	2	30600105	1.000000000000	0	80	1.000000000000	N
60	VOC	2101900004	019	00004	036	2	30600105	1.000000000000	0	80	1.000000000000	N
61	VOC	2101900004	019	00004	038	1	30600103	1.000000000000	0	80	1.000000000000	N
62	VOC	2101900004	019	00004	038	2	30600104	1.000000000000	0	80	1.000000000000	N
63	VOC	2101900004	019	00004	039	1	30600103	1.000000000000	0	80	1.000000000000	N
64	VOC	2101900004	019	00004	039	2	30600104	1.000000000000	0	80	1.000000000000	N
65	VOC	2101900004	019	00004	040	1	30600103	1.000000000000	0	80	1.000000000000	N
66	VOC	2101900004	019	00004	040	2	30600104	1.000000000000	0	80	1.000000000000	N
67	VOC	2101900004	019	00004	041	1	30600103	1.000000000000	0	80	1.000000000000	N
68	VOC	2101900004	019	00004	042	1	30600103	1.000000000000	0	80	1.000000000000	N
69	VOC	2101900004	019	00004	042	2	30600104	1.000000000000	0	80	1.000000000000	N
70	VOC	2101900004	019	00004	043	1	30600103	1.000000000000	0	80	1.000000000000	N
71	VOC	2101900004	019	00004	043	2	30600104	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
58	N	1	1	606	F	40	7	52	2.664	6.000000000000	1.82	0.01
59	N	1	1	1221	F	32	7	52	4.294	6.000000000000	3.66	0.01
60	N	1	1	1243	F	31	7	52	4.234	6.000000000000	3.73	0.01
61	N	1	1	0	F	0	7	52	0.000	0.300000000000	0.00	0.00
62	N	1	1	0	F	0	7	52	0.000	2.800000000000	0.00	0.00
63	N	1	1	0	F	0	7	52	0.000	0.300000000000	0.00	0.00
64	N	1	1	0	F	0	7	52	0.000	2.800000000000	0.00	0.00
65	N	1	1	0	F	0	7	52	0.000	0.300000000000	0.00	0.00
66	N	1	1	0	F	0	7	52	0.000	2.800000000000	0.00	0.00
67	N	1	1	0	F	30	7	52	0.000	0.300000000000	0.00	0.00
68	N	1	1	0	F	26	7	52	0.000	0.300000000000	0.00	0.00
69	N	1	1	124	F	26	7	52	0.354	2.800000000000	0.17	0.00
70	N	1	1	0	F	25	7	52	0.000	0.300000000000	0.00	0.00
71	N	1	1	131	F	25	7	52	0.360	2.800000000000	0.18	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
72	VOC	2101900004	019	00004	044	1	30600103	1.000000000000	0.0	80	1.000000000000	N
73	VOC	2101900004	019	00004	044	2	30600104	1.000000000000	0.0	80	1.000000000000	N
74	VOC	2101900004	019	00004	045	1	30600103	1.000000000000	0.0	80	1.000000000000	N
75	VOC	2101900004	019	00004	045	2	30600104	1.000000000000	0.0	80	1.000000000000	N
76	VOC	2101900004	019	00004	047	1	30600105	1.000000000000	0.0	80	1.000000000000	N
77	VOC	2101900004	019	00004	048	1	30600104	1.000000000000	0.0	80	1.000000000000	N
78	VOC	2101900004	019	00004	049	1	30600104	1.000000000000	0.0	80	1.000000000000	N
79	VOC	2101900004	019	00004	050	1	30600104	1.000000000000	0.0	80	1.000000000000	N
80	VOC	2101900004	019	00004	050	2	30600104	1.000000000000	0.0	80	1.000000000000	N
81	VOC	2101900004	019	00004	051	1	30600104	1.000000000000	0.0	80	1.000000000000	N
82	VOC	2101900004	019	00004	052	1	30600104	1.000000000000	0.0	80	1.000000000000	N
83	VOC	2101900004	019	00004	052	2	30600104	1.000000000000	0.0	80	1.000000000000	N
84	VOC	2101900004	019	00004	053	2	30600105	1.000000000000	0.0	80	1.000000000000	N
85	VOC	2101900004	019	00004	054	2	30600105	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
72	N	1	1	0	F	28	7	52	0.000	0.300000000000	0.00	0.00
73	N	1	1	625	F	28	7	52	1.923	2.800000000000	0.88	0.00
74	N	1	1	0	F	26	7	52	0.000	0.300000000000	0.00	0.00
75	N	1	1	21	F	26	7	52	0.060	2.800000000000	0.03	0.00
76	N	1	1	340	F	31	7	52	1.158	6.000000000000	1.02	0.00
77	N	1	1	0	F	0	7	52	0.000	2.800000000000	0.00	0.00
78	N	1	1	618	F	30	7	52	2.037	2.800000000000	0.87	0.00
79	N	1	1	751	F	31	7	52	2.558	2.800000000000	1.05	0.00
80	N	1	1	0	F	31	7	52	0.000	2.800000000000	0.00	0.00
81	N	1	1	1038	F	32	7	52	3.650	2.800000000000	1.45	0.01
82	N	1	1	537	F	31	7	52	1.829	2.800000000000	0.75	0.00
83	N	1	1	212	F	31	7	52	0.722	2.800000000000	0.30	0.00
84	N	1	1	154	F	33	7	52	0.558	6.000000000000	0.46	0.00
85	N	1	1	190	F	35	7	52	0.731	6.000000000000	0.57	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
86	VOC	2101900004	019	00004	055	2	30600105	1.000000000000	0.0	80	1.000000000000	N
87	VOC	2101900004	019	00004	056	1	30600105	1.000000000000	0.0	80	1.000000000000	N
88	VOC	2101900004	019	00004	057	1	30600105	1.000000000000	0.0	80	1.000000000000	N
89	VOC	2101900004	019	00004	058	1	30600104	1.000000000000	0.0	80	1.000000000000	N
90	VOC	2101900004	019	00004	058	2	30103202	1.000000000000	0.0	80	1.000000000000	N
91	VOC	2101900004	019	00004	060	1	10200401	1.000000000000	0.0	80	1.000000000000	N
92	VOC	2101900004	019	00004	060	2	10200701	1.000000000000	0.0	80	1.000000000000	N
93	VOC	2101900004	019	00004	061	1	10200401	1.000000000000	0.0	80	1.000000000000	N
94	VOC	2101900004	019	00004	061	2	10200701	1.000000000000	0.0	80	1.000000000000	N
95	VOC	2101900004	019	00004	062	1	10200401	1.000000000000	0.0	80	1.000000000000	N
96	VOC	2101900004	019	00004	062	2	10200701	1.000000000000	0.0	80	1.000000000000	N
97	VOC	2101900004	019	00004	063	1	10200401	1.000000000000	0.0	80	1.000000000000	N
98	VOC	2101900004	019	00004	063	2	10200701	1.000000000000	0.0	80	1.000000000000	N
99	VOC	2101900004	019	00004	064	1	30600201	1.000000000000	99.5	80	0.204000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
86	N	1	1	309	F	32	7	52	1.087	6.000000000000	0.93	0.00
87	N	1	1	701	F	30	7	52	2.311	6.000000000000	2.10	0.01
88	N	1	1	669	F	28	7	52	2.058	6.000000000000	2.01	0.01
89	N	1	1	112	F	23	7	52	0.283	2.800000000000	0.16	0.00
90	N	1	1	43724	F	23	7	52	110.511	0.000000000000	0.00	0.00
91	N	1	1	0	F	0	7	26	0.000	0.280000000000	0.00	0.00
92	N	1	1	0	F	0	7	26	0.000	2.800000000000	0.00	0.00
93	N	1	1	0	F	26	7	52	0.000	0.300000000000	0.00	0.00
94	N	1	1	2024	F	26	7	52	5.783	2.800000000000	2.83	0.01
95	N	1	1	0	F	26	7	52	0.000	0.300000000000	0.00	0.00
96	N	1	1	442	F	26	7	52	1.263	2.800000000000	0.62	0.00
97	N	1	1	0	F	23	7	52	0.000	0.280000000000	0.00	0.00
98	N	1	1	432	F	23	7	52	1.092	2.800000000000	0.60	0.00
99	N	1	1	1053	F	0	7	52	0.000	140.800000000000	15.12	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
100	VOC	2101900004	019	00004	064	2	10200401	1.000000000000	99.5	80	0.204000000000	N
101	VOC	2101900004	019	00004	064	3	10200601	1.000000000000	99.5	80	0.204000000000	N
102	VOC	2101900004	019	00004	065	1	30600103	1.000000000000	0.0	80	1.000000000000	N
103	VOC	2101900004	019	00004	065	2	30600104	1.000000000000	0.0	80	1.000000000000	N
104	VOC	2101900004	019	00004	065	3	30600811	1.000000000000	0.0	80	1.000000000000	N
105	VOC	2101900004	019	00004	066	1	30600104	1.000000000000	.	80	1.000000000000	N
106	VOC	2101900004	019	00004	068	1	30699999	1.000000000000	0.0	80	1.000000000000	N
107	VOC	2101900004	019	00004	069	1	30600104	1.000000000000	0.0	80	1.000000000000	N
108	VOC	2101900004	019	00004	072	1	30600104	1.000000000000	0.0	80	1.000000000000	N
109	VOC	2101900004	019	00004	087	2	39999992	1.000000000000	0.0	80	1.000000000000	N
110	VOC	2101900004	019	00004	087	3	39000489	1.000000000000	0.0	80	1.000000000000	N
111	VOC	2101900004	019	00004	092	1	30103202	1.000000000000	0.0	80	1.000000000000	N
112	VOC	2101900004	019	00004	092	2	10200602	1.000000000000	0.0	80	1.000000000000	N
113	VOC	2101900004	019	00004	093	1	30699999	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
100	N	1	1	0	F	0	7	52	0.000	0.760000000000	0.00	0.00
101	N	1	1	404	F	0	7	52	0.000	1.400000000000	0.06	0.00
102	N	1	1	0	F	25	7	52	0.000	0.300000000000	0.00	0.00
103	N	1	1	553	F	25	7	52	1.519	2.800000000000	0.77	0.00
104	N	1	1	3	F	25	7	52	0.008	47.304000000000	0.07	0.00
105	N	1	1	.	Y	.	.	.	0.000	.	0.06	0.00
106	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
107	N	1	1	0	F	0	2	52	0.000	2.800000000000	0.00	0.00
108	N	1	1	500	F	30	7	52	1.648	2.800000000000	0.70	0.00
109	N	1	1	0	F	0	1	1	0.000	366.700000000000	0.00	0.00
110	N	1	1	274	F	0	1	1	0.000	0.280000000000	0.04	0.00
111	N	1	1	43724	F	26	7	52	124.926	0.000000000000	0.00	0.00
112	N	1	1	130	F	26	7	52	0.371	2.800000000000	0.18	0.00
113	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
114	VOC	2101900004	019	00004	094	1	30600106	1.000000000000	0	80	1.000000000000	N
115	VOC	2101900004	019	00004	095	1	30600105	1.000000000000	0	80	1.000000000000	N
116	VOC	2101900004	019	00004	096	1	30600105	1.000000000000	0	80	1.000000000000	N
117	VOC	2101900004	019	00004	097	1	30600105	1.000000000000	0	80	1.000000000000	N
118	VOC	2101900004	019	00004	0AB	1	40701611	1.000000000000	0	80	1.000000000000	N
119	VOC	2101900004	019	00004	0AB	2	40701612	1.000000000000	0	80	1.000000000000	N
120	VOC	2101900004	019	00004	0AC	1	40701611	1.000000000000	0	80	1.000000000000	N
121	VOC	2101900004	019	00004	0AC	2	40701612	1.000000000000	0	80	1.000000000000	N
122	VOC	2101900004	019	00004	0AD	1	40703615	1.000000000000	0	80	1.000000000000	N
123	VOC	2101900004	019	00004	0AD	2	40703616	1.000000000000	0	80	1.000000000000	N
124	VOC	2101900004	019	00004	0AE	1	40703615	1.000000000000	0	80	1.000000000000	N
125	VOC	2101900004	019	00004	0AE	2	40703616	1.000000000000	0	80	1.000000000000	N
126	VOC	2101900004	019	00004	0AF	1	40301150	1.000000000000	0	80	1.000000000000	N
127	VOC	2101900004	019	00004	0AF	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
114	N	1	1	211	F	26	7	52	0.603	2.800000000000	0.30	0.00
115	N	1	1	219	F	29	7	52	0.698	6.000000000000	0.66	0.00
116	N	1	1	220	F	28	7	52	0.677	6.000000000000	0.66	0.00
117	N	1	1	684	F	30	7	52	2.255	6.000000000000	2.05	0.01
118	N	1	1	40	F	26	7	52	0.114	5.423660000000	0.11	0.00
119	N	1	1	3229	F	26	7	52	9.226	0.415930000000	0.67	0.00
120	N	1	1	40	F	68	7	52	0.299	5.423660000000	0.11	0.00
121	N	1	1	26	F	68	7	52	0.194	0.418990000000	0.01	0.00
122	N	1	1	40	F	26	7	52	0.114	82.760000000000	1.66	0.00
123	N	1	1	2224	F	26	7	52	6.354	7.640000000000	8.50	0.02
124	N	1	1	40	F	100	7	52	0.440	82.760000000000	1.66	0.02
125	N	1	1	14	F	100	7	52	0.154	0.601900000000	0.00	0.00
126	N	1	1	210	F	28	7	52	0.646	0.273000000000	0.03	0.00
127	N	1	1	14474	F	28	7	52	44.535	0.008210000000	0.06	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
128	VOC	2101900004	019	00004	0AG	1	40729697	1.000000000000	0	80	1.000000000000	N
129	VOC	2101900004	019	00004	0AG	2	40301197	1.000000000000	0	80	1.000000000000	N
130	VOC	2101900004	019	00004	0AH	1	40729697	1.000000000000	0	80	1.000000000000	N
131	VOC	2101900004	019	00004	0AH	2	40301197	1.000000000000	0	80	1.000000000000	N
132	VOC	2101900004	019	00004	0AI	1	40714697	1.000000000000	0	80	1.000000000000	N
133	VOC	2101900004	019	00004	0AI	2	40714698	1.000000000000	0	80	1.000000000000	N
134	VOC	2101900004	019	00004	0AJ	1	40714697	1.000000000000	0	80	1.000000000000	N
135	VOC	2101900004	019	00004	0AJ	2	40714698	1.000000000000	0	80	1.000000000000	N
136	VOC	2101900004	019	00004	0AK	1	40714697	1.000000000000	0	80	1.000000000000	N
137	VOC	2101900004	019	00004	0AK	2	40714698	1.000000000000	0	80	1.000000000000	N
138	VOC	2101900004	019	00004	0AL	1	40714697	1.000000000000	0	80	1.000000000000	N
139	VOC	2101900004	019	00004	0AL	2	40714698	1.000000000000	0	80	1.000000000000	N
140	VOC	2101900004	019	00004	0AL	3	30600812	1.000000000000	0	80	1.000000000000	N
141	VOC	2101900004	019	00004	0AL	4	30600816	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
128	N	1	1	210	F	35	7	52	0.808	0.272990000000	0.03	0.00
129	N	1	1	27794	F	35	7	52	106.900	0.008210000000	0.11	0.00
130	N	1	1	2268	F	34	7	52	8.474	0.058440000000	0.07	0.00
131	N	1	1	70148	F	34	7	52	262.091	0.002700000000	0.09	0.00
132	N	1	1	145	F	26	7	52	0.414	1.308850000000	0.09	0.00
133	N	1	1	1428	F	26	7	52	4.080	0.044270000000	0.03	0.00
134	N	1	1	145	F	29	7	52	0.462	4.606550000000	0.33	0.00
135	N	1	1	1573	F	29	7	52	5.013	0.301050000000	0.24	0.00
136	N	1	1	143	F	33	7	52	0.519	3.689000000000	0.26	0.00
137	N	1	1	12182	F	33	7	52	44.176	0.064800000000	0.39	0.00
138	N	1	1	143	F	28	7	52	0.440	1.100000000000	0.08	0.00
139	N	1	1	16959	F	28	7	52	52.182	0.009190000000	0.08	0.00
140	N	1	1	25	F	28	7	52	0.077	4.360000000000	0.05	0.00
141	N	1	1	100	F	28	7	52	0.308	4.883200000000	0.24	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
142	VOC	2101900004	019	00004	0AP	1	40714697	1.000000000000	0	80	1.000000000000	N
143	VOC	2101900004	019	00004	0AP	2	40714698	1.000000000000	0	80	1.000000000000	N
144	VOC	2101900004	019	00004	0AP	3	30600106	1.000000000000	0	80	1.000000000000	N
145	VOC	2101900004	019	00004	0AP	4	30600811	1.000000000000	0	80	1.000000000000	N
146	VOC	2101900004	019	00004	0AP	5	30600816	1.000000000000	0	80	1.000000000000	N
147	VOC	2101900004	019	00004	0AQ	1	40714697	1.000000000000	0	80	1.000000000000	N
148	VOC	2101900004	019	00004	0AQ	2	40714698	1.000000000000	0	80	1.000000000000	N
149	VOC	2101900004	019	00004	0AR	1	30600812	1.000000000000	0	80	1.000000000000	N
150	VOC	2101900004	019	00004	0AR	2	30600816	1.000000000000	0	80	1.000000000000	N
151	VOC	2101900004	019	00004	0AS	3	30199998	1.000000000000	0	80	1.000000000000	N
152	VOC	2101900004	019	00004	0AT	1	40714697	1.000000000000	0	80	1.000000000000	N
153	VOC	2101900004	019	00004	0AT	2	40714698	1.000000000000	0	80	1.000000000000	N
154	VOC	2101900004	019	00004	0AU	1	40729697	1.000000000000	0	80	1.000000000000	N
155	VOC	2101900004	019	00004	0AU	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
142	N	1	1	3398	F	26	7	52	9.709	0.000070000000	0.00	0.00
143	N	1	1	58607	F	26	7	52	167.449	0.000000000000	0.00	0.00
144	N	1	1	8	F	26	7	52	0.023	5.500000000000	0.02	0.00
145	N	1	1	7	F	26	7	52	0.020	0.001850000000	0.00	0.00
146	N	1	1	7	F	26	7	52	0.020	0.000551000000	0.00	0.00
147	N	1	1	1015	F	0	7	52	0.000	0.000080000000	0.00	0.00
148	N	1	1	6	F	0	7	52	0.000	0.000000000000	0.00	0.00
149	N	1	1	25	F	25	7	52	0.069	4.360000000000	0.05	0.00
150	N	1	1	100	F	25	7	52	0.275	4.883200000000	0.24	0.00
151	N	1	1	10795	F	20	7	52	23.725	0.012720000000	0.07	0.00
152	N	1	1	504	F	0	7	52	0.000	0.000010000000	0.00	0.00
153	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
154	N	1	1	2520	F	38	7	52	10.523	0.628360000000	0.79	0.00
155	N	1	1	17398	F	38	7	52	72.651	0.002420000000	0.02	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
156	VOC	2101900004	019	00004	0AV	1	40301198	1.000000000000	0	80	1.000000000000	N
157	VOC	2101900004	019	00004	0AV	2	40301197	1.000000000000	0	80	1.000000000000	N
158	VOC	2101900004	019	00004	0BB	1	40714697	1.000000000000	0	80	1.000000000000	N
159	VOC	2101900004	019	00004	0BB	2	40714698	1.000000000000	0	80	1.000000000000	N
160	VOC	2101900004	019	00004	0BC	1	40714697	1.000000000000	0	80	1.000000000000	N
161	VOC	2101900004	019	00004	0BC	2	40714698	1.000000000000	0	80	1.000000000000	N
162	VOC	2101900004	019	00004	0BD	1	40714697	1.000000000000	0	80	1.000000000000	N
163	VOC	2101900004	019	00004	0BD	2	40714698	1.000000000000	0	80	1.000000000000	N
164	VOC	2101900004	019	00004	0BJ	1	40714697	1.000000000000	0	80	1.000000000000	N
165	VOC	2101900004	019	00004	0BJ	2	40714698	1.000000000000	0	80	1.000000000000	N
166	VOC	2101900004	019	00004	0BK	1	40714697	1.000000000000	0	80	1.000000000000	N
167	VOC	2101900004	019	00004	0BK	2	40714698	1.000000000000	0	80	1.000000000000	N
168	VOC	2101900004	019	00004	0BL	1	40714697	1.000000000000	0	80	1.000000000000	N
169	VOC	2101900004	019	00004	0BL	2	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
156	N	1	1	1806	F	37	7	52	7.343	1.294550000000	1.17	0.00
157	N	1	1	12871	F	37	7	52	52.333	0.002850000000	0.02	0.00
158	N	1	1	4045	F	21	7	52	9.335	0.000070000000	0.00	0.00
159	N	1	1	95638	F	21	7	52	220.703	0.000000000000	0.00	0.00
160	N	1	1	210	F	0	7	52	0.000	15.084300000000	1.58	0.00
161	N	1	1	0	F	0	7	52	0.000	2.759040000000	0.00	0.00
162	N	1	1	147	F	0	7	52	0.000	0.000020000000	0.00	0.00
163	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
164	N	1	1	76	F	0	7	52	0.000	3.825490000000	0.15	0.00
165	N	1	1	5	F	0	7	52	0.000	0.118450000000	0.00	0.00
166	N	1	1	76	F	0	7	52	0.000	3.825490000000	0.15	0.00
167	N	1	1	0	F	0	7	52	0.000	0.118450000000	0.00	0.00
168	N	1	1	118	F	37	7	52	0.480	1.927050000000	0.11	0.00
169	N	1	1	7542	F	37	7	52	30.665	0.027330000000	0.10	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
170	VOC	2101900004	019	00004	0BM	1	40714697	1.000000000000	0	80	1.000000000000	N
171	VOC	2101900004	019	00004	0BM	2	40714698	1.000000000000	0	80	1.000000000000	N
172	VOC	2101900004	019	00004	0BN	1	40714697	1.000000000000	0	80	1.000000000000	N
173	VOC	2101900004	019	00004	0BN	2	40714698	1.000000000000	0	80	1.000000000000	N
174	VOC	2101900004	019	00004	0BP	1	40714697	1.000000000000	0	80	1.000000000000	N
175	VOC	2101900004	019	00004	0BP	2	40714698	1.000000000000	0	80	1.000000000000	N
176	VOC	2101900004	019	00004	0BQ	1	40714697	1.000000000000	0	80	1.000000000000	N
177	VOC	2101900004	019	00004	0BQ	2	40714698	1.000000000000	0	80	1.000000000000	N
178	VOC	2101900004	019	00004	0BS	1	40714697	1.000000000000	0	80	1.000000000000	N
179	VOC	2101900004	019	00004	0BS	2	40714698	1.000000000000	0	80	1.000000000000	N
180	VOC	2101900004	019	00004	0BV	1	40729697	1.000000000000	0	80	1.000000000000	N
181	VOC	2101900004	019	00004	0BV	2	40301197	1.000000000000	0	80	1.000000000000	N
182	VOC	2101900004	019	00004	0BW	1	40729697	1.000000000000	0	80	1.000000000000	N
183	VOC	2101900004	019	00004	0BW	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
170	N	1	1	118	F	36	7	52	0.467	1.927050000000	0.11	0.00
171	N	1	1	7737	F	36	7	52	30.608	0.027330000000	0.11	0.00
172	N	1	1	0	F	0	7	52	0.000	0.000090000000	0.00	0.00
173	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
174	N	1	1	504	F	0	7	52	0.000	0.000000000000	0.00	0.00
175	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
176	N	1	1	56	F	0	7	52	0.000	0.001210000000	0.00	0.00
177	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
178	N	1	1	379	F	0	7	52	0.000	0.000000000000	0.00	0.00
179	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
180	N	1	1	504	F	1	7	52	0.055	1.312000000000	0.33	0.00
181	N	1	1	1360	F	1	7	52	0.149	0.008280000000	0.01	0.00
182	N	1	1	504	F	28	7	52	1.551	0.000600000000	0.00	0.00
183	N	1	1	5053	F	28	7	52	15.548	0.005580000000	0.01	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
184	VOC	2101900004	019	00004	0CA	1	40714697	1.000000000000	0	80	1.000000000000	N
185	VOC	2101900004	019	00004	0CA	2	40714698	1.000000000000	0	80	1.000000000000	N
186	VOC	2101900004	019	00004	0CB	1	40714697	1.000000000000	0	80	1.000000000000	N
187	VOC	2101900004	019	00004	0CB	2	40714698	1.000000000000	0	80	1.000000000000	N
188	VOC	2101900004	019	00004	0CC	1	40714697	1.000000000000	0	80	1.000000000000	N
189	VOC	2101900004	019	00004	0CC	2	40714698	1.000000000000	0	80	1.000000000000	N
190	VOC	2101900004	019	00004	0CD	1	40714697	1.000000000000	0	80	1.000000000000	N
191	VOC	2101900004	019	00004	0CD	2	40714698	1.000000000000	0	80	1.000000000000	N
192	VOC	2101900004	019	00004	0CF	1	40729697	1.000000000000	0	80	1.000000000000	N
193	VOC	2101900004	019	00004	0CF	2	40301197	1.000000000000	0	80	1.000000000000	N
194	VOC	2101900004	019	00004	0CG	1	40714697	1.000000000000	0	80	1.000000000000	N
195	VOC	2101900004	019	00004	0CG	2	40714698	1.000000000000	0	80	1.000000000000	N
196	VOC	2101900004	019	00004	0CH	1	40714697	1.000000000000	0	80	1.000000000000	N
197	VOC	2101900004	019	00004	0CH	2	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
184	N	1	1	210	F	26	7	52	0.600	0.002250000000	0.00	0.00
185	N	1	1	7804	F	26	7	52	22.297	0.000010000000	0.00	0.00
186	N	1	1	210	F	47	7	52	1.085	0.002250000000	0.00	0.00
187	N	1	1	1256	F	47	7	52	6.487	0.000010000000	0.00	0.00
188	N	1	1	210	F	74	7	52	1.708	0.002250000000	0.00	0.00
189	N	1	1	17738	F	74	7	52	144.243	0.000010000000	0.00	0.00
190	N	1	1	3402	F	15	7	52	5.608	0.000050000000	0.00	0.00
191	N	1	1	115258	F	15	7	52	189.986	0.000000000000	0.00	0.00
192	N	1	1	576	F	16	7	13	4.051	0.145850000000	0.04	0.00
193	N	1	1	1929	F	16	7	13	13.567	0.004880000000	0.00	0.00
194	N	1	1	3289	F	24	7	52	8.674	0.000960000000	0.00	0.00
195	N	1	1	44646	F	24	7	52	117.748	0.000010000000	0.00	0.00
196	N	1	1	315	F	22	7	52	0.762	0.000000000000	0.00	0.00
197	N	1	1	8919	F	22	7	52	21.562	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
198	VOC	2101900004	019	00004	OCI	1	40714697	1.000000000000	0	80	1.000000000000	N
199	VOC	2101900004	019	00004	OCI	2	40714698	1.000000000000	0	80	1.000000000000	N
200	VOC	2101900004	019	00004	OCJ	1	40714697	1.000000000000	0	80	1.000000000000	N
201	VOC	2101900004	019	00004	OCJ	2	40714698	1.000000000000	0	80	1.000000000000	N
202	VOC	2101900004	019	00004	OCN	1	40714697	1.000000000000	0	80	1.000000000000	N
203	VOC	2101900004	019	00004	OCN	2	40714698	1.000000000000	0	80	1.000000000000	N
204	VOC	2101900004	019	00004	OCP	1	40714697	1.000000000000	0	80	1.000000000000	N
205	VOC	2101900004	019	00004	OCP	2	40714698	1.000000000000	0	80	1.000000000000	N
206	VOC	2101900004	019	00004	OCQ	1	40714697	1.000000000000	0	80	1.000000000000	N
207	VOC	2101900004	019	00004	OCQ	2	40714698	1.000000000000	0	80	1.000000000000	N
208	VOC	2101900004	019	00004	OCV	1	40399999	1.000000000000	0	80	1.000000000000	N
209	VOC	2101900004	019	00004	OCW	1	40399999	1.000000000000	0	80	1.000000000000	N
210	VOC	2101900004	019	00004	OCX	1	40301197	1.000000000000	0	80	1.000000000000	N
211	VOC	2101900004	019	00004	OCX	2	40729697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
198	N	1	1	315	F	19	7	52	0.658	0.075350000000	0.01	0.00
199	N	1	1	9347	F	19	7	52	19.516	0.001050000000	0.00	0.00
200	N	1	1	215	F	0	7	26	0.000	1.475240000000	0.16	0.00
201	N	1	1	0	F	0	7	26	0.000	2.759040000000	0.00	0.00
202	N	1	1	56	F	11	7	52	0.068	0.000730000000	0.00	0.00
203	N	1	1	1223	F	11	7	52	1.478	0.000000000000	0.00	0.00
204	N	1	1	56	F	3	7	52	0.018	0.000730000000	0.00	0.00
205	N	1	1	1672	F	3	7	52	0.551	0.000000000000	0.00	0.00
206	N	1	1	210	F	20	7	52	0.462	0.123730000000	0.01	0.00
207	N	1	1	3116	F	20	7	52	6.848	0.001850000000	0.00	0.00
208	N	1	1	707	F	0	7	52	0.000	0.000000000000	0.00	0.00
209	N	1	1	1574	F	0	7	52	0.000	0.000000000000	0.00	0.00
210	N	1	1	3611	F	16	7	52	6.349	0.006860000000	0.01	0.00
211	N	1	1	296	F	16	7	52	0.520	3.007330000000	0.45	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
212	VOC	2101900004	019	00004	0CY	1	40301197	1.000000000000	0	80	1.000000000000	N
213	VOC	2101900004	019	00004	0CY	2	40729697	1.000000000000	0	80	1.000000000000	N
214	VOC	2101900004	019	00004	0DG	1	40301150	1.000000000000	0	80	1.000000000000	N
215	VOC	2101900004	019	00004	0DG	2	40301197	1.000000000000	0	80	1.000000000000	N
216	VOC	2101900004	019	00004	0DJ	1	40714697	1.000000000000	0	80	1.000000000000	N
217	VOC	2101900004	019	00004	0DJ	2	40714698	1.000000000000	0	80	1.000000000000	N
218	VOC	2101900004	019	00004	0DK	1	40714697	1.000000000000	0	80	1.000000000000	N
219	VOC	2101900004	019	00004	0DK	2	40714698	1.000000000000	0	80	1.000000000000	N
220	VOC	2101900004	019	00004	0DL	1	40714697	1.000000000000	0	80	1.000000000000	N
221	VOC	2101900004	019	00004	0DL	2	40714698	1.000000000000	0	80	1.000000000000	N
222	VOC	2101900004	019	00004	0DT	1	40703601	1.000000000000	0	80	1.000000000000	N
223	VOC	2101900004	019	00004	0DT	2	40703602	1.000000000000	0	80	1.000000000000	N
224	VOC	2101900004	019	00004	0DT	3	30600821	1.000000000000	0	80	1.000000000000	N
225	VOC	2101900004	019	00004	0DU	1	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
212	N	1	1	4708	F	14	7	52	7.243	0.006860000000	0.02	0.00
213	N	1	1	296	F	14	7	52	0.455	3.007330000000	0.45	0.00
214	N	1	1	508	F	33	7	52	1.842	0.396090000000	0.10	0.00
215	N	1	1	14793	F	33	7	52	53.645	0.005880000000	0.04	0.00
216	N	1	1	254	F	29	7	25	1.684	0.000010000000	0.00	0.00
217	N	1	1	7179	F	29	7	25	47.587	0.000000000000	0.00	0.00
218	N	1	1	210	F	0	7	52	0.000	0.000000000000	0.00	0.00
219	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
220	N	1	1	2831	F	55	7	13	68.442	0.000010000000	0.00	0.00
221	N	1	1	24052	F	55	7	13	581.477	0.000000000000	0.00	0.00
222	N	1	1	1420	F	34	7	52	5.305	0.712470000000	0.51	0.00
223	N	1	1	32199	F	34	7	52	120.304	0.003340000000	0.05	0.00
224	N	1	1	1	F	34	7	52	0.004	306.600000000000	0.15	0.00
225	N	1	1	2808	F	76	7	26	46.903	0.000070000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
226	VOC	2101900004	019	00004	0DU	2	40714698	1.000000000000	0	80	1.000000000000	N
227	VOC	2101900004	019	00004	0DV	1	40714697	1.000000000000	0	80	1.000000000000	N
228	VOC	2101900004	019	00004	0DV	2	40714698	1.000000000000	0	80	1.000000000000	N
229	VOC	2101900004	019	00004	0DY	1	40714697	1.000000000000	0	80	1.000000000000	N
230	VOC	2101900004	019	00004	0DY	2	40714698	1.000000000000	0	80	1.000000000000	N
231	VOC	2101900004	019	00004	0EB	1	40714697	1.000000000000	0	80	1.000000000000	N
232	VOC	2101900004	019	00004	0EB	2	40714698	1.000000000000	0	80	1.000000000000	N
233	VOC	2101900004	019	00004	0EM	1	40301010	1.000000000000	0	80	1.000000000000	N
234	VOC	2101900004	019	00004	0EN	1	40301010	1.000000000000	0	80	1.000000000000	N
235	VOC	2101900004	019	00004	0EP	1	40714697	1.000000000000	0	80	1.000000000000	N
236	VOC	2101900004	019	00004	0EP	2	40714698	1.000000000000	0	80	1.000000000000	N
237	VOC	2101900004	019	00004	0EU	1	40714697	1.000000000000	0	80	1.000000000000	N
238	VOC	2101900004	019	00004	0EU	2	40714698	1.000000000000	0	80	1.000000000000	N
239	VOC	2101900004	019	00004	0EV	1	30600812	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
226	N	1	1	23590	F	76	7	26	394.031	0.000000000000	0.00	0.00
227	N	1	1	2307	F	29	7	26	14.704	0.000070000000	0.00	0.00
228	N	1	1	45004	F	29	7	26	286.839	0.000000000000	0.00	0.00
229	N	1	1	56	F	0	7	26	0.000	0.000000000000	0.00	0.00
230	N	1	1	0	F	0	7	26	0.000	0.000000000000	0.00	0.00
231	N	1	1	210	F	30	7	52	0.692	0.152140000000	0.02	0.00
232	N	1	1	12333	F	30	7	52	40.658	0.001820000000	0.01	0.00
233	N	1	1	2	F	25	5	52	0.008	5.780000000000	0.01	0.00
234	N	1	1	1	F	25	5	52	0.004	5.780000000000	0.00	0.00
235	N	1	1	210	F	0	7	4	0.000	0.439070000000	0.05	0.00
236	N	1	1	0	F	0	7	4	0.000	0.063480000000	0.00	0.00
237	N	1	1	210	F	0	7	26	0.000	0.330130000000	0.03	0.00
238	N	1	1	0	F	0	7	26	0.000	0.063680000000	0.00	0.00
239	N	1	1	81	F	25	7	52	0.223	2.370980000000	0.10	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
240	VOC	2101900004	019	00004	0EV	2	30600816	1.000000000000	0	80	1.000000000000	N
241	VOC	2101900004	019	00004	0EV	3	30600817	1.000000000000	0	80	1.000000000000	N
242	VOC	2101900004	019	00004	0EW	1	40714697	1.000000000000	0	80	1.000000000000	N
243	VOC	2101900004	019	00004	0EW	2	40714698	1.000000000000	0	80	1.000000000000	N
244	VOC	2101900004	019	00004	0EX	1	40714697	1.000000000000	0	80	1.000000000000	N
245	VOC	2101900004	019	00004	0EX	2	40714698	1.000000000000	0	80	1.000000000000	N
246	VOC	2101900004	019	00004	0EY	1	30600812	1.000000000000	0	80	1.000000000000	N
247	VOC	2101900004	019	00004	0EY	2	30600816	1.000000000000	0	80	1.000000000000	N
248	VOC	2101900004	019	00004	0EZ	1	40714697	1.000000000000	0	80	1.000000000000	N
249	VOC	2101900004	019	00004	0EZ	2	40714698	1.000000000000	0	80	1.000000000000	N
250	VOC	2101900004	019	00004	0EZ	3	40714697	1.000000000000	0	80	1.000000000000	N
251	VOC	2101900004	019	00004	0EZ	4	40714698	1.000000000000	0	80	1.000000000000	N
252	VOC	2101900004	019	00004	0EZ	5	40714697	1.000000000000	0	80	1.000000000000	N
253	VOC	2101900004	019	00004	0EZ	6	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
240	N	1	1	243	F	25	7	52	0.6676	0.221290000000	0.03	0.00
241	N	1	1	1	F	25	7	52	0.0027	19.758200000000	0.01	0.00
242	N	1	1	38	F	33	7	52	0.1378	5.611490000000	0.11	0.00
243	N	1	1	1197	F	33	7	52	4.3408	0.465900000000	0.28	0.00
244	N	1	1	38	F	29	7	52	0.1211	5.611490000000	0.11	0.00
245	N	1	1	1000	F	29	7	52	3.1868	0.465900000000	0.23	0.00
246	N	1	1	100	F	25	7	52	0.2747	24.002000000000	1.20	0.00
247	N	1	1	400	F	25	7	52	1.0989	6.000500000000	1.20	0.00
248	N	1	1	2	F	25	7	52	0.0055	0.088310000000	0.00	0.00
249	N	1	1	2	F	25	7	52	0.0055	0.001920000000	0.00	0.00
250	N	1	1	2	F	25	7	52	0.0055	0.088310000000	0.00	0.00
251	N	1	1	3	F	25	7	52	0.0082	0.001920000000	0.00	0.00
252	N	1	1	2	F	25	7	52	0.0055	0.088310000000	0.00	0.00
253	N	1	1	10	F	25	7	52	0.0275	0.001920000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
254	VOC	2101900004	019	00004	0EZ	7	40714697	1.000000000000	0	80	1.000000000000	N
255	VOC	2101900004	019	00004	0EZ	8	40714698	1.000000000000	0	80	1.000000000000	N
256	VOC	2101900004	019	00004	0EZ	9	40714697	1.000000000000	0	80	1.000000000000	N
257	VOC	2101900004	019	00004	0EZ	10	40714698	1.000000000000	0	80	1.000000000000	N
258	VOC	2101900004	019	00004	0FA	1	40714697	1.000000000000	0	80	1.000000000000	N
259	VOC	2101900004	019	00004	0FB	1	40714697	1.000000000000	0	80	1.000000000000	N
260	VOC	2101900004	019	00004	0FB	2	40714698	1.000000000000	0	80	1.000000000000	N
261	VOC	2101900004	019	00004	0FD	1	40714697	1.000000000000	0	80	1.000000000000	N
262	VOC	2101900004	019	00004	0FD	2	40714698	1.000000000000	0	80	1.000000000000	N
263	VOC	2101900004	019	00004	0FE	1	40714697	1.000000000000	0	80	1.000000000000	N
264	VOC	2101900004	019	00004	0FE	2	40714698	1.000000000000	0	80	1.000000000000	N
265	VOC	2101900004	019	00004	0FF	1	40714697	1.000000000000	0	80	1.000000000000	N
266	VOC	2101900004	019	00004	0FF	2	40714698	1.000000000000	0	80	1.000000000000	N
267	VOC	2101900004	019	00004	0FG	1	30600813	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
254	N	1	1	2	F	25	7	52	0.005	0.088310000000	0.00	0.00
255	N	1	1	8	F	25	7	52	0.022	0.001920000000	0.00	0.00
256	N	1	1	2	F	25	7	52	0.005	0.088310000000	0.00	0.00
257	N	1	1	5	F	25	7	52	0.014	0.001920000000	0.00	0.00
258	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
259	N	1	1	1	F	25	7	52	0.003	0.225410000000	0.00	0.00
260	N	1	1	3	F	25	7	52	0.008	0.001920000000	0.00	0.00
261	N	1	1	2284	F	25	7	52	6.275	0.000010000000	0.00	0.00
262	N	1	1	18929	F	25	7	52	52.003	0.000000000000	0.00	0.00
263	N	1	1	2284	F	38	7	52	9.538	0.000010000000	0.00	0.00
264	N	1	1	8326	F	38	7	52	34.768	0.000000000000	0.00	0.00
265	N	1	1	154	F	0	7	52	0.000	0.000000000000	0.00	0.00
266	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
267	N	1	1	20	F	25	7	52	0.055	0.000510000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
268	VOC	2101900004	019	00004	0FG	2	30600813	1.000000000000	0	80	1.000000000000	N
269	VOC	2101900004	019	00004	0FG	3	30600818	1.000000000000	0	80	1.000000000000	N
270	VOC	2101900004	019	00004	0FG	4	30600816	1.000000000000	0	80	1.000000000000	N
271	VOC	2101900004	019	00004	0FH	1	40714697	1.000000000000	0	80	1.000000000000	N
272	VOC	2101900004	019	00004	0FH	2	40714698	1.000000000000	0	80	1.000000000000	N
273	VOC	2101900004	019	00004	0FI	1	40714697	1.000000000000	0	80	1.000000000000	N
274	VOC	2101900004	019	00004	0FI	2	40714698	1.000000000000	0	80	1.000000000000	N
275	VOC	2101900004	019	00004	0FJ	1	40301019	1.000000000000	0	80	1.000000000000	N
276	VOC	2101900004	019	00004	0FJ	2	40301021	1.000000000000	0	80	1.000000000000	N
277	VOC	2101900004	019	00004	0FK	1	40400103	1.000000000000	0	80	1.000000000000	N
278	VOC	2101900004	019	00004	0FK	2	40301107	1.000000000000	0	80	1.000000000000	N
279	VOC	2101900004	019	00004	0FK	3	30180004	1.000000000000	0	80	1.000000000000	N
280	VOC	2101900004	019	00004	0FK	4	30180009	1.000000000000	0	80	1.000000000000	N
281	VOC	2101900004	019	00004	0FK	5	30180007	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
268	N	1	1	50	F	25	7	52	0.137	0.000000000000	0.00	0.00
269	N	1	1	10	F	25	7	52	0.027	0.000000000000	0.00	0.00
270	N	1	1	20	F	25	7	52	0.055	0.001830000000	0.00	0.00
271	N	1	1	85	F	0	7	13	0.000	0.000000000000	0.00	0.00
272	N	1	1	0	F	0	7	13	0.000	0.000000000000	0.00	0.00
273	N	1	1	85	F	0	7	52	0.000	0.000000000000	0.00	0.00
274	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
275	N	1	1	2	F	25	7	52	0.005	0.675740000000	0.00	0.00
276	N	1	1	2	F	25	7	52	0.005	0.020000000000	0.00	0.00
277	N	1	1	1	F	25	7	52	0.003	60.500000000000	0.03	0.00
278	N	1	1	1	F	25	7	52	0.003	2.670410000000	0.00	0.00
279	N	1	1	2	F	25	7	52	0.005	0.029400000000	0.00	0.00
280	N	1	1	2	F	25	7	52	0.005	0.029400000000	0.00	0.00
281	N	1	1	4	F	25	7	52	0.011	0.058800000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE .UNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
282	VOC	2101900004	019	00004	0FL	1	40729697	1.000000000000	0	80	1.000000000000	N
283	VOC	2101900004	019	00004	0FL	2	40301197	1.000000000000	0	80	1.000000000000	N
284	VOC	2101900004	019	00004	0FM	1	40714697	1.000000000000	0	80	1.000000000000	N
285	VOC	2101900004	019	00004	0FM	2	40714698	1.000000000000	0	80	1.000000000000	N
286	VOC	2101900004	019	00004	0FN	1	40714697	1.000000000000	0	80	1.000000000000	N
287	VOC	2101900004	019	00004	0FN	2	40714698	1.000000000000	0	80	1.000000000000	N
288	VOC	2101900004	019	00004	0FP	1	40714697	1.000000000000	0	80	1.000000000000	N
289	VOC	2101900004	019	00004	0FP	2	40714698	1.000000000000	0	80	1.000000000000	N
290	VOC	2101900004	019	00004	0FR	1	40714697	1.000000000000	0	80	1.000000000000	N
291	VOC	2101900004	019	00004	0FR	2	40714698	1.000000000000	0	80	1.000000000000	N
292	VOC	2101900004	019	00004	0FU	1	40714697	1.000000000000	0	80	1.000000000000	N
293	VOC	2101900004	019	00004	0FU	2	40714698	1.000000000000	0	80	1.000000000000	N
294	VOC	2101900004	019	00004	0FV	1	40719615	1.000000000000	0	80	1.000000000000	N
295	VOC	2101900004	019	00004	0FV	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
282	N	1	1	536	F	37	7	26	4.359	2.243910000000	0.60	0.00
283	N	1	1	12988	F	37	7	26	105.617	0.005150000000	0.03	0.00
284	N	1	1	509	F	28	7	52	1.566	2.318120000000	0.59	0.00
285	N	1	1	9140	F	28	7	52	28.123	0.211500000000	0.97	0.00
286	N	1	1	509	F	23	7	52	1.286	2.317880000000	0.59	0.00
287	N	1	1	8413	F	23	7	52	21.264	0.056810000000	0.24	0.00
288	N	1	1	509	F	29	7	52	1.622	3.130670000000	0.80	0.00
289	N	1	1	11612	F	29	7	52	37.005	0.103840000000	0.60	0.00
290	N	1	1	94	F	0	7	52	0.000	0.000010000000	0.00	0.00
291	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
292	N	1	1	212	F	0	7	52	0.000	0.000000000000	0.00	0.00
293	N	1	1	0	F	0	7	52	0.000	0.000000000000	0.00	0.00
294	N	1	1	501	F	23	7	52	1.266	3.982290000000	1.00	0.00
295	N	1	1	14104	F	23	7	52	35.647	0.005720000000	0.04	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
296	VOC	2101900004	019	00004	0FW	1	40719615	1.000000000000	0	80	1.000000000000	N
297	VOC	2101900004	019	00004	0FW	2	40301197	1.000000000000	0	80	1.000000000000	N
298	VOC	2101900004	019	00004	0FZ	1	40703615	1.000000000000	0	80	1.000000000000	N
299	VOC	2101900004	019	00004	0FZ	2	40703616	1.000000000000	0	80	1.000000000000	N
300	VOC	2101900004	019	00004	0GA	1	40714697	1.000000000000	0	80	1.000000000000	N
301	VOC	2101900004	019	00004	0GA	2	40714698	1.000000000000	0	80	1.000000000000	N
302	VOC	2101900004	019	00004	0GB	1	40701611	1.000000000000	0	80	1.000000000000	N
303	VOC	2101900004	019	00004	0GB	2	40701612	1.000000000000	0	80	1.000000000000	N
304	VOC	2101900004	019	00004	0GC	1	40703615	1.000000000000	0	80	1.000000000000	N
305	VOC	2101900004	019	00004	0GC	2	40703616	1.000000000000	0	80	1.000000000000	N
306	VOC	2101900004	019	00004	0GD	1	40701611	1.000000000000	0	80	1.000000000000	N
307	VOC	2101900004	019	00004	0GD	2	40701612	1.000000000000	0	80	1.000000000000	N
308	VOC	2101900004	019	00004	0GE	1	40703623	1.000000000000	0	80	1.000000000000	N
309	VOC	2101900004	019	00004	0GE	2	40703624	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
296	N	1	1	504	F	31	7	52	1.717	3.982290000000	1.00	0.00
297	N	1	1	11392	F	31	7	52	38.808	0.005720000000	0.03	0.00
298	N	1	1	507	F	11	7	52	0.613	7.750000000000	1.96	0.00
299	N	1	1	7221	F	11	7	52	8.729	0.264000000000	0.95	0.00
300	N	1	1	507	F	9	7	52	0.501	3.134190000000	0.79	0.00
301	N	1	1	7595	F	9	7	52	7.512	0.369440000000	1.40	0.00
302	N	1	1	507	F	34	7	52	1.894	6.363470000000	1.61	0.01
303	N	1	1	17383	F	34	7	52	64.947	1.005840000000	8.74	0.03
304	N	1	1	507	F	20	7	52	1.114	7.750000000000	1.96	0.00
305	N	1	1	10618	F	20	7	52	23.336	0.264000000000	1.40	0.00
306	N	1	1	507	F	12	7	52	0.669	6.363470000000	1.61	0.00
307	N	1	1	10062	F	12	7	52	13.269	1.005840000000	5.06	0.01
308	N	1	1	507	F	27	7	52	1.504	3.134190000000	0.79	0.00
309	N	1	1	8431	F	27	7	52	25.015	0.369440000000	1.56	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
310	VOC	2101900004	019	00004	0GF	1	40729697	1.000000000000	0	80	1.000000000000	N
311	VOC	2101900004	019	00004	0GF	2	40301197	1.000000000000	0	80	1.000000000000	N
312	VOC	2101900004	019	00004	0GG	1	40301111	1.000000000000	0	80	1.000000000000	N
313	VOC	2101900004	019	00004	0GG	2	40301118	1.000000000000	0	80	1.000000000000	N
314	VOC	2101900004	019	00004	0GH	1	40301130	1.000000000000	0	80	1.000000000000	N
315	VOC	2101900004	019	00004	0GH	2	40301197	1.000000000000	0	80	1.000000000000	N
316	VOC	2101900004	019	00004	0GI	1	40301130	1.000000000000	0	80	1.000000000000	N
317	VOC	2101900004	019	00004	0GI	2	40301197	1.000000000000	0	80	1.000000000000	N
318	VOC	2101900004	019	00004	0GJ	1	40301013	1.000000000000	0	80	1.000000000000	N
319	VOC	2101900004	019	00004	0GJ	2	40301015	1.000000000000	0	80	1.000000000000	N
320	VOC	2101900004	019	00004	0GJ	3	40301013	1.000000000000	0	80	1.000000000000	N
321	VOC	2101900004	019	00004	0GJ	4	40301015	1.000000000000	0	80	1.000000000000	N
322	VOC	2101900004	019	00004	0GK	1	40301013	1.000000000000	0	80	1.000000000000	N
323	VOC	2101900004	019	00004	0GK	2	40301015	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
310	N	1	1	1050	F	43	7	52	4.962	0.715190000000	0.38	0.00
311	N	1	1	3733	F	43	7	52	17.639	0.003120000000	0.01	0.00
312	N	1	1	1050	F	1	7	52	0.115	3.971330000000	2.08	0.00
313	N	1	1	7612	F	1	7	52	0.836	0.003150000000	0.01	0.00
314	N	1	1	1890	F	37	7	52	7.685	2.963680000000	2.80	0.01
315	N	1	1	32488	F	37	7	52	132.094	0.002350000000	0.04	0.00
316	N	1	1	1903	F	23	7	52	4.810	2.963680000000	2.82	0.01
317	N	1	1	41739	F	23	7	52	105.494	0.002350000000	0.05	0.00
318	N	1	1	541	F	0	7	52	0.000	0.074430000000	0.02	0.00
319	N	1	1	0	F	0	7	52	0.000	0.001050000000	0.00	0.00
320	N	1	1	541	F	0	7	52	0.000	0.695540000000	0.19	0.00
321	N	1	1	0	F	0	7	52	0.000	0.034320000000	0.00	0.00
322	N	1	1	541	F	0	7	52	0.000	0.074430000000	0.02	0.00
323	N	1	1	0	F	0	7	52	0.000	0.001050000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
324	VOC	2101900004	019	00004	0GK	3	40301013	1.000000000000	0	80	1.000000000000	N
325	VOC	2101900004	019	00004	0GK	4	40301015	1.000000000000	0	80	1.000000000000	N
326	VOC	2101900004	019	00004	0GQ	1	40714697	1.000000000000	0	80	1.000000000000	N
327	VOC	2101900004	019	00004	0GQ	2	40714698	1.000000000000	0	80	1.000000000000	N
328	VOC	2101900004	019	00004	0GR	1	40714697	1.000000000000	0	80	1.000000000000	N
329	VOC	2101900004	019	00004	0GR	2	40714698	1.000000000000	0	80	1.000000000000	N
330	VOC	2101900004	019	00004	0GT	1	40719601	1.000000000000	0	80	1.000000000000	N
331	VOC	2101900004	019	00004	0GT	2	40301197	1.000000000000	0	80	1.000000000000	N
332	VOC	2101900004	019	00004	0GZ	1	40301109	1.000000000000	0	80	1.000000000000	N
333	VOC	2101900004	019	00004	0GZ	2	40301117	1.000000000000	0	80	1.000000000000	N
334	VOC	2101900004	019	00004	0HC	1	40301109	1.000000000000	0	80	1.000000000000	N
335	VOC	2101900004	019	00004	0HC	2	40301117	1.000000000000	0	80	1.000000000000	N
336	VOC	2101900004	019	00004	0HD	1	40301018	1.000000000000	0	80	1.000000000000	N
337	VOC	2101900004	019	00004	0HD	2	40301017	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
324	N	1	1	541	F	0	7	52	0.000	0.925070000000	0.25	0.00
325	N	1	1	0	F	0	7	52	0.000	0.034320000000	0.00	0.00
326	N	1	1	24	F	0	7	52	0.000	10.919700000000	0.13	0.00
327	N	1	1	0	F	0	7	52	0.000	1.154850000000	0.00	0.00
328	N	1	1	24	F	36	7	52	0.095	10.919700000000	0.13	0.00
329	N	1	1	285	F	36	7	52	1.127	1.185700000000	0.17	0.00
330	N	1	1	541	F	0	7	26	0.000	1.493020000000	0.40	0.00
331	N	1	1	236	F	0	7	26	0.000	0.005200000000	0.00	0.00
332	N	1	1	6342	F	29	7	52	20.211	6.340000000000	20.10	0.06
333	N	1	1	175602	F	29	7	52	559.611	0.006300000000	0.55	0.00
334	N	1	1	6342	F	40	7	52	27.877	6.340000000000	20.10	0.09
335	N	1	1	179886	F	40	7	52	790.708	0.002610000000	0.23	0.00
336	N	1	1	2320	F	0	7	52	0.000	0.030000000000	0.03	0.00
337	N	1	1	4063	F	0	7	52	0.000	0.369100000000	0.75	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
338	VOC	2101900004	019	00004	0HE	1	40301109	1.000000000000	0	80	1.000000000000	N
339	VOC	2101900004	019	00004	0HE	2	40301117	1.000000000000	0	80	1.000000000000	N
340	VOC	2101900004	019	00004	0HF	1	40301109	1.000000000000	0	80	1.000000000000	N
341	VOC	2101900004	019	00004	0HF	2	40301117	1.000000000000	0	80	1.000000000000	N
342	VOC	2101900004	019	00004	0HG	1	40714697	1.000000000000	0	80	1.000000000000	N
343	VOC	2101900004	019	00004	0HH	1	40714697	1.000000000000	0	80	1.000000000000	N
344	VOC	2101900004	019	00004	0HI	1	40714697	1.000000000000	0	80	1.000000000000	N
345	VOC	2101900004	019	00004	0HJ	1	40714697	1.000000000000	0	80	1.000000000000	N
346	VOC	2101900004	019	00004	0HJ	2	40714698	1.000000000000	0	80	1.000000000000	N
347	VOC	2101900004	019	00004	0HK	1	40714697	1.000000000000	0	80	1.000000000000	N
348	VOC	2101900004	019	00004	0HK	2	40714698	1.000000000000	0	80	1.000000000000	N
349	VOC	2101900004	019	00004	0HN	1	40714697	1.000000000000	95	80	0.240000000000	N
350	VOC	2101900004	019	00004	0HN	2	40714698	1.000000000000	95	80	0.240000000000	N
351	VOC	2101900004	019	00004	0HP	1	40714697	1.000000000000	95	80	0.240000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
338	N	1	1	2310	F	25	7	52	6.346	6.340000000000	7.32	0.02
339	N	1	1	24822	F	25	7	52	68.192	0.010750000000	0.13	0.00
340	N	1	1	2310	F	0	7	13	0.000	6.340000000000	7.32	0.00
341	N	1	1	0	F	0	7	13	0.000	0.011390000000	0.00	0.00
342	N	1	1	50	F	25	7	52	0.137	0.000000000000	0.00	0.00
343	N	1	1	33	F	25	7	52	0.091	0.000000000000	0.00	0.00
344	N	1	1	65	F	25	7	52	0.179	0.000000000000	0.00	0.00
345	N	1	1	2284	F	36	7	52	9.036	0.003280000000	0.00	0.00
346	N	1	1	24689	F	36	7	52	97.671	0.000070000000	0.00	0.00
347	N	1	1	2284	F	0	7	52	0.000	0.009840000000	0.01	0.00
348	N	1	1	2657	F	0	7	52	0.000	0.000010000000	0.00	0.00
349	N	1	1	109	F	0	7	52	0.000	12.192000000000	0.16	0.00
350	N	1	1	0	F	0	7	52	0.000	1.574400000000	0.00	0.00
351	N	1	1	0	F	0	7	52	0.000	11.172600000000	0.00	0.00

ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
352	VOC	2101900004	019	00004	0HP	2	40714698	1.000000000000	95	80	0.240000000000	N
353	VOC	2101900004	019	00004	0HQ	1	40714697	1.000000000000	95	80	0.240000000000	N
354	VOC	2101900004	019	00004	0HQ	2	40714698	1.000000000000	95	80	0.240000000000	N
355	VOC	2101900004	019	00004	0HW	1	40714697	1.000000000000	0	80	1.000000000000	N
356	VOC	2101900004	019	00004	0HW	2	40714698	1.000000000000	0	80	1.000000000000	N
357	VOC	2101900004	019	00004	0HX	1	40714697	1.000000000000	95	80	0.240000000000	N
358	VOC	2101900004	019	00004	0HX	2	40714698	1.000000000000	95	80	0.240000000000	N
359	VOC	2101900004	019	00004	0HY	1	40399999	1.000000000000	0	80	1.000000000000	N
360	VOC	2101900004	019	00004	0IH	1	40400103	1.000000000000	0	80	1.000000000000	N
361	VOC	2101900004	019	00004	0IH	2	40301107	1.000000000000	0	80	1.000000000000	N
362	VOC	2101900004	019	00004	0II	1	40301150	1.000000000000	0	80	1.000000000000	N
363	VOC	2101900004	019	00004	0II	2	40301197	1.000000000000	0	80	1.000000000000	N
364	VOC	2101900004	019	00004	0IJ	1	40399999	1.000000000000	0	80	1.000000000000	N
365	VOC	2101900004	019	00004	0IK	1	40400103	1.000000000000	75	80	0.400000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
352	N	1	1	0	F	0	7	52	0.00	1.574400000000	0.00	0.00
353	N	1	1	40	F	0	7	52	0.00	7.148940000000	0.03	0.00
354	N	1	1	0	F	0	7	52	0.00	1.433150000000	0.00	0.00
355	N	1	1	0	F	0	7	52	0.00	0.000010000000	0.00	0.00
356	N	1	1	0	F	0	7	52	0.00	0.000000000000	0.00	0.00
357	N	1	1	40	F	0	7	52	0.00	7.148940000000	0.03	0.00
358	N	1	1	0	F	0	7	52	0.00	1.316460000000	0.00	0.00
359	N	1	1	318933	F	3	7	52	105.14	0.000000000000	0.00	0.00
360	N	1	1	1008	F	0	7	52	0.00	0.006900000000	0.00	0.00
361	N	1	1	2718	F	0	7	52	0.00	0.001900000000	0.00	0.00
362	N	1	1	418	F	0	7	32	0.00	39.168100000000	8.19	0.00
363	N	1	1	0	F	0	7	32	0.00	0.004970000000	0.00	0.00
364	N	1	1	35999	F	25	7	52	98.90	0.000000000000	0.00	0.00
365	N	1	1	1108	F	32	7	52	3.90	0.014000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
366	VOC	2101900004	019	00004	0IK	2	40301107	1.000000000000	75	80	0.400000000000	N
367	VOC	2101900004	019	00004	0IL	1	40301016	1.000000000000	0	80	1.000000000000	N
368	VOC	2101900004	019	00004	0IL	2	40301018	1.000000000000	0	80	1.000000000000	N
369	VOC	2101900004	019	00004	0IM	1	40301197	1.000000000000	0	80	1.000000000000	N
370	VOC	2101900004	019	00004	0IM	2	40301141	1.000000000000	0	80	1.000000000000	N
371	VOC	2101900004	019	00004	0IM	3	30180003	1.000000000000	0	80	1.000000000000	N
372	VOC	2101900004	019	00004	0IM	4	30180007	1.000000000000	0	80	1.000000000000	N
373	VOC	2101900004	019	00004	0IM	5	30180008	1.000000000000	0	80	1.000000000000	N
374	VOC	2101900004	019	00004	0IP	1	40714697	1.000000000000	0	80	1.000000000000	N
375	VOC	2101900004	019	00004	0IP	2	40714698	1.000000000000	0	80	1.000000000000	N
376	VOC	2101900004	019	00004	0IU	1	40399999	1.000000000000	0	80	1.000000000000	N
377	VOC	2101900004	019	00004	0IV	1	40399999	1.000000000000	0	80	1.000000000000	N
378	VOC	2101900004	019	00004	0IW	1	40399999	1.000000000000	0	80	1.000000000000	N
379	VOC	2101900004	019	00004	0JC	1	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
366	N	1	1	29318	F	32	7	52	103.10	0.002430000000	0.01	0.00
367	N	1	1	3412	F	21	7	52	7.87	0.068500000000	0.12	0.00
368	N	1	1	55201	F	21	7	52	127.39	0.030000000000	0.83	0.00
369	N	1	1	61455	F	43	7	52	290.39	0.000950000000	0.03	0.00
370	N	1	1	3412	F	43	7	52	16.12	0.633260000000	1.08	0.01
371	N	1	1	70	F	43	7	52	0.33	49.143600000000	1.72	0.01
372	N	1	1	96	F	43	7	52	0.45	4.905600000000	0.24	0.00
373	N	1	1	2	F	43	7	52	0.01	426.612000000000	0.43	0.00
374	N	1	1	42	F	0	7	52	0.00	36.243100000000	0.76	0.00
375	N	1	1	0	F	0	7	52	0.00	5.712000000000	0.00	0.00
376	N	1	1	385627	F	46	7	52	1949.32	0.000000000000	0.00	0.00
377	N	1	1	0	F	0	7	52	0.00	0.000000000000	0.00	0.00
378	N	1	1	0	F	0	7	52	0.00	0.000000000000	0.00	0.00
379	N	1	1	210	F	38	7	52	0.88	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI)NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
380	VOC	2101900004	019	00004	0JC	2	40714698	1.000000000000	0	80	1.000000000000	N
381	VOC	2101900004	019	00004	0JD	1	40714697	1.000000000000	0	80	1.000000000000	N
382	VOC	2101900004	019	00004	0JD	2	40714698	1.000000000000	0	80	1.000000000000	N
383	VOC	2101900004	019	00004	0JK	1	40301197	1.000000000000	0	80	1.000000000000	N
384	VOC	2101900004	019	00004	0JK	2	40301198	1.000000000000	0	80	1.000000000000	N
385	VOC	2101900004	019	00004	0JL	1	40301198	1.000000000000	0	80	1.000000000000	N
386	VOC	2101900004	019	00004	0JL	2	40301197	1.000000000000	0	80	1.000000000000	N
387	VOC	2101900004	019	00004	0JM	1	40729697	1.000000000000	0	80	1.000000000000	N
388	VOC	2101900004	019	00004	0JM	2	40301197	1.000000000000	0	80	1.000000000000	N
389	VOC	2101900004	019	00004	0JP	1	40301198	1.000000000000	0	80	1.000000000000	N
390	VOC	2101900004	019	00004	0JP	2	40301197	1.000000000000	0	80	1.000000000000	N
391	VOC	2101900004	019	00004	0JP	3	30600812	1.000000000000	0	80	1.000000000000	N
392	VOC	2101900004	019	00004	0JP	4	30600816	1.000000000000	0	80	1.000000000000	N
393	VOC	2101900004	019	00004	0JQ	1	40301198	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
380	N	1	1	14600	F	38	7	52	60.97	0.000000000000	0.00	0.00
381	N	1	1	210	F	32	7	52	0.74	0.000000000000	0.00	0.00
382	N	1	1	14025	F	32	7	52	49.32	0.000000000000	0.00	0.00
383	N	1	1	31444	F	34	7	52	117.48	0.003580000000	0.06	0.00
384	N	1	1	840	F	34	7	52	3.14	5.257540000000	2.21	0.01
385	N	1	1	840	F	31	7	52	2.86	9.681170000000	4.07	0.01
386	N	1	1	15893	F	31	7	52	54.14	0.003580000000	0.03	0.00
387	N	1	1	30	F	0	7	26	0.00	7.362700000000	0.11	0.00
388	N	1	1	0	F	0	7	26	0.00	0.599270000000	0.00	0.00
389	N	1	1	1004	F	19	7	52	2.10	6.006000000000	3.02	0.01
390	N	1	1	19474	F	19	7	52	40.66	0.003000000000	0.03	0.00
391	N	1	1	25	F	19	7	52	0.05	49.143600000000	0.61	0.00
392	N	1	1	100	F	19	7	52	0.21	4.905600000000	0.25	0.00
393	N	1	1	1004	F	25	7	52	2.76	0.964460000000	0.48	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
394	VOC	2101900004	019	00004	0JQ	2	40301197	1.000000000000	0	80	1.000000000000	N
395	VOC	2101900004	019	00004	0JQ	3	30600812	1.000000000000	0	80	1.000000000000	N
396	VOC	2101900004	019	00004	0JQ	4	30600816	1.000000000000	0	80	1.000000000000	N
397	VOC	2101900004	019	00004	0JT	1	40301008	1.000000000000	0	80	1.000000000000	N
398	VOC	2101900004	019	00004	0JT	2	40301001	1.000000000000	0	80	1.000000000000	N
399	VOC	2101900004	019	00004	0JU	1	40729697	1.000000000000	0	80	1.000000000000	N
400	VOC	2101900004	019	00004	0JU	2	40301197	1.000000000000	0	80	1.000000000000	N
401	VOC	2101900004	019	00004	0JW	1	40400103	1.000000000000	0	80	1.000000000000	N
402	VOC	2101900004	019	00004	0JW	2	40301107	1.000000000000	0	80	1.000000000000	N
403	VOC	2101900004	019	00004	0KA	1	40400103	1.000000000000	75	80	0.400000000000	N
404	VOC	2101900004	019	00004	0KA	2	40301107	1.000000000000	75	80	0.400000000000	N
405	VOC	2101900004	019	00004	0KB	1	40400103	1.000000000000	0	80	1.000000000000	N
406	VOC	2101900004	019	00004	0KB	2	40301107	1.000000000000	0	80	1.000000000000	N
407	VOC	2101900004	019	00004	0KD	1	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
394	N	1	1	19596	F	25	7	52	53.84	0.003580000000	0.04	0.00
395	N	1	1	25	F	25	7	52	0.07	48.526000000000	0.61	0.00
396	N	1	1	100	F	25	7	52	0.27	4.844000000000	0.24	0.00
397	N	1	1	59	F	28	7	52	0.18	6.961500000000	0.21	0.00
398	N	1	1	2	F	28	7	52	0.01	50.000000000000	0.05	0.00
399	N	1	1	1802	F	42	7	52	8.32	1.902880000000	1.71	0.01
400	N	1	1	92513	F	42	7	52	426.98	0.003210000000	0.15	0.00
401	N	1	1	1785	F	32	7	52	6.28	0.016600000000	0.01	0.00
402	N	1	1	30402	F	32	7	52	106.91	0.003140000000	0.05	0.00
403	N	1	1	1055	F	33	7	52	3.83	0.026500000000	0.01	0.00
404	N	1	1	51764	F	33	7	52	187.72	0.860220000000	8.91	0.03
405	N	1	1	1055	F	33	7	52	3.83	0.014500000000	0.01	0.00
406	N	1	1	29289	F	33	7	52	106.21	0.002430000000	0.04	0.00
407	N	1	1	1015	F	25	7	52	2.79	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
408	VOC	2101900004	019	00004	0KD	2	40714698	1.000000000000	0	80	1.000000000000	N
409	VOC	2101900004	019	00004	0KE	1	40714697	1.000000000000	0	80	1.000000000000	N
410	VOC	2101900004	019	00004	0KE	2	40714698	1.000000000000	0	80	1.000000000000	N
411	VOC	2101900004	019	00004	0KF	1	40714697	1.000000000000	0	80	1.000000000000	N
412	VOC	2101900004	019	00004	0KF	2	40714698	1.000000000000	0	80	1.000000000000	N
413	VOC	2101900004	019	00004	0KG	1	40714697	1.000000000000	0	80	1.000000000000	N
414	VOC	2101900004	019	00004	0KG	2	40714698	1.000000000000	0	80	1.000000000000	N
415	VOC	2101900004	019	00004	0KQ	1	40301109	1.000000000000	0	80	1.000000000000	N
416	VOC	2101900004	019	00004	0KQ	2	40301117	1.000000000000	0	80	1.000000000000	N
417	VOC	2101900004	019	00004	0KR	1	40301109	1.000000000000	0	80	1.000000000000	N
418	VOC	2101900004	019	00004	0KR	2	40301117	1.000000000000	0	80	1.000000000000	N
419	VOC	2101900004	019	00004	0KS	1	40714697	1.000000000000	0	80	1.000000000000	N
420	VOC	2101900004	019	00004	0KS	2	40714698	1.000000000000	0	80	1.000000000000	N
421	VOC	2101900004	019	00004	0KT	1	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
408	N	1	1	13513	F	25	7	52	37.12	0.000000000000	0.00	0.00
409	N	1	1	1015	F	31	7	52	3.46	0.000000000000	0.00	0.00
410	N	1	1	14785	F	31	7	52	50.37	0.000000000000	0.00	0.00
411	N	1	1	1015	F	25	7	52	2.79	0.000030000000	0.00	0.00
412	N	1	1	19575	F	25	7	52	53.78	0.000000000000	0.00	0.00
413	N	1	1	1015	F	26	7	52	2.90	0.000030000000	0.00	0.00
414	N	1	1	18997	F	26	7	52	54.28	0.000000000000	0.00	0.00
415	N	1	1	10080	F	38	7	52	42.09	6.340000000000	31.95	0.13
416	N	1	1	753438	F	38	7	52	3146.22	0.005930000000	2.23	0.01
417	N	1	1	10080	F	27	7	52	29.91	6.340000000000	31.95	0.09
418	N	1	1	1032906	F	27	7	52	3064.67	0.005930000000	3.06	0.01
419	N	1	1	1382	F	29	7	52	4.40	0.098020000000	0.07	0.00
420	N	1	1	90103	F	29	7	52	287.14	0.001450000000	0.07	0.00
421	N	1	1	1382	F	28	7	52	4.25	0.098020000000	0.07	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
422	VOC	2101900004	019	00004	0KT	2	40714698	1.000000000000	0	80	1.000000000000	N
423	VOC	2101900004	019	00004	0KU	1	40714697	1.000000000000	0	80	1.000000000000	N
424	VOC	2101900004	019	00004	0KU	2	40714698	1.000000000000	0	80	1.000000000000	N
425	VOC	2101900004	019	00004	0KV	1	40714697	1.000000000000	0	80	1.000000000000	N
426	VOC	2101900004	019	00004	0KV	2	40714698	1.000000000000	0	80	1.000000000000	N
427	VOC	2101900004	019	00004	0KW	1	40301019	1.000000000000	0	80	1.000000000000	N
428	VOC	2101900004	019	00004	0KW	2	40301021	1.000000000000	0	80	1.000000000000	N
429	VOC	2101900004	019	00004	0KX	1	40400103	1.000000000000	0	80	1.000000000000	N
430	VOC	2101900004	019	00004	0KX	2	40301107	1.000000000000	0	80	1.000000000000	N
431	VOC	2101900004	019	00004	0KY	1	40400103	1.000000000000	0	80	1.000000000000	N
432	VOC	2101900004	019	00004	0KY	2	40301107	1.000000000000	0	80	1.000000000000	N
433	VOC	2101900004	019	00004	0KZ	1	40714697	1.000000000000	0	80	1.000000000000	N
434	VOC	2101900004	019	00004	0KZ	2	40714698	1.000000000000	0	80	1.000000000000	N
435	VOC	2101900004	019	00004	0LD	1	40400103	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
422	N	1	1	90103	F	28	7	52	277.240	0.001450000000	0.07	0.00
423	N	1	1	504	F	30	7	52	1.662	0.136020000000	0.03	0.00
424	N	1	1	68694	F	30	7	52	226.464	0.001240000000	0.04	0.00
425	N	1	1	504	F	25	7	52	1.385	0.136020000000	0.03	0.00
426	N	1	1	68966	F	25	7	52	189.467	0.001240000000	0.04	0.00
427	N	1	1	212	F	8	7	52	0.186	0.715440000000	0.08	0.00
428	N	1	1	14314	F	8	7	52	12.584	0.020000000000	0.14	0.00
429	N	1	1	1785	F	32	7	26	12.554	0.015700000000	0.01	0.00
430	N	1	1	115109	F	32	7	26	809.558	0.003140000000	0.18	0.00
431	N	1	1	1785	F	30	7	52	5.885	0.014800000000	0.01	0.00
432	N	1	1	55504	F	30	7	52	182.980	0.003140000000	0.09	0.00
433	N	1	1	504	F	30	7	52	1.662	0.148940000000	0.04	0.00
434	N	1	1	68694	F	30	7	52	226.464	0.000650000000	0.02	0.00
435	N	1	1	420	F	0	7	52	0.000	0.018000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
436	VOC	2101900004	019	00004	0LD	2	40301107	1.000000000000	0	80	1.000000000000	N
437	VOC	2101900004	019	00004	0LF	1	40714697	1.000000000000	0	80	1.000000000000	N
438	VOC	2101900004	019	00004	0LF	2	40714698	1.000000000000	0	80	1.000000000000	N
439	VOC	2101900004	019	00004	0LG	1	40714697	1.000000000000	0	80	1.000000000000	N
440	VOC	2101900004	019	00004	0LG	2	40714698	1.000000000000	0	80	1.000000000000	N
441	VOC	2101900004	019	00004	0LH	1	40301019	1.000000000000	0	80	1.000000000000	N
442	VOC	2101900004	019	00004	0LH	2	40301021	1.000000000000	0	80	1.000000000000	N
443	VOC	2101900004	019	00004	0LI	1	40301155	1.000000000000	0	80	1.000000000000	N
444	VOC	2101900004	019	00004	0LI	2	40301120	1.000000000000	0	80	1.000000000000	N
445	VOC	2101900004	019	00004	0LJ	1	40714697	1.000000000000	0	80	1.000000000000	N
446	VOC	2101900004	019	00004	0LJ	2	40714698	1.000000000000	0	80	1.000000000000	N
447	VOC	2101900004	019	00004	0LJ	3	30600816	1.000000000000	0	80	1.000000000000	N
448	VOC	2101900004	019	00004	0LK	1	40301151	1.000000000000	0	80	1.000000000000	N
449	VOC	2101900004	019	00004	0LK	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
436	N	1	1	99	F	0	7	52	0.00	0.005050000000	0.00	0.00
437	N	1	1	630	F	27	7	52	1.87	0.000040000000	0.00	0.00
438	N	1	1	24157	F	27	7	52	71.67	0.000000000000	0.00	0.00
439	N	1	1	630	F	22	7	52	1.52	0.000040000000	0.00	0.00
440	N	1	1	21005	F	22	7	52	50.78	0.000000000000	0.00	0.00
441	N	1	1	2100	F	10	7	52	2.31	0.001040000000	0.00	0.00
442	N	1	1	17905	F	10	7	52	19.68	0.030300000000	0.27	0.00
443	N	1	1	4200	F	44	7	52	20.31	0.002670000000	0.01	0.00
444	N	1	1	90248	F	44	7	52	436.36	0.001940000000	0.09	0.00
445	N	1	1	1008	F	53	7	52	5.87	0.000440000000	0.00	0.00
446	N	1	1	4587	F	53	7	52	26.72	0.000000000000	0.00	0.00
447	N	1	1	4	F	53	7	52	0.02	4.900000000000	0.01	0.00
448	N	1	1	1008	F	22	7	52	2.44	0.128000000000	0.06	0.00
449	N	1	1	63488	F	22	7	52	153.49	0.003490000000	0.11	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
450	VOC	2101900004	019	00004	OLK	3	30600813	1.000000000000	0	80	1.000000000000	N
451	VOC	2101900004	019	00004	OLK	4	30600818	1.000000000000	0	80	1.000000000000	N
452	VOC	2101900004	019	00004	OLK	5	30600816	1.000000000000	0	80	1.000000000000	N
453	VOC	2101900004	019	00004	OLL	1	40301151	1.000000000000	0	80	1.000000000000	N
454	VOC	2101900004	019	00004	OLL	2	40301197	1.000000000000	0	80	1.000000000000	N
455	VOC	2101900004	019	00004	OLL	3	30600813	1.000000000000	0	80	1.000000000000	N
456	VOC	2101900004	019	00004	OLL	4	30600818	1.000000000000	0	80	1.000000000000	N
457	VOC	2101900004	019	00004	OLL	5	30600816	1.000000000000	0	80	1.000000000000	N
458	VOC	2101900004	019	00004	OLM	1	40301019	1.000000000000	0	80	1.000000000000	N
459	VOC	2101900004	019	00004	OLM	2	40301021	1.000000000000	0	80	1.000000000000	N
460	VOC	2101900004	019	00004	OLN	1	40301019	1.000000000000	0	80	1.000000000000	N
461	VOC	2101900004	019	00004	OLN	2	40301021	1.000000000000	0	80	1.000000000000	N
462	VOC	2101900004	019	00004	OLP	1	40714697	1.000000000000	0	80	1.000000000000	N
463	VOC	2101900004	019	00004	OLP	2	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
450	N	1	1	107	F	22	7	52	0.26	4.364490000000	0.23	0.00
451	N	1	1	2	F	22	7	52	0.00	130.800000000000	0.13	0.00
452	N	1	1	426	F	22	7	52	1.03	4.882700000000	1.04	0.00
453	N	1	1	1008	F	38	7	52	4.21	0.180000000000	0.09	0.00
454	N	1	1	30284	F	38	7	52	126.46	0.003490000000	0.05	0.00
455	N	1	1	106	F	38	7	52	0.44	4.364490000000	0.23	0.00
456	N	1	1	2	F	38	7	52	0.01	130.800000000000	0.13	0.00
457	N	1	1	426	F	38	7	52	1.78	4.882700000000	1.04	0.00
458	N	1	1	1008	F	23	7	52	2.55	0.675740000000	0.34	0.00
459	N	1	1	68551	F	23	7	52	173.26	0.749230000000	25.68	0.06
460	N	1	1	1008	F	25	7	52	2.77	0.675740000000	0.34	0.00
461	N	1	1	71912	F	25	7	52	197.56	0.015200000000	0.55	0.00
462	N	1	1	1008	F	44	7	52	4.87	0.000090000000	0.00	0.00
463	N	1	1	4546	F	44	7	52	21.98	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
464	VOC	2101900004	019	00004	OLP	3	30600816	1.000000000000	0	80	1.000000000000	N
465	VOC	2101900004	019	00004	OLQ	1	30600816	1.000000000000	0	80	1.000000000000	N
466	VOC	2101900004	019	00004	OLQ	2	40714698	1.000000000000	0	80	1.000000000000	N
467	VOC	2101900004	019	00004	OLR	1	40301019	1.000000000000	0	80	1.000000000000	N
468	VOC	2101900004	019	00004	OLR	2	40301021	1.000000000000	0	80	1.000000000000	N
469	VOC	2101900004	019	00004	OLS	1	40714697	1.000000000000	0	80	1.000000000000	N
470	VOC	2101900004	019	00004	OLS	2	40714698	1.000000000000	0	80	1.000000000000	N
471	VOC	2101900004	019	00004	OLT	1	40301109	1.000000000000	0	80	1.000000000000	N
472	VOC	2101900004	019	00004	OLT	2	40301117	1.000000000000	0	80	1.000000000000	N
473	VOC	2101900004	019	00004	OLU	1	40301109	1.000000000000	0	80	1.000000000000	N
474	VOC	2101900004	019	00004	OLU	2	40301117	1.000000000000	0	80	1.000000000000	N
475	VOC	2101900004	019	00004	OLV	1	40301109	1.000000000000	0	80	1.000000000000	N
476	VOC	2101900004	019	00004	OLV	2	40301117	1.000000000000	0	80	1.000000000000	N
477	VOC	2101900004	019	00004	OLW	1	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
464	N	1	1	4	F	44	7	52	0.02	4.900000000000	0.01	0.00
465	N	1	1	4	F	25	7	52	0.01	4.900000000000	0.01	0.00
466	N	1	1	10856	F	25	7	52	29.82	0.000010000000	0.00	0.00
467	N	1	1	1050	F	40	7	26	9.23	0.715440000000	0.38	0.00
468	N	1	1	3793	F	40	7	26	33.35	0.020000000000	0.04	0.00
469	N	1	1	4045	F	27	7	52	12.00	0.000070000000	0.00	0.00
470	N	1	1	70903	F	27	7	52	210.37	0.000000000000	0.00	0.00
471	N	1	1	6300	F	26	7	52	18.00	6.340000000000	19.97	0.06
472	N	1	1	463512	F	26	7	52	1324.32	0.007520000000	1.74	0.00
473	N	1	1	6300	F	25	7	52	17.31	6.340000000000	19.97	0.05
474	N	1	1	324954	F	25	7	52	892.73	0.007520000000	1.22	0.00
475	N	1	1	6300	F	21	7	52	14.54	6.340000000000	19.97	0.05
476	N	1	1	243264	F	21	7	52	561.38	0.007520000000	0.91	0.00
477	N	1	1	4032	F	26	7	26	23.04	0.000070000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
478	VOC	2101900004	019	00004	OLW	2	40714698	1.000000000000	0	80	1.000000000000	N
479	VOC	2101900004	019	00004	OLX	1	40714697	1.000000000000	0	80	1.000000000000	N
480	VOC	2101900004	019	00004	OLX	2	40714698	1.000000000000	0	80	1.000000000000	N
481	VOC	2101900004	019	00004	OLY	1	40400103	1.000000000000	0	80	1.000000000000	N
482	VOC	2101900004	019	00004	OLY	2	40301107	1.000000000000	0	80	1.000000000000	N
483	VOC	2101900004	019	00004	OLZ	1	40400103	1.000000000000	0	80	1.000000000000	N
484	VOC	2101900004	019	00004	OLZ	2	40301107	1.000000000000	0	80	1.000000000000	N
485	VOC	2101900004	019	00004	OMA	1	40714697	1.000000000000	0	80	1.000000000000	N
486	VOC	2101900004	019	00004	OMA	2	40714698	1.000000000000	0	80	1.000000000000	N
487	VOC	2101900004	019	00004	OMB	1	40714697	1.000000000000	0	80	1.000000000000	N
488	VOC	2101900004	019	00004	OMB	2	40714698	1.000000000000	0	80	1.000000000000	N
489	VOC	2101900004	019	00004	OMC	1	40714697	1.000000000000	0	80	1.000000000000	N
490	VOC	2101900004	019	00004	OMC	2	40714698	1.000000000000	0	80	1.000000000000	N
491	VOC	2101900004	019	00004	OMD	1	40781602	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
478	N	1	1	69479.00	F	26	7	26	397.02	0.000000000000	0.00	0.00
479	N	1	1	3360.00	F	25	7	26	18.46	0.000920000000	0.00	0.00
480	N	1	1	15161.00	F	25	7	26	83.30	0.000010000000	0.00	0.00
481	N	1	1	2350.00	F	24	7	26	12.40	0.011600000000	0.01	0.00
482	N	1	1	15290.00	F	24	7	26	80.65	0.002290000000	0.02	0.00
483	N	1	1	3310.00	F	23	7	26	16.73	4.164930000000	6.89	0.03
484	N	1	1	16971.00	F	23	7	26	85.79	0.002290000000	0.02	0.00
485	N	1	1	4045.00	F	20	7	52	8.89	0.000070000000	0.00	0.00
486	N	1	1	59259.00	F	20	7	52	130.24	0.000000000000	0.00	0.00
487	N	1	1	386.00	F	19	7	52	0.81	0.002010000000	0.00	0.00
488	N	1	1	4957.00	F	19	7	52	10.35	0.000010000000	0.00	0.00
489	N	1	1	386.00	F	21	7	52	0.89	0.002010000000	0.00	0.00
490	N	1	1	1225.00	F	21	7	52	2.83	0.000010000000	0.00	0.00
491	N	1	1	43204.00	F	23	7	52	109.20	0.000010000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
492	VOC	2101900004	019	00004	OME	1	40714697	1.000000000000	0	80	1.000000000000	N
493	VOC	2101900004	019	00004	OME	2	40714698	1.000000000000	0	80	1.000000000000	N
494	VOC	2101900004	019	00004	OMG	1	40301197	1.000000000000	0	80	1.000000000000	N
495	VOC	2101900004	019	00004	OMG	2	40719601	1.000000000000	0	80	1.000000000000	N
496	VOC	2101900004	019	00004	OMH	1	40301197	1.000000000000	0	80	1.000000000000	N
497	VOC	2101900004	019	00004	OMH	2	40301198	1.000000000000	0	80	1.000000000000	N
498	VOC	2101900004	019	00004	OMI	1	40301197	1.000000000000	0	80	1.000000000000	N
499	VOC	2101900004	019	00004	OMI	2	40301198	1.000000000000	0	80	1.000000000000	N
500	VOC	2101900004	019	00004	OMJ	1	40301150	1.000000000000	0	80	1.000000000000	N
501	VOC	2101900004	019	00004	OMJ	2	40301197	1.000000000000	0	80	1.000000000000	N
502	VOC	2101900004	019	00004	OMK	1	40301150	1.000000000000	0	80	1.000000000000	N
503	VOC	2101900004	019	00004	OMK	2	40301197	1.000000000000	0	80	1.000000000000	N
504	VOC	2101900004	019	00004	OMM	1	40714697	1.000000000000	0	80	1.000000000000	N
505	VOC	2101900004	019	00004	OMM	2	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
492	N	1	1	3420.00	F	17	7	52	6.39	0.568350000000	0.97	0.00
493	N	1	1	19898.00	F	17	7	52	37.17	0.040560000000	0.40	0.00
494	N	1	1	744.00	F	3	7	52	0.25	0.005030000000	0.00	0.00
495	N	1	1	492.00	F	3	7	52	0.16	1.432830000000	0.35	0.00
496	N	1	1	154101.00	F	27	7	52	457.22	0.072100000000	5.56	0.02
497	N	1	1	13.00	F	27	7	52	0.04	3.013620000000	0.02	0.00
498	N	1	1	154101.00	F	27	7	52	457.22	0.072100000000	5.56	0.02
499	N	1	1	25.00	F	27	7	52	0.07	2.941550000000	0.04	0.00
500	N	1	1	420.00	F	42	7	52	1.94	16.003600000000	3.36	0.02
501	N	1	1	3371.00	F	42	7	52	15.56	0.005360000000	0.01	0.00
502	N	1	1	1260.00	F	100	7	52	13.85	0.528020000000	0.33	0.00
503	N	1	1	1042.00	F	100	7	52	11.45	0.003370000000	0.00	0.00
504	N	1	1	2.00	F	28	7	52	0.01	76.147900000000	0.08	0.00
505	N	1	1	115.00	F	28	7	52	0.35	4.114820000000	0.24	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
506	VOC	2101900004	019	00004	OMN	1	40714697	1.000000000000	0	80	1.000000000000	N
507	VOC	2101900004	019	00004	OMN	2	40714698	1.000000000000	0	80	1.000000000000	N
508	VOC	2101900004	019	00004	OMP	1	40301099	1.000000000000	0	80	1.000000000000	N
509	VOC	2101900004	019	00004	OMQ	1	40714697	1.000000000000	0	80	1.000000000000	N
510	VOC	2101900004	019	00004	OMQ	2	40714698	1.000000000000	0	80	1.000000000000	N
511	VOC	2101900004	019	00004	OMR	1	40706020	1.000000000000	0	80	1.000000000000	N
512	VOC	2101900004	019	00004	OMT	1	40714698	1.000000000000	0	80	1.000000000000	N
513	VOC	2101900004	019	00004	OMT	2	10500106	1.000000000000	0	80	1.000000000000	N
514	VOC	2101900004	019	00004	OMU	1	40714698	1.000000000000	0	80	1.000000000000	N
515	VOC	2101900004	019	00004	OMU	2	10500106	1.000000000000	0	80	1.000000000000	N
516	VOC	2101900004	019	00004	OMZ	1	40714698	1.000000000000	0	80	1.000000000000	N
517	VOC	2101900004	019	00004	ON1	1	40700809	1.000000000000	0	80	1.000000000000	N
518	VOC	2101900004	019	00004	ON1	2	40700810	1.000000000000	0	80	1.000000000000	N
519	VOC	2101900004	019	00004	ON1	3	30600812	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
506	N	1	1	2.00	F	30	7	52	0.01	1.502810000000	0.00	0.00
507	N	1	1	78.00	F	30	7	52	0.26	0.016490000000	0.00	0.00
508	N	1	1	0.30	F	0	7	52	0.00	181.400000000000	0.03	0.00
509	N	1	1	5000.00	F	27	7	52	14.84	0.300800000000	0.75	0.00
510	N	1	1	677200.00	F	27	7	52	2009.27	0.008570000000	2.90	0.01
511	N	1	1	9.00	F	25	7	52	0.02	0.000010000000	0.00	0.00
512	N	1	1	6394.00	F	8	7	52	5.62	0.000000000000	0.00	0.00
513	N	1	1	0.87	F	8	7	52	0.00	2.694060000000	0.00	0.00
514	N	1	1	2521.00	F	0	7	52	0.00	0.000000000000	0.00	0.00
515	N	1	1	0.34	F	0	7	52	0.00	2.694060000000	0.00	0.00
516	N	1	1	10795.00	F	20	7	52	23.73	0.000010000000	0.00	0.00
517	N	1	1	30.00	F	0	7	52	0.00	3.646330000000	0.05	0.00
518	N	1	1	0.00	F	0	7	52	0.00	0.170020000000	0.00	0.00
519	N	1	1	1.00	F	0	7	52	0.00	52.560000000000	0.03	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
520	VOC	2101900004	019	00004	0N1	4	30600816	1.000000000000	0	80	1.000000000000	N
521	VOC	2101900004	019	00004	0N2	1	40700809	1.000000000000	0	80	1.000000000000	N
522	VOC	2101900004	019	00004	0N2	2	40700810	1.000000000000	0	80	1.000000000000	N
523	VOC	2101900004	019	00004	0NC	1	40714697	1.000000000000	0	80	1.000000000000	N
524	VOC	2101900004	019	00004	0NC	2	40714698	1.000000000000	0	80	1.000000000000	N
525	VOC	2101900004	019	00004	0NE	1	40714697	1.000000000000	0	80	1.000000000000	N
526	VOC	2101900004	019	00004	0NE	2	40714698	1.000000000000	0	80	1.000000000000	N
527	VOC	2101900004	019	00004	0NE	3	30600813	1.000000000000	0	80	1.000000000000	N
528	VOC	2101900004	019	00004	0NE	4	30600816	1.000000000000	0	80	1.000000000000	N
529	VOC	2101900004	019	00004	0NE	5	30600818	1.000000000000	0	80	1.000000000000	N
530	VOC	2101900004	019	00004	0NF	1	40301018	1.000000000000	0	80	1.000000000000	N
531	VOC	2101900004	019	00004	0NF	2	40301017	1.000000000000	0	80	1.000000000000	N
532	VOC	2101900004	019	00004	0NG	1	40714698	1.000000000000	0	80	1.000000000000	N
533	VOC	2101900004	019	00004	0NG	2	40714697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
520	N	1	1	2	F	0	7	52	0.000	4.905600000000	0.00	0.00
521	N	1	1	30	F	0	7	52	0.000	3.646330000000	0.05	0.00
522	N	1	1	0	F	0	7	52	0.000	0.170020000000	0.00	0.00
523	N	1	1	1176	F	6	7	52	0.775	0.000020000000	0.00	0.00
524	N	1	1	4506	F	6	7	52	2.971	0.000000000000	0.00	0.00
525	N	1	1	0	F	0	7	52	0.000	0.378300000000	0.00	0.00
526	N	1	1	0	F	0	7	52	0.000	0.003250000000	0.00	0.00
527	N	1	1	0	F	0	7	52	0.000	4.380000000000	0.00	0.00
528	N	1	1	0	F	0	7	52	0.000	4.900000000000	0.00	0.00
529	N	1	1	0	F	0	7	52	0.000	262.800000000000	0.00	0.00
530	N	1	1	0	F	25	7	52	0.000	0.030000000000	0.00	0.00
531	N	1	1	92	F	25	7	52	0.253	0.369100000000	0.02	0.00
532	N	1	1	29	F	0	7	26	0.000	0.000010000000	0.00	0.00
533	N	1	1	210	F	0	7	26	0.000	0.000010000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
534	VOC	2101900004	019	00004	ONH	1	40714698	1.000000000000	0	80	1.000000000000	N
535	VOC	2101900004	019	00004	ONH	2	40714697	1.000000000000	0	80	1.000000000000	N
536	VOC	2101900004	019	00004	ONI	1	40714698	1.000000000000	0	80	1.000000000000	N
537	VOC	2101900004	019	00004	ONI	2	40714697	1.000000000000	0	80	1.000000000000	N
538	VOC	2101900004	019	00004	ONK	1	40301198	1.000000000000	0	80	1.000000000000	N
539	VOC	2101900004	019	00004	ONK	2	40301197	1.000000000000	0	80	1.000000000000	N
540	VOC	2101900004	019	00004	ONL	1	40301155	1.000000000000	0	80	1.000000000000	N
541	VOC	2101900004	019	00004	ONL	2	40301120	1.000000000000	0	80	1.000000000000	N
542	VOC	2101900004	019	00004	ONP	1	40714697	1.000000000000	95	80	0.240000000000	N
543	VOC	2101900004	019	00004	ONP	2	40714698	1.000000000000	95	80	0.240000000000	N
544	VOC	2101900004	019	00004	ONQ	1	40714697	1.000000000000	95	80	0.240000000000	N
545	VOC	2101900004	019	00004	ONQ	2	40714698	1.000000000000	95	80	0.240000000000	N
546	VOC	2101900004	019	00004	ONR	1	40714697	1.000000000000	0	80	1.000000000000	N
547	VOC	2101900004	019	00004	ONR	2	40714698	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
534	N	1	1	0	F	0	7	13	0.000	0.000010000000	0.00	0.00
535	N	1	1	60	F	0	7	13	0.000	0.000010000000	0.00	0.00
536	N	1	1	0	F	0	7	52	0.000	0.000010000000	0.00	0.00
537	N	1	1	60	F	0	7	52	0.000	0.000010000000	0.00	0.00
538	N	1	1	4200	F	21	7	52	9.692	0.002670000000	0.01	0.00
539	N	1	1	66518	F	21	7	52	153.503	0.001940000000	0.06	0.00
540	N	1	1	4200	F	37	7	52	17.077	0.002670000000	0.01	0.00
541	N	1	1	138541	F	37	7	52	563.299	0.001940000000	0.13	0.00
542	N	1	1	176	F	25	7	52	0.484	0.031630000000	0.00	0.00
543	N	1	1	9600	F	25	7	52	26.374	0.009020000000	0.01	0.00
544	N	1	1	176	F	25	7	52	0.484	0.031630000000	0.00	0.00
545	N	1	1	9600	F	25	7	52	26.374	0.009020000000	0.01	0.00
546	N	1	1	2814	F	10	7	52	3.092	0.000030000000	0.00	0.00
547	N	1	1	254929	F	10	7	52	280.142	0.000030000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
548	VOC	2101900004	019	00004	ONS	1	40714697	1.000000000000	0	80	1.000000000000	N
549	VOC	2101900004	019	00004	ONS	2	40714698	1.000000000000	0	80	1.000000000000	N
550	VOC	2101900004	019	00004	ONT	1	40714697	1.000000000000	0	80	1.000000000000	N
551	VOC	2101900004	019	00004	ONT	2	40714698	1.000000000000	0	80	1.000000000000	N
552	VOC	2101900004	019	00004	ONU	1	40301150	1.000000000000	0	80	1.000000000000	N
553	VOC	2101900004	019	00004	ONU	2	40301197	1.000000000000	0	80	1.000000000000	N
554	VOC	2101900004	019	00004	ONV	1	40301150	1.000000000000	0	80	1.000000000000	N
555	VOC	2101900004	019	00004	ONV	2	40301197	1.000000000000	0	80	1.000000000000	N
556	VOC	2101900004	019	00004	ONW	1	40301150	1.000000000000	0	80	1.000000000000	N
557	VOC	2101900004	019	00004	ONW	2	40301197	1.000000000000	0	80	1.000000000000	N
558	VOC	2101900004	019	00004	ONX	1	40301150	1.000000000000	0	80	1.000000000000	N
559	VOC	2101900004	019	00004	ONX	2	40301197	1.000000000000	0	80	1.000000000000	N
560	VOC	2101900004	019	00004	ONY	1	40301150	1.000000000000	0	80	1.000000000000	N
561	VOC	2101900004	019	00004	ONY	2	40301197	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
548	N	1	1	504	F	31	7	52	1.717	3.164680000000	0.80	0.00
549	N	1	1	11082	F	31	7	52	37.752	0.162510000000	0.90	0.00
550	N	1	1	147	F	0	7	52	0.000	1.225730000000	0.09	0.00
551	N	1	1	163	F	0	7	52	0.000	0.012200000000	0.00	0.00
552	N	1	1	504	F	31	7	52	1.717	0.385160000000	0.10	0.00
553	N	1	1	5367	F	31	7	52	18.283	0.005470000000	0.01	0.00
554	N	1	1	504	F	26	7	52	1.440	0.385160000000	0.10	0.00
555	N	1	1	6067	F	26	7	52	17.334	0.005470000000	0.02	0.00
556	N	1	1	147	F	32	7	52	0.517	1.505130000000	0.11	0.00
557	N	1	1	393	F	32	7	52	1.382	0.009300000000	0.00	0.00
558	N	1	1	147	F	1	7	52	0.016	1.505130000000	0.11	0.00
559	N	1	1	81	F	1	7	52	0.009	0.009300000000	0.00	0.00
560	N	1	1	147	F	0	7	52	0.000	1.505130000000	0.11	0.00
561	N	1	1	698	F	0	7	52	0.000	0.009300000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
562	VOC	2101900004	019	00004	0NZ	1	30600812	1.000000000000	0	80	1.000000000000	N
563	VOC	2101900004	019	00004	0NZ	2	30600817	1.000000000000	0	80	1.000000000000	N
564	VOC	2101900004	019	00004	0NZ	3	30600816	1.000000000000	0	80	1.000000000000	N
565	VOC	2101900004	019	00004	0P1	1	40703605	1.000000000000	0	80	1.000000000000	N
566	VOC	2101900004	019	00004	0P1	2	40703606	1.000000000000	0	80	1.000000000000	N
567	VOC	2101900004	019	00004	0P2	1	40703601	1.000000000000	0	80	1.000000000000	N
568	VOC	2101900004	019	00004	0P2	2	40703602	1.000000000000	0	80	1.000000000000	N
569	VOC	2101900004	019	00004	0P4	1	30600811	1.000000000000	0	80	1.000000000000	N
570	VOC	2101900004	019	00004	0P4	2	30600811	1.000000000000	0	80	1.000000000000	N
571	VOC	2101900004	019	00004	0P4	3	30600812	1.000000000000	0	80	1.000000000000	N
572	VOC	2101900004	019	00004	0P4	4	30600812	1.000000000000	0	80	1.000000000000	N
573	VOC	2101900004	019	00004	0P4	5	30600813	1.000000000000	0	80	1.000000000000	N
574	VOC	2101900004	019	00004	0P4	6	30600816	1.000000000000	0	80	1.000000000000	N
575	VOC	2101900004	019	00004	0P4	7	30600816	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
562	N	1	1	250	F	25	7	52	0.687	49.096300000000	6.14	0.02
563	N	1	1	8	F	25	7	52	0.022	425.880000000000	1.70	0.00
564	N	1	1	500	F	25	7	52	1.374	4.892160000000	1.22	0.00
565	N	1	1	420	F	35	7	12	7.000	0.196050000000	0.04	0.00
566	N	1	1	47565	F	35	7	12	792.750	0.006170000000	0.15	0.00
567	N	1	1	1512	F	54	7	52	8.972	0.897030000000	0.68	0.00
568	N	1	1	8620	F	54	7	52	51.152	0.003350000000	0.01	0.00
569	N	1	1	136	F	25	7	52	0.374	38.015800000000	2.59	0.01
570	N	1	1	94	F	25	7	52	0.258	28.591100000000	1.34	0.00
571	N	1	1	633	F	25	7	52	1.739	32.203000000000	10.19	0.03
572	N	1	1	219	F	25	7	52	0.602	49.144000000000	5.38	0.01
573	N	1	1	69	F	25	7	52	0.190	4.380000000000	0.15	0.00
574	N	1	1	1023	F	25	7	52	2.810	4.905600000000	2.51	0.01
575	N	1	1	2779	F	25	7	52	7.635	2.102400000000	2.92	0.01

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
576	VOC	2101900004	019	00004	OP4	8	30600816	1.000000000000	0.0	80	1.000000000000	N
577	VOC	2101900004	019	00004	OP4	9	30600822	1.000000000000	0.0	80	1.000000000000	N
578	VOC	2101900004	019	00004	OP4	10	30600817	1.000000000000	0.0	80	1.000000000000	N
579	VOC	2101900004	019	00004	OPA	1	40301154	1.000000000000	0.0	80	1.000000000000	N
580	VOC	2101900004	019	00004	OPA	2	40301119	1.000000000000	0.0	80	1.000000000000	N
581	VOC	2101900004	019	00004	OPB	1	40301155	1.000000000000	0.0	80	1.000000000000	N
582	VOC	2101900004	019	00004	OPB	2	40301120	1.000000000000	0.0	80	1.000000000000	N
583	VOC	2101900004	019	00004	OPC	1	30600812	1.000000000000	0.0	80	1.000000000000	N
584	VOC	2101900004	019	00004	OPC	2	30600816	1.000000000000	0.0	80	1.000000000000	N
585	VOC	2101900004	019	00004	OPC	3	30600817	1.000000000000	0.0	80	1.000000000000	N
586	VOC	2101900004	019	00004	OPD	1	30600812	1.000000000000	0.0	80	1.000000000000	N
587	VOC	2101900004	019	00004	OPE	1	40400103	1.000000000000	0.0	80	1.000000000000	N
588	VOC	2101900004	019	00004	OPE	2	40301107	1.000000000000	0.0	80	1.000000000000	N
589	VOC	2101900004	019	00004	OPF	1	40400103	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
576	N	1	1	33	F	25	7	52	0.091	2.978400000000	0.05	0.00
577	N	1	1	17	F	25	7	52	0.047	0.000000000000	0.00	0.00
578	N	1	1	3	F	25	7	52	0.008	394.200000000000	0.59	0.00
579	N	1	1	2520	F	6	7	52	1.662	0.013060000000	0.02	0.00
580	N	1	1	17799	F	6	7	52	11.736	0.056000000000	0.50	0.00
581	N	1	1	4200	F	30	7	52	13.846	0.011360000000	0.02	0.00
582	N	1	1	68146	F	30	7	52	224.657	0.001940000000	0.07	0.00
583	N	1	1	343	F	25	7	52	0.942	0.000500000000	0.00	0.00
584	N	1	1	572	F	25	7	52	1.571	0.000560000000	0.00	0.00
585	N	1	1	2	F	25	7	52	0.005	0.030000000000	0.00	0.00
586	N	1	1	1	F	25	7	52	0.003	0.000530000000	0.00	0.00
587	N	1	1	2037	F	28	7	52	6.268	3.376430000000	3.44	0.01
588	N	1	1	107671	F	28	7	52	331.295	0.002660000000	0.14	0.00
589	N	1	1	2037	F	24	7	52	5.372	3.376430000000	3.44	0.01

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
590	VOC	2101900004	019	00004	OPF	2	40301107	1.000000000000	0.0	80	1.000000000000	N
591	VOC	2101900004	019	00004	OPG	1	40400103	1.000000000000	0.0	80	1.000000000000	N
592	VOC	2101900004	019	00004	OPG	2	40301107	1.000000000000	0.0	80	1.000000000000	N
593	VOC	2101900004	019	00004	OPH	1	30600817	1.000000000000	0.0	80	1.000000000000	N
594	VOC	2101900004	019	00004	OPH	2	30600816	1.000000000000	0.0	80	1.000000000000	N
595	VOC	2101900004	019	00004	OPH	3	30600812	1.000000000000	0.0	80	1.000000000000	N
596	VOC	2101900004	019	00004	OPI	1	30600817	1.000000000000	0.0	80	1.000000000000	N
597	VOC	2101900004	019	00004	OPI	2	30600816	1.000000000000	0.0	80	1.000000000000	N
598	VOC	2101900004	019	00004	OPI	3	30600812	1.000000000000	0.0	80	1.000000000000	N
599	VOC	2101900004	019	00004	OPJ	1	30600817	1.000000000000	0.0	80	1.000000000000	N
600	VOC	2101900004	019	00004	OPJ	2	30600816	1.000000000000	0.0	80	1.000000000000	N
601	VOC	2101900004	019	00004	OPJ	3	30600812	1.000000000000	0.0	80	1.000000000000	N
602	VOC	2101900004	019	00004	OPW	1	30600812	1.000000000000	0.0	80	1.000000000000	N
603	VOC	2101900004	019	00004	OPW	2	30600816	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
590	N	1	1	114106	F	24	7	52	300.94	0.002660000000	0.15	0.00
591	N	1	1	2037	F	22	7	52	4.92	3.376430000000	3.44	0.01
592	N	1	1	97405	F	22	7	52	235.48	0.002660000000	0.13	0.00
593	N	1	1	3	F	25	7	52	0.01	438.000000000000	0.66	0.00
594	N	1	1	196	F	25	7	52	0.54	4.905600000000	0.48	0.00
595	N	1	1	98	F	25	7	52	0.27	49.145400000000	2.41	0.01
596	N	1	1	2	F	25	7	52	0.01	438.000000000000	0.44	0.00
597	N	1	1	80	F	25	7	52	0.22	4.905600000000	0.20	0.00
598	N	1	1	40	F	25	7	52	0.11	49.143600000000	0.98	0.00
599	N	1	1	2	F	25	7	52	0.01	438.000000000000	0.44	0.00
600	N	1	1	80	F	25	7	52	0.22	4.905600000000	0.20	0.00
601	N	1	1	40	F	25	7	52	0.11	49.143600000000	0.98	0.00
602	N	1	1	70	F	25	7	52	0.19	49.196200000000	1.72	0.00
603	N	1	1	210	F	25	7	52	0.58	4.905600000000	0.52	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
604	VOC	2101900004	019	00004	0PW	3	30600817	1.000000000000	0.0	80	1.000000000000	N
605	VOC	2101900004	019	00004	0PY	1	40714697	1.000000000000	0.0	80	1.000000000000	N
606	VOC	2101900004	019	00004	0PY	2	40714698	1.000000000000	0.0	80	1.000000000000	N
607	VOC	2101900004	019	00004	0PY	3	30600812	1.000000000000	0.0	80	1.000000000000	N
608	VOC	2101900004	019	00004	0PY	4	30600816	1.000000000000	0.0	80	1.000000000000	N
609	VOC	2101900004	019	00004	0PZ	1	40714697	1.000000000000	0.0	80	1.000000000000	N
610	VOC	2101900004	019	00004	0PZ	2	40714698	1.000000000000	0.0	80	1.000000000000	N
611	VOC	2101900004	019	00004	0Q1	1	30600805	1.000000000000	.	80	1.000000000000	N
612	VOC	2101900004	019	00004	0Q5	1	30600811	1.000000000000	77.6	80	0.379200000000	N
613	VOC	2101900004	019	00004	0Q5	2	30600812	1.000000000000	77.6	80	0.379200000000	N
614	VOC	2101900004	019	00004	0Q5	3	30600816	1.000000000000	77.6	80	0.379200000000	N
615	VOC	2101900004	019	00004	0Q5	4	30600817	1.000000000000	77.6	80	0.379200000000	N
616	VOC	2101900004	019	00004	0Q9	2	40600131	1.000000000000	99.7	80	0.202400000000	N
617	VOC	2101900004	019	00004	0Q9	3	40600131	1.000000000000	99.7	80	0.202400000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
604	N	1	1	11	F	25	7	52	0.03	0.000000000000	0.00	0.00
605	N	1	1	1176	F	32	7	52	4.14	5.143590000000	3.02	0.01
606	N	1	1	3880	F	32	7	52	13.64	0.003560000000	0.01	0.00
607	N	1	1	50	F	32	7	52	0.18	52.560000000000	1.31	0.00
608	N	1	1	200	F	32	7	52	0.70	4.910000000000	0.49	0.00
609	N	1	1	3	F	21	7	52	0.01	3.400970000000	0.01	0.00
610	N	1	1	6	F	21	7	52	0.01	0.153090000000	0.00	0.00
611	N	1	1	.	Y	.	.	.	0.00	.	0.00	0.00
612	N	1	1	68	F	25	7	52	0.19	516.840000000000	6.66	0.02
613	N	1	1	210	F	25	7	52	0.58	210.240000000000	8.37	0.02
614	N	1	1	1112	F	25	7	52	3.05	4.905600000000	1.03	0.00
615	N	1	1	4	F	25	7	52	0.01	2190.000000000000	1.66	0.00
616	N	1	1	319881	F	25	7	52	878.79	5.000000000000	161.86	0.44
617	N	1	1	32007	F	25	7	52	87.93	5.000000000000	16.20	0.04

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
618	VOC	2101900004	019	00004	0QA	1	30600801	1.000000000000	70.0	80	0.440000000000	N
619	VOC	2101900004	019	00004	0QB	1	30600802	1.000000000000	99.9	80	0.200800000000	N
620	VOC	2101900004	019	00004	0QC	1	30600803	1.000000000000	70.0	80	0.440000000000	N
621	VOC	2101900004	019	00004	0QD	1	30600804	1.000000000000	70.0	80	0.440000000000	N
622	VOC	2101900004	019	00004	0QE	1	30600503	1.000000000000	96.0	80	0.232000000000	N
623	VOC	2101900004	019	00004	0QF	1	30600702	1.000000000000	0.0	80	1.000000000000	N
624	VOC	2101900004	019	00004	0QG	1	30600603	1.000000000000	99.9	80	0.200800000000	N
625	VOC	2101900004	019	00004	0QH	1	30600807	1.000000000000	0.0	80	1.000000000000	N
626	VOC	2101900004	019	00004	0QI	1	30600805	1.000000000000	70.0	80	0.440000000000	N
627	VOC	2101900004	019	00004	0QK	1	30699999	1.000000000000	0.0	80	1.000000000000	N
628	VOC	2101900004	019	00004	0QL	1	30699999	1.000000000000	0.0	80	1.000000000000	N
629	VOC	2101900004	019	00004	0QR	1	30600401	1.000000000000	0.0	80	1.000000000000	N
630	VOC	2101900004	019	00004	0QS	1	30699999	1.000000000000	0.0	80	1.000000000000	N
631	VOC	2101900004	019	00004	0QT	1	30699998	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
618	N	1	1	75801	F	30	7	52	249.89	16.300000000000	271.82	0.90
619	N	1	1	75801	F	30	7	52	249.89	2.900000000000	22.07	0.07
620	N	1	1	75801	F	30	7	52	249.89	4.110000000000	68.54	0.23
621	N	1	1	75801	F	30	7	52	249.89	3.700000000000	61.70	0.20
622	N	1	1	2032655	F	30	7	52	6701.06	5.000000000000	1178.94	3.89
623	N	1	1	75801	F	29	7	52	241.56	10.000000000000	379.01	1.21
624	N	1	1	75801	F	29	7	52	241.56	18.000000000000	136.99	0.44
625	N	1	1	75801	F	30	7	52	249.89	0.300000000000	11.37	0.04
626	N	1	1	75801	F	30	7	52	249.89	10.000000000000	166.76	0.55
627	N	1	1	4978343	F	25	7	52	13676.77	0.000000000000	0.00	0.00
628	N	1	1	4978343	F	25	7	52	13676.77	0.000000000000	0.00	0.00
629	N	1	1	75801	F	29	7	52	241.56	0.800000000000	30.32	0.10
630	N	1	1	0	F	0	7	52	0.00	0.000000000000	0.00	0.00
631	N	1	1	36	F	36	7	52	0.14	0.000000000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
632	VOC	2101900004	019	00004	0QT	2	39990024	1.000000000000	0	80	1.000000000000	N
633	VOC	2101900004	019	00004	0QU	1	30600904	1.000000000000	0	80	1.000000000000	N
634	VOC	2101900004	019	00004	0QV	1	30699999	1.000000000000	0	80	1.000000000000	N
635	VOC	2101900004	019	00004	0QW	1	30699999	1.000000000000	99	80	0.208000000000	N
636	VOC	2101900004	019	00004	0QW	2	30600812	1.000000000000	0	80	1.000000000000	N
637	VOC	2101900004	019	00004	0QW	3	30600813	1.000000000000	0	80	1.000000000000	N
638	VOC	2101900004	019	00004	0QW	4	30600816	1.000000000000	0	80	1.000000000000	N
639	VOC	2101900004	019	00004	0QW	5	30600820	1.000000000000	0	80	1.000000000000	N
640	VOC	2101900004	019	00004	0QX	1	30699998	1.000000000000	0	80	1.000000000000	N
641	VOC	2101900004	019	00004	0QX	2	39990024	1.000000000000	0	80	1.000000000000	N
642	VOC	2101900004	019	00004	0QY	1	30699998	1.000000000000	0	80	1.000000000000	N
643	VOC	2101900004	019	00004	0QZ	1	30600816	1.000000000000	0	80	1.000000000000	N
644	VOC	2101900004	019	00004	0QZ	2	30600816	1.000000000000	0	80	1.000000000000	N
645	VOC	2101900004	019	00004	0QZ	3	30600811	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
632	N	1	1	1	F	36	7	52	0.004	5.300000000000	0.00	0.00
633	N	1	1	0	F	0	7	52	0.000	2.800000000000	0.00	0.00
634	N	1	1	144109	F	28	7	52	443.412	0.000000000000	0.00	0.00
635	N	1	1	292742	F	18	7	52	579.050	0.000000000000	0.00	0.00
636	N	1	1	3	F	18	7	52	0.006	121.764000000000	0.18	0.00
637	N	1	1	0	F	18	7	52	0.000	52.560000000000	0.00	0.00
638	N	1	1	0	F	18	7	52	0.000	4.905600000000	0.00	0.00
639	N	1	1	1	F	18	7	52	0.002	0.000000000000	0.00	0.00
640	N	1	1	207	F	23	7	52	0.523	0.113300000000	0.01	0.00
641	N	1	1	2	F	23	7	52	0.005	4.730000000000	0.00	0.00
642	N	1	1	147209	F	14	7	52	226.475	0.000000000000	0.00	0.00
643	N	1	1	124	F	25	7	52	0.341	4.905600000000	0.30	0.00
644	N	1	1	256	F	25	7	52	0.703	3.153600000000	0.40	0.00
645	N	1	1	31	F	25	7	52	0.085	43.800000000000	0.68	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
646	VOC	2101900004	019	00004	0QZ	4	30600811	1.000000000000	0	80	1.000000000000	N
647	VOC	2101900004	019	00004	0RA	1	40600136	1.000000000000	0	80	1.000000000000	N
648	VOC	2101900004	019	00004	0RA	2	40600136	1.000000000000	0	80	1.000000000000	N
649	VOC	2101900004	019	00004	0RA	3	40600139	1.000000000000	0	80	1.000000000000	N
650	VOC	2101900004	019	00004	0RA	4	30600812	1.000000000000	0	80	1.000000000000	N
651	VOC	2101900004	019	00004	0RA	5	30600813	1.000000000000	0	80	1.000000000000	N
652	VOC	2101900004	019	00004	0RA	6	30600816	1.000000000000	0	80	1.000000000000	N
653	VOC	2101900004	019	00004	0RB	1	40600131	1.000000000000	98	80	0.216000000000	N
654	VOC	2101900004	019	00004	0RB	2	40600131	1.000000000000	98	80	0.216000000000	N
655	VOC	2101900004	019	00004	0RB	3	40600131	1.000000000000	98	80	0.216000000000	N
656	VOC	2101900004	019	00004	0RB	4	40600131	1.000000000000	98	80	0.216000000000	N
657	VOC	2101900004	019	00004	0RB	5	40600131	1.000000000000	98	80	0.216000000000	N
658	VOC	2101900004	019	00004	0RB	6	40600131	1.000000000000	98	80	0.216000000000	N
659	VOC	2101900004	019	00004	0RB	7	40600131	1.000000000000	98	80	0.216000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
646	N	1	1	64	F	25	7	52	0.176	26.280000000000	0.84	0.00
647	N	1	1	0	F	25	7	52	0.000	2.487000000000	0.00	0.00
648	N	1	1	232024	F	25	7	52	637.429	0.030000000000	3.48	0.01
649	N	1	1	18406	F	25	7	52	50.566	0.040000000000	0.37	0.00
650	N	1	1	75	F	25	7	52	0.206	49.056000000000	1.84	0.01
651	N	1	1	41	F	25	7	52	0.113	4.380000000000	0.09	0.00
652	N	1	1	302	F	25	7	52	0.830	4.905600000000	0.74	0.00
653	N	1	1	6831	F	24	7	52	18.016	0.340490000000	0.25	0.00
654	N	1	1	3628	F	24	7	52	9.568	0.235380000000	0.09	0.00
655	N	1	1	0	F	24	7	52	0.000	0.156920000000	0.00	0.00
656	N	1	1	7127	F	24	7	52	18.796	0.185050000000	0.14	0.00
657	N	1	1	6821	F	24	7	52	17.989	0.185050000000	0.14	0.00
658	N	1	1	5881	F	24	7	52	15.510	0.384900000000	0.24	0.00
659	N	1	1	0	F	24	7	52	0.000	0.019250000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
660	VOC	2101900004	019	00004	ORB	8	40600131	1.000000000000	98	80	0.216000000000	N
661	VOC	2101900004	019	00004	ORB	9	40600131	1.000000000000	98	80	0.216000000000	N
662	VOC	2101900004	019	00004	ORB	10	40600131	1.000000000000	98	80	0.216000000000	N
663	VOC	2101900004	019	00004	ORB	11	40600131	1.000000000000	98	80	0.216000000000	N
664	VOC	2101900004	019	00004	ORB	12	40600131	1.000000000000	98	80	0.216000000000	N
665	VOC	2101900004	019	00004	ORB	13	40600131	1.000000000000	98	80	0.216000000000	N
666	VOC	2101900004	019	00004	ORB	14	40600131	1.000000000000	98	80	0.216000000000	N
667	VOC	2101900004	019	00004	ORB	15	40600131	1.000000000000	98	80	0.216000000000	N
668	VOC	2101900004	019	00004	ORB	16	30600822	1.000000000000	98	80	0.216000000000	N
669	VOC	2101900004	019	00004	ORB	17	40600232	1.000000000000	98	80	0.216000000000	N
670	VOC	2101900004	019	00004	ORB	18	40600131	1.000000000000	98	80	0.216000000000	N
671	VOC	2101900004	019	00004	ORC	1	40600136	1.000000000000	0	80	1.000000000000	N
672	VOC	2101900004	019	00004	ORC	2	40600136	1.000000000000	0	80	1.000000000000	N
673	VOC	2101900004	019	00004	ORC	3	40600136	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
660	N	1	1	2571	F	24	7	52	6.781	0.185050000000	0.05	0.00
661	N	1	1	3361	F	24	7	52	8.864	0.185050000000	0.07	0.00
662	N	1	1	1507	F	24	7	52	3.975	0.185050000000	0.03	0.00
663	N	1	1	2129	F	24	7	52	5.615	0.048120000000	0.01	0.00
664	N	1	1	1511	F	24	7	52	3.985	0.055510000000	0.01	0.00
665	N	1	1	3312	F	24	7	52	8.735	0.185050000000	0.07	0.00
666	N	1	1	4	F	24	7	52	0.011	0.185030000000	0.00	0.00
667	N	1	1	44682	F	24	7	52	117.843	0.161070000000	0.78	0.00
668	N	1	1	1	F	24	7	52	0.003	9.800000000000	0.00	0.00
669	N	1	1	0	F	24	7	52	0.000	7.278210000000	0.00	0.00
670	N	1	1	0	F	24	7	52	0.000	21.108900000000	0.00	0.00
671	N	1	1	5202	F	28	7	52	16.006	0.447200000000	1.16	0.00
672	N	1	1	8558	F	28	7	52	26.332	0.568840000000	2.43	0.01
673	N	1	1	4616	F	28	7	52	14.203	0.930180000000	2.15	0.01

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
674	VOC	2101900004	019	00004	ORC	4	40600136	1.000000000000	0	80	1.000000000000	N
675	VOC	2101900004	019	00004	ORC	5	40600136	1.000000000000	0	80	1.000000000000	N
676	VOC	2101900004	019	00004	ORC	6	40600136	1.000000000000	0	80	1.000000000000	N
677	VOC	2101900004	019	00004	ORC	7	40600136	1.000000000000	0	80	1.000000000000	N
678	VOC	2101900004	019	00004	ORC	8	40600136	1.000000000000	0	80	1.000000000000	N
679	VOC	2101900004	019	00004	ORC	9	40600136	1.000000000000	0	80	1.000000000000	N
680	VOC	2101900004	019	00004	ORC	10	40600136	1.000000000000	0	80	1.000000000000	N
681	VOC	2101900004	019	00004	ORC	11	40600136	1.000000000000	0	80	1.000000000000	N
682	VOC	2101900004	019	00004	ORC	12	30600813	1.000000000000	0	80	1.000000000000	N
683	VOC	2101900004	019	00004	ORC	13	30600816	1.000000000000	0	80	1.000000000000	N
684	VOC	2101900004	019	00004	ORC	14	40600136	1.000000000000	0	80	1.000000000000	N
685	VOC	2101900004	019	00004	ORD	1	40600136	1.000000000000	0	80	1.000000000000	N
686	VOC	2101900004	019	00004	ORD	2	40600136	1.000000000000	0	80	1.000000000000	N
687	VOC	2101900004	019	00004	ORD	3	40600136	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
674	N	1	1	0	F	28	7	52	0.000	0.447200000000	0.00	0.00
675	N	1	1	8811	F	28	7	52	27.111	0.447200000000	1.97	0.01
676	N	1	1	11649	F	28	7	52	35.843	0.447200000000	2.60	0.01
677	N	1	1	6540	F	28	7	52	20.123	0.447200000000	1.46	0.00
678	N	1	1	2141	F	28	7	52	6.588	0.447200000000	0.48	0.00
679	N	1	1	0	F	28	7	52	0.000	0.379230000000	0.00	0.00
680	N	1	1	1300	F	28	7	52	4.000	0.447200000000	0.29	0.00
681	N	1	1	10392	F	28	7	52	31.975	0.340490000000	1.77	0.01
682	N	1	1	3	F	28	7	52	0.009	4.380000000000	0.01	0.00
683	N	1	1	12	F	28	7	52	0.037	4.900000000000	0.03	0.00
684	N	1	1	0	F	28	7	52	0.000	0.048750000000	0.00	0.00
685	N	1	1	1625	F	26	7	52	4.643	0.697640000000	0.57	0.00
686	N	1	1	0	F	26	7	52	0.000	1.674330000000	0.00	0.00
687	N	1	1	0	F	26	7	52	0.000	0.013930000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
688	VOC	2101900004	019	00004	ORD	4	40600136	1.000000000000	0	80	1.000000000000	N
689	VOC	2101900004	019	00004	ORD	5	40600131	1.000000000000	0	80	1.000000000000	N
690	VOC	2101900004	019	00004	ORD	6	40600136	1.000000000000	0	80	1.000000000000	N
691	VOC	2101900004	019	00004	ORE	1	40600299	1.000000000000	0	80	1.000000000000	N
692	VOC	2101900004	019	00004	ORE	2	40600299	1.000000000000	0	80	1.000000000000	N
693	VOC	2101900004	019	00004	ORE	3	40600299	1.000000000000	0	80	1.000000000000	N
694	VOC	2101900004	019	00004	ORE	4	40600249	1.000000000000	0	80	1.000000000000	N
695	VOC	2101900004	019	00004	ORE	5	40600299	1.000000000000	0	80	1.000000000000	N
696	VOC	2101900004	019	00004	ORE	6	40600299	1.000000000000	0	80	1.000000000000	N
697	VOC	2101900004	019	00004	ORE	7	40600299	1.000000000000	0	80	1.000000000000	N
698	VOC	2101900004	019	00004	ORE	8	40600299	1.000000000000	0	80	1.000000000000	N
699	VOC	2101900004	019	00004	ORE	9	40600299	1.000000000000	0	80	1.000000000000	N
700	VOC	2101900004	019	00004	ORF	1	40600246	1.000000000000	0	80	1.000000000000	N
701	VOC	2101900004	019	00004	ORF	2	40600248	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
688	N	1	1	0	F	26	7	52	0.000	0.013930000000	0.00	0.00
689	N	1	1	2137	F	26	7	52	6.106	1.195190000000	1.28	0.00
690	N	1	1	0	F	26	7	52	0.000	0.048750000000	0.00	0.00
691	N	1	1	2629	F	26	7	52	7.511	0.283740000000	0.37	0.00
692	N	1	1	1405	F	26	7	52	4.014	0.196150000000	0.14	0.00
693	N	1	1	87203	F	26	7	52	249.151	0.240560000000	10.49	0.03
694	N	1	1	231	F	26	7	52	0.660	0.320750000000	0.04	0.00
695	N	1	1	704	F	26	7	52	2.011	0.154210000000	0.05	0.00
696	N	1	1	1387	F	26	7	52	3.963	0.154210000000	0.11	0.00
697	N	1	1	0	F	26	7	52	0.000	0.154210000000	0.00	0.00
698	N	1	1	0	F	26	7	52	0.000	1.443390000000	0.00	0.00
699	N	1	1	0	F	26	7	52	0.000	11.386500000000	0.00	0.00
700	N	1	1	52880	F	43	7	52	249.873	0.000940000000	0.02	0.00
701	N	1	1	37976	F	43	7	52	179.447	0.000220000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
702	VOC	2101900004	019	00004	ORG	1	40600251	1.000000000000	0	80	1.000000000000	N
703	VOC	2101900004	019	00004	ORH	1	40600140	1.000000000000	0	80	1.000000000000	N
704	VOC	2101900004	019	00004	ORH	2	40600137	1.000000000000	0	80	1.000000000000	N
705	VOC	2101900004	019	00004	ORH	3	30600813	1.000000000000	0	80	1.000000000000	N
706	VOC	2101900004	019	00004	ORH	4	30600816	1.000000000000	0	80	1.000000000000	N
707	VOC	2101900004	019	00004	ORI	1	40600137	1.000000000000	0	80	1.000000000000	N
708	VOC	2101900004	019	00004	ORI	2	40600137	1.000000000000	0	80	1.000000000000	N
709	VOC	2101900004	019	00004	ORI	3	40600140	1.000000000000	0	80	1.000000000000	N
710	VOC	2101900004	019	00004	ORJ	1	40600136	1.000000000000	0	80	1.000000000000	N
711	VOC	2101900004	019	00004	ORJ	2	40600136	1.000000000000	0	80	1.000000000000	N
712	VOC	2101900004	019	00004	ORJ	3	40600136	1.000000000000	0	80	1.000000000000	N
713	VOC	2101900004	019	00004	ORK	1	40600137	1.000000000000	0	80	1.000000000000	N
714	VOC	2101900004	019	00004	ORK	2	40600137	1.000000000000	0	80	1.000000000000	N
715	VOC	2101900004	019	00004	ORL	1	40600136	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
702	N	1	1	64687.0	F	23	7	52	163.49	0.002700000000	0.09	0.00
703	N	1	1	0.0	F	43	7	52	0.00	0.000940000000	0.00	0.00
704	N	1	1	3771.0	F	43	7	52	17.82	0.000640000000	0.00	0.00
705	N	1	1	1.0	F	43	7	52	0.00	4.380000000000	0.00	0.00
706	N	1	1	4.0	F	43	7	52	0.02	4.900000000000	0.01	0.00
707	N	1	1	8345.0	F	24	7	52	22.01	0.000070000000	0.00	0.00
708	N	1	1	62.0	F	24	7	52	0.16	0.000640000000	0.00	0.00
709	N	1	1	305.0	F	24	7	52	0.80	0.026660000000	0.00	0.00
710	N	1	1	0.0	F	0	7	52	0.00	0.027900000000	0.00	0.00
711	N	1	1	0.0	F	0	7	52	0.00	0.027900000000	0.00	0.00
712	N	1	1	0.0	F	0	7	52	0.00	0.000000000000	0.00	0.00
713	N	1	1	10768.0	F	28	7	52	33.13	0.000080000000	0.00	0.00
714	N	1	1	17967.0	F	28	7	52	55.28	0.000060000000	0.00	0.00
715	N	1	1	0.0	F	0	7	52	0.00	3.434500000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
716	VOC	2101900004	019	00004	0RN	1	30600813	1.000000000000	0.0	80	1.000000000000	N
717	VOC	2101900004	019	00004	0RN	2	30600816	1.000000000000	0.0	80	1.000000000000	N
718	VOC	2101900004	019	00004	0RN	3	30600822	1.000000000000	0.0	80	1.000000000000	N
719	VOC	2101900004	019	00004	0U1	1	30600811	1.000000000000	0.0	80	1.000000000000	N
720	VOC	2101900004	019	00004	0U1	2	30600816	1.000000000000	0.0	80	1.000000000000	N
721	VOC	2101900004	019	00004	0U1	3	30600819	1.000000000000	0.0	80	1.000000000000	N
722	VOC	2101900004	019	00004	0U1	4	30600811	1.000000000000	0.0	80	1.000000000000	N
723	VOC	2101900004	019	00004	0U1	5	30600816	1.000000000000	0.0	80	1.000000000000	N
724	VOC	2101900004	019	00004	0U2	1	30699999	1.000000000000	0.0	80	1.000000000000	N
725	VOC	2101900004	019	00004	0U3	1	30699999	1.000000000000	0.0	80	1.000000000000	N
726	VOC	2101900004	019	00004	0U4	1	30699999	1.000000000000	0.0	80	1.000000000000	N
727	VOC	2101900004	019	00004	0U5	1	30699999	1.000000000000	0.0	80	1.000000000000	N
728	VOC	2101900004	019	00004	0U6	1	30699999	1.000000000000	0.0	80	1.000000000000	N
729	VOC	2101900004	019	00004	0U7	1	30699999	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
716	N	1	1	30.0	F	25	7	52	0.08	4.380000000000	0.07	0.00
717	N	1	1	60.0	F	25	7	52	0.16	4.905600000000	0.15	0.00
718	N	1	1	1.0	F	25	7	52	0.00	0.000000000000	0.00	0.00
719	N	1	1	3.0	F	25	7	52	0.01	47.175000000000	0.07	0.00
720	N	1	1	6.0	F	25	7	52	0.02	4.900000000000	0.01	0.00
721	N	1	1	1.0	F	25	7	52	0.00	1025.360000000000	0.51	0.00
722	N	1	1	76.0	F	25	7	52	0.21	18.557400000000	0.71	0.00
723	N	1	1	300.0	F	25	7	52	0.82	4.905600000000	0.74	0.00
724	N	1	1	398.0	F	30	7	52	1.31	0.000407610000	0.00	0.00
725	N	1	1	398.0	F	30	7	52	1.31	0.001168470000	0.00	0.00
726	N	1	1	398.0	F	30	7	52	1.31	0.012146700000	0.00	0.00
727	N	1	1	398.0	F	30	7	52	1.31	0.000032070000	0.00	0.00
728	N	1	1	398.0	F	30	7	52	1.31	0.003152170000	0.00	0.00
729	N	1	1	398.0	F	30	7	52	1.31	0.000923910000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
730	VOC	2101900004	019	00004	0U8	1	30699999	1.000000000000	0.0	80	1.000000000000	N
731	VOC	2101900004	019	00004	0U9	1	30699999	1.000000000000	0.0	80	1.000000000000	N
732	VOC	2101900004	019	00004	0UA	1	30699999	1.000000000000	94.0	80	0.248000000000	N
733	VOC	2101900004	019	00004	0UA	2	30699999	1.000000000000	94.0	80	0.248000000000	N
734	VOC	2101900004	019	00004	0UA	3	30699999	1.000000000000	94.0	80	0.248000000000	N
735	VOC	2101900004	019	00004	0UA	4	30600503	1.000000000000	94.0	80	0.248000000000	N
736	VOC	2101900004	019	00004	0UA	5	30600701	1.000000000000	94.0	80	0.248000000000	N
737	VOC	2101900004	019	00004	0UA	6	30699999	1.000000000000	94.0	80	0.248000000000	N
738	VOC	2101900004	019	00004	0UA	7	30600813	1.000000000000	94.0	80	0.248000000000	N
739	VOC	2101900004	019	00004	0UA	8	30600816	1.000000000000	94.0	80	0.248000000000	N
740	VOC	2101900004	019	00004	0UA	9	30600812	1.000000000000	94.0	80	0.248000000000	N
741	VOC	2101900004	019	00004	0UA	10	30600811	1.000000000000	94.0	80	0.248000000000	N
742	VOC	2101900004	019	00004	0UA	11	30600817	1.000000000000	94.0	80	0.248000000000	N
743	VOC	2101900004	019	00004	0UB	1	30600811	1.000000000000	72.5	80	0.420000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
730	N	1	1	0.0	F	0	7	52	0.00	0.003940220000	0.00	0.00
731	N	1	1	0.0	F	0	7	52	0.00	0.001032610000	0.00	0.00
732	N	1	1	3621.0	F	27	7	52	10.74	0.016300000000	0.01	0.00
733	N	1	1	3621.0	F	27	7	52	10.74	0.002900000000	0.00	0.00
734	N	1	1	3621.0	F	27	7	52	10.74	0.004110000000	0.00	0.00
735	N	1	1	2032655.0	F	27	7	52	6030.95	5.000000000000	1260.25	3.74
736	N	1	1	1.7	F	27	7	52	0.01	7.000000000000	0.00	0.00
737	N	1	1	3621.0	F	27	7	52	10.74	0.580000000000	0.26	0.00
738	N	1	1	0.0	F	27	7	52	0.00	4.380000000000	0.00	0.00
739	N	1	1	16.0	F	27	7	52	0.05	4.900000000000	0.01	0.00
740	N	1	1	0.0	F	27	7	52	0.00	49.056000000000	0.00	0.00
741	N	1	1	0.0	F	27	7	52	0.00	47.566800000000	0.00	0.00
742	N	1	1	0.0	F	27	7	52	0.00	427.488000000000	0.00	0.00
743	N	1	1	22.0	F	25	7	52	0.06	516.840000000000	2.39	0.01

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
744	VOC	2101900004	019	00004	0UB	2	30600812	1.000000000000	72.5	80	0.420000000000	N
745	VOC	2101900004	019	00004	0UB	3	30600813	1.000000000000	72.5	80	0.420000000000	N
746	VOC	2101900004	019	00004	0UB	4	30600816	1.000000000000	72.5	80	0.420000000000	N
747	VOC	2101900004	019	00004	0UB	5	30600817	1.000000000000	72.5	80	0.420000000000	N
748	VOC	2101900004	019	00004	0UB	6	30600822	1.000000000000	72.5	80	0.420000000000	N
749	VOC	2101900004	019	00004	0UB	7	39999992	1.000000000000	72.5	80	0.420000000000	N
750	VOC	2101900004	019	00004	0UC	1	30600811	1.000000000000	75.6	80	0.395200000000	N
751	VOC	2101900004	019	00004	0UC	2	30600812	1.000000000000	75.6	80	0.395200000000	N
752	VOC	2101900004	019	00004	0UC	3	30600816	1.000000000000	75.6	80	0.395200000000	N
753	VOC	2101900004	019	00004	0UC	4	30600817	1.000000000000	75.6	80	0.395200000000	N
754	VOC	2101900004	019	00004	0UC	5	39999992	1.000000000000	75.6	80	0.395200000000	N
755	VOC	2101900004	019	00004	0UD	1	30600811	1.000000000000	79.6	80	0.363200000000	N
756	VOC	2101900004	019	00004	0UD	2	30600812	1.000000000000	79.6	80	0.363200000000	N
757	VOC	2101900004	019	00004	0UD	3	30600813	1.000000000000	79.6	80	0.363200000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
744	N	1	1	434	F	25	7	52	1.1923	210.240000000000	19.16	0.05
745	N	1	1	20	F	25	7	52	0.0549	4.380000000000	0.02	0.00
746	N	1	1	1962	F	25	7	52	5.3901	4.900000000000	2.02	0.01
747	N	1	1	7	F	25	7	52	0.0192	2190.000000000000	3.22	0.01
748	N	1	1	3	F	25	7	52	0.0082	3153.600000000000	1.99	0.01
749	N	1	1	8760	F	25	7	52	24.0659	0.000000000000	0.00	0.00
750	N	1	1	9	F	25	7	52	0.0247	516.840000000000	0.92	0.00
751	N	1	1	73	F	25	7	52	0.2005	210.240000000000	3.03	0.01
752	N	1	1	328	F	25	7	52	0.9011	4.900000000000	0.32	0.00
753	N	1	1	1	F	25	7	52	0.0027	2190.000000000000	0.43	0.00
754	N	1	1	8760	F	25	7	52	24.0659	0.000000000000	0.00	0.00
755	N	1	1	440	F	25	7	52	1.2088	516.840000000000	41.30	0.11
756	N	1	1	340	F	25	7	52	0.9341	210.240000000000	12.98	0.04
757	N	1	1	450	F	25	7	52	1.2363	4.380000000000	0.36	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

09:20 Tuesday, April 11, 2006 1109

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
758	VOC	2101900004	019	00004	0UD	4	30600816	1.000000000000	79.6	80	0.363200000000	N
759	VOC	2101900004	019	00004	0UD	5	30600817	1.000000000000	79.6	80	0.363200000000	N
760	VOC	2101900004	019	00004	0UD	6	30600818	1.000000000000	79.6	80	0.363200000000	N
761	VOC	2101900004	019	00004	0UD	7	30600819	1.000000000000	79.6	80	0.363200000000	N
762	VOC	2101900004	019	00004	0UE	1	30600811	1.000000000000	74.5	80	0.404000000000	N
763	VOC	2101900004	019	00004	0UE	2	30600812	1.000000000000	74.5	80	0.404000000000	N
764	VOC	2101900004	019	00004	0UE	3	30600813	1.000000000000	74.5	80	0.404000000000	N
765	VOC	2101900004	019	00004	0UE	4	30600816	1.000000000000	74.5	80	0.404000000000	N
766	VOC	2101900004	019	00004	0UE	5	30600817	1.000000000000	74.5	80	0.404000000000	N
767	VOC	2101900004	019	00004	0UE	6	30600818	1.000000000000	74.5	80	0.404000000000	N
768	VOC	2101900004	019	00004	0UE	7	30600822	1.000000000000	74.5	80	0.404000000000	N
769	VOC	2101900004	019	00004	0UE	8	39999992	1.000000000000	74.5	80	0.404000000000	N
770	VOC	2101900004	019	00004	0UE	9	30600811	1.000000000000	74.5	80	0.404000000000	N
771	VOC	2101900004	019	00004	0UE	10	30600813	1.000000000000	74.5	80	0.404000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
758	N	1	1	4290	F	25	7	52	11.7857	4.900000000000	3.82	0.01
759	N	1	1	3	F	25	7	52	0.0082	2190.000000000000	1.19	0.00
760	N	1	1	12	F	25	7	52	0.0330	402.960000000000	0.88	0.00
761	N	1	1	1	F	25	7	52	0.0027	12264.000000000000	2.23	0.01
762	N	1	1	85	F	25	7	52	0.2335	495.600000000000	8.51	0.02
763	N	1	1	55	F	25	7	52	0.1511	201.600000000000	2.24	0.01
764	N	1	1	50	F	25	7	52	0.1374	4.380000000000	0.04	0.00
765	N	1	1	760	F	25	7	52	2.0879	4.704000000000	0.72	0.00
766	N	1	1	1	F	25	7	52	0.0027	2100.000000000000	0.42	0.00
767	N	1	1	2	F	25	7	52	0.0055	386.400000000000	0.16	0.00
768	N	1	1	18	F	25	7	52	0.0495	3024.000000000000	11.00	0.03
769	N	1	1	8760	F	25	7	52	24.0659	0.000000000000	0.00	0.00
770	N	1	1	85	F	25	7	52	0.2335	186.880000000000	3.21	0.01
771	N	1	1	50	F	25	7	52	0.1374	13.741200000000	0.14	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
772	VOC	2101900004	019	00004	0UE	11	30600816	1.000000000000	74.5	80	0.404000000000	N
773	VOC	2101900004	019	00004	0UE	12	30600812	1.000000000000	74.5	80	0.404000000000	N
774	VOC	2101900004	019	00004	0UE	13	30600817	1.000000000000	74.5	80	0.404000000000	N
775	VOC	2101900004	019	00004	0UE	14	30600818	1.000000000000	74.5	80	0.404000000000	N
776	VOC	2101900004	019	00004	0UF	1	30600811	1.000000000000	0.0	80	1.000000000000	N
777	VOC	2101900004	019	00004	0UF	2	30600812	1.000000000000	0.0	80	1.000000000000	N
778	VOC	2101900004	019	00004	0UF	3	30600813	1.000000000000	0.0	80	1.000000000000	N
779	VOC	2101900004	019	00004	0UF	4	30600816	1.000000000000	0.0	80	1.000000000000	N
780	VOC	2101900004	019	00004	0UF	5	30600817	1.000000000000	0.0	80	1.000000000000	N
781	VOC	2101900004	019	00004	0UF	6	30600818	1.000000000000	0.0	80	1.000000000000	N
782	VOC	2101900004	019	00004	0UG	1	39999992	1.000000000000	0.0	80	1.000000000000	N
783	VOC	2101900004	019	00004	0UH	1	30699998	1.000000000000	0.0	80	1.000000000000	N
784	VOC	2101900004	019	00004	0UI	1	30600812	1.000000000000	74.1	80	0.407200000000	N
785	VOC	2101900004	019	00004	0UI	2	30600816	1.000000000000	74.1	80	0.407200000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
772	N	1	1	540	F	25	7	52	1.4835	12.656300000000	1.38	0.00
773	N	1	1	55	F	25	7	52	0.1511	0.000000000000	0.00	0.00
774	N	1	1	1	F	25	7	52	0.0027	8042.020000000000	1.62	0.00
775	N	1	1	2	F	25	7	52	0.0055	996.235000000000	0.40	0.00
776	N	1	1	85	F	25	7	52	0.2335	47.654400000000	2.03	0.01
777	N	1	1	55	F	25	7	52	0.1511	0.000000000000	0.00	0.00
778	N	1	1	50	F	25	7	52	0.1374	3.504000000000	0.09	0.00
779	N	1	1	760	F	25	7	52	2.0879	3.227370000000	1.23	0.00
780	N	1	1	1	F	25	7	52	0.0027	2050.720000000000	1.03	0.00
781	N	1	1	2	F	25	7	52	0.0055	254.040000000000	0.25	0.00
782	N	1	1	4	F	25	7	4	0.1429	28.889000000000	0.06	0.00
783	N	1	1	733	F	30	7	52	2.4165	0.000470000000	0.00	0.00
784	N	1	1	0	F	0	7	52	0.0000	210.240000000000	0.00	0.00
785	N	1	1	0	F	0	7	52	0.0000	4.905600000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI[illegible]NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE [illegible]UNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
786	VOC	2101900004	019	00004	0UI	3	30600817	1.000000000000	74.1	80	0.407200000000	N
787	VOC	2101900004	019	00004	0UJ	1	39999996	1.000000000000	0.0	80	1.000000000000	N
788	VOC	2101900004	019	00004	0UK	1	30600813	1.000000000000	0.0	80	1.000000000000	N
789	VOC	2101900004	019	00004	0UL	1	30600811	1.000000000000	0.0	80	1.000000000000	N
790	VOC	2101900004	019	00004	0UM	1	30600811	1.000000000000	0.0	80	1.000000000000	N
791	VOC	2101900004	019	00004	0UM	2	30600812	1.000000000000	0.0	80	1.000000000000	N
792	VOC	2101900004	019	00004	0UM	3	30600813	1.000000000000	0.0	80	1.000000000000	N
793	VOC	2101900004	019	00004	0UM	4	30600816	1.000000000000	0.0	80	1.000000000000	N
794	VOC	2101900004	019	00004	0UN	1	30600812	1.000000000000	0.0	80	1.000000000000	N
795	VOC	2101900004	019	00004	0UQ	1	39999992	1.000000000000	0.0	80	1.000000000000	N
796	VOC	2101900004	019	00004	0UR	1	30600816	1.000000000000	71.5	80	0.428000000000	N
797	VOC	2101900004	019	00004	0US	1	30600816	1.000000000000	0.0	80	1.000000000000	N
798	VOC	2101900004	019	00004	0UT	1	30600812	1.000000000000	79.2	80	0.366400000000	N
799	VOC	2101900004	019	00004	0UT	2	30600817	1.000000000000	79.2	80	0.366400000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
786	N	1	1	0	F	0	7	52	0.000	2190.000000000000	0.00	0.00
787	N	1	1	0	F	0	7	52	0.000	0.048600000000	0.00	0.00
788	N	1	1	121	F	25	7	52	0.332	35.371900000000	2.14	0.01
789	N	1	1	60	F	25	7	52	0.165	516.840000000000	15.51	0.04
790	N	1	1	96	F	25	7	52	0.264	47.559500000000	2.28	0.01
791	N	1	1	14	F	25	7	52	0.038	49.181100000000	0.34	0.00
792	N	1	1	172	F	25	7	52	0.473	4.380000000000	0.38	0.00
793	N	1	1	1128	F	25	7	52	3.099	4.904980000000	2.77	0.01
794	N	1	1	22	F	25	7	52	0.060	161.182000000000	1.77	0.00
795	N	1	1	8760	F	25	7	52	24.066	0.025640000000	0.11	0.00
796	N	1	1	5554	F	25	7	52	15.258	50.054000000000	59.49	0.16
797	N	1	1	85	F	25	7	52	0.234	4.900000000000	0.21	0.00
798	N	1	1	3	F	25	7	52	0.008	210.240000000000	0.12	0.00
799	N	1	1	1	F	25	7	52	0.003	2190.000000000000	0.40	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
800	VOC	2101900004	019	00004	0UT	3	30600816	1.000000000000	79.2	80	0.366400000000	N
801	VOC	2101900004	019	00004	0UU	1	30600811	1.000000000000	87.5	80	0.300000000000	N
802	VOC	2101900004	019	00004	0UU	2	30600816	1.000000000000	87.5	80	0.300000000000	N
803	VOC	2101900004	019	00004	0UV	1	30600811	1.000000000000	87.5	80	0.300000000000	N
804	VOC	2101900004	019	00004	0UV	2	30600816	1.000000000000	87.5	80	0.300000000000	N
805	VOC	2101900004	019	00004	0UW	1	30188801	1.000000000000	0.0	80	1.000000000000	N
806	VOC	2101900004	019	00004	0UX	1	30600815	1.000000000000	0.0	80	1.000000000000	N
807	VOC	2101900004	019	00004	0UY	1	30600816	1.000000000000	0.0	80	1.000000000000	N
808	VOC	2101900004	019	00004	0UZ	1	30188801	1.000000000000	0.0	80	1.000000000000	N
809	VOC	2101900004	019	00004	0V1	1	30600805	1.000000000000	0.0	80	1.000000000000	N
810	VOC	2101900004	019	00004	0V2	1	30600702	1.000000000000	0.0	80	1.000000000000	N
811	VOC	2101900004	019	00004	0V3	1	30600805	1.000000000000	0.0	80	1.000000000000	N
812	VOC	2101900004	019	00004	0V4	1	30600805	1.000000000000	0.0	80	1.000000000000	N
813	VOC	2101900004	019	00004	0V5	1	30600805	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
800	N	1	1	12	F	25	7	52	0.033	4.900000000000	0.01	0.00
801	N	1	1	24	F	25	7	52	0.066	516.840000000000	1.86	0.01
802	N	1	1	96	F	25	7	52	0.264	4.900000000000	0.07	0.00
803	N	1	1	62	F	25	7	52	0.170	516.840000000000	4.81	0.01
804	N	1	1	248	F	25	7	52	0.681	4.900000000000	0.18	0.00
805	N	1	1	0	F	25	7	52	0.000	49.733300000000	0.00	0.00
806	N	1	1	7	F	25	7	52	0.019	4.380000000000	0.02	0.00
807	N	1	1	5	F	25	7	52	0.014	4.900000000000	0.01	0.00
808	N	1	1	147	F	0	7	52	0.000	0.000080000000	0.00	0.00
809	N	1	1	75801	F	30	7	52	249.893	0.130980000000	4.96	0.02
810	N	1	1	75801	F	26	7	52	216.574	0.842390000000	31.93	0.09
811	N	1	1	75801	F	30	7	52	249.893	0.260600000000	9.88	0.03
812	N	1	1	75801	F	30	7	52	249.893	0.000750000000	0.03	0.00
813	N	1	1	75801	F	30	7	52	249.893	0.024650000000	0.93	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI[illegible]NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE [illegible]UNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
814	VOC	2101900004	019	00004	0V6	1	30600805	1.000000000000	0	80	1.000000000000	N
815	VOC	2101900004	019	00004	0V7	1	30600805	1.000000000000	0	80	1.000000000000	N
816	VOC	2101900004	019	00004	0V8	1	30600805	1.000000000000	0	80	1.000000000000	N
817	VOC	2101900004	019	00004	0VA	1	30600813	1.000000000000	0	80	1.000000000000	N
818	VOC	2101900004	019	00004	0VA	2	30600816	1.000000000000	0	80	1.000000000000	N
819	VOC	2101900004	019	00004	0VB	1	30600813	1.000000000000	0	80	1.000000000000	N
820	VOC	2101900004	019	00004	0VB	2	30600816	1.000000000000	0	80	1.000000000000	N
821	VOC	2101900004	019	00004	0VC	1	30600816	1.000000000000	0	80	1.000000000000	N
822	VOC	2101900004	019	00004	0VD	1	30600811	1.000000000000	0	80	1.000000000000	N
823	VOC	2101900004	019	00004	0VD	2	30600813	1.000000000000	0	80	1.000000000000	N
824	VOC	2101900004	019	00004	0VD	3	30600816	1.000000000000	0	80	1.000000000000	N
825	VOC	2101900004	019	00004	0VE	1	30600811	1.000000000000	0	80	1.000000000000	N
826	VOC	2101900004	019	00004	0VG	1	30600812	1.000000000000	0	80	1.000000000000	N
827	VOC	2101900004	019	00004	0VG	2	30600816	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
814	N	1	1	0	F	0	7	52	0.000	0.040460000000	0.00	0.00
815	N	1	1	75801	F	30	7	52	249.893	0.030000000000	1.14	0.00
816	N	1	1	75801	F	30	7	52	249.893	0.155970000000	5.91	0.02
817	N	1	1	4	F	25	7	52	0.011	4.380000000000	0.01	0.00
818	N	1	1	16	F	25	7	52	0.044	4.900000000000	0.04	0.00
819	N	1	1	15	F	25	7	52	0.041	4.380000000000	0.03	0.00
820	N	1	1	30	F	25	7	52	0.082	4.900000000000	0.07	0.00
821	N	1	1	5	F	25	7	52	0.014	4.900000000000	0.01	0.00
822	N	1	1	2	F	25	7	52	0.005	49.056000000000	0.05	0.00
823	N	1	1	1	F	25	7	52	0.003	49.056000000000	0.02	0.00
824	N	1	1	8	F	25	7	52	0.022	4.900000000000	0.02	0.00
825	N	1	1	9	F	25	7	52	0.025	516.840000000000	2.33	0.01
826	N	1	1	17	F	25	7	52	0.047	48.921600000000	0.42	0.00
827	N	1	1	68	F	25	7	52	0.187	4.900000000000	0.17	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
828	VOC	2101900004	019	00004	0VH	1	30600811	1.000000000000	0.0	80	1.000000000000	N
829	VOC	2101900004	019	00004	0VH	2	30600816	1.000000000000	0.0	80	1.000000000000	N
830	VOC	2101900004	019	00004	0VI	1	30600813	1.000000000000	0.0	80	1.000000000000	N
831	VOC	2101900004	019	00004	0VI	2	30600811	1.000000000000	0.0	80	1.000000000000	N
832	VOC	2101900004	019	00004	0VI	3	30600811	1.000000000000	0.0	80	1.000000000000	N
833	VOC	2101900004	019	00004	0VI	4	30600816	1.000000000000	0.0	80	1.000000000000	N
834	VOC	2101900004	019	00004	0VJ	1	30600816	1.000000000000	0.0	80	1.000000000000	N
835	VOC	2101900004	019	00004	0VK	1	40714697	1.000000000000	0.0	80	1.000000000000	N
836	VOC	2101900004	019	00004	0VK	2	40714698	1.000000000000	0.0	80	1.000000000000	N
837	VOC	2101900004	019	00004	0VL	1	30600813	1.000000000000	0.0	80	1.000000000000	N
838	VOC	2101900004	019	00004	0VL	2	30600813	1.000000000000	0.0	80	1.000000000000	N
839	VOC	2101900004	019	00004	0VL	3	30600813	1.000000000000	0.0	80	1.000000000000	N
840	VOC	2101900004	019	00004	0VL	4	30600816	1.000000000000	0.0	80	1.000000000000	N
841	VOC	2101900004	019	00004	0VM	1	30600812	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
828	N	1	1	3	F	25	7	52	0.0082	47.304000000000	0.07	0.00
829	N	1	1	12	F	25	7	52	0.0330	4.900000000000	0.03	0.00
830	N	1	1	5	F	25	7	52	0.0137	4.380000000000	0.01	0.00
831	N	1	1	5	F	25	7	52	0.0137	47.304000000000	0.12	0.00
832	N	1	1	2	F	25	7	52	0.0055	47.304000000000	0.05	0.00
833	N	1	1	56	F	25	7	52	0.1538	4.900000000000	0.14	0.00
834	N	1	1	3	F	25	7	52	0.0082	4.900000000000	0.01	0.00
835	N	1	1	1	F	25	7	52	0.0027	13.795300000000	0.01	0.00
836	N	1	1	8	F	25	7	52	0.0220	10.118400000000	0.04	0.00
837	N	1	1	15	F	25	7	52	0.0412	4.380000000000	0.03	0.00
838	N	1	1	3	F	25	7	52	0.0082	4.380000000000	0.01	0.00
839	N	1	1	4	F	25	7	52	0.0110	4.380000000000	0.01	0.00
840	N	1	1	49	F	25	7	52	0.1346	4.900000000000	0.12	0.00
841	N	1	1	3	F	25	7	52	0.0082	49.056000000000	0.07	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
842	VOC	2101900004	019	00004	OVM	2	30600816	1.000000000000	0.0	80	1.000000000000	N
843	VOC	2101900004	019	00004	OVN	1	30600813	1.000000000000	0.0	80	1.000000000000	N
844	VOC	2101900004	019	00004	OVN	2	30600812	1.000000000000	0.0	80	1.000000000000	N
845	VOC	2101900004	019	00004	OVN	3	30600818	1.000000000000	0.0	80	1.000000000000	N
846	VOC	2101900004	019	00004	OVN	4	30600817	1.000000000000	0.0	80	1.000000000000	N
847	VOC	2101900004	019	00004	OVN	5	30600816	1.000000000000	0.0	80	1.000000000000	N
848	VOC	2101900004	019	00004	OVP	1	30600811	1.000000000000	0.0	80	1.000000000000	N
849	VOC	2101900004	019	00004	OVQ	1	30600813	1.000000000000	0.0	80	1.000000000000	N
850	VOC	2101900004	019	00004	OVQ	2	30600816	1.000000000000	0.0	80	1.000000000000	N
851	VOC	2101900004	019	00004	OVR	1	30600811	1.000000000000	67.7	80	0.458400000000	N
852	VOC	2101900004	019	00004	OVR	2	30600812	1.000000000000	67.7	80	0.458400000000	N
853	VOC	2101900004	019	00004	OVR	3	30600813	1.000000000000	67.7	80	0.458400000000	N
854	VOC	2101900004	019	00004	OVR	4	30600816	1.000000000000	67.7	80	0.458400000000	N
855	VOC	2101900004	019	00004	OVR	5	30600817	1.000000000000	67.7	80	0.458400000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
842	N	1	1	6.0	F	25	7	52	0.0165	4.905600000000	0.01	0.00
843	N	1	1	75.0	F	25	7	52	0.2060	4.380000000000	0.16	0.00
844	N	1	1	25.0	F	25	7	52	0.0687	210.240000000000	2.63	0.01
845	N	1	1	2.0	F	25	7	52	0.0055	402.960000000000	0.40	0.00
846	N	1	1	1.0	F	25	7	52	0.0027	2190.000000000000	1.10	0.00
847	N	1	1	400.0	F	25	7	52	1.0989	4.900000000000	0.98	0.00
848	N	1	1	2.0	F	25	7	52	0.0055	516.840000000000	0.52	0.00
849	N	1	1	1.0	F	25	7	52	0.0027	4.380000000000	0.00	0.00
850	N	1	1	16.0	F	25	7	52	0.0440	4.900000000000	0.04	0.00
851	N	1	1	120.0	F	25	7	52	0.3297	516.840000000000	14.22	0.04
852	N	1	1	167.0	F	25	7	52	0.4588	210.240000000000	8.05	0.02
853	N	1	1	879.0	F	25	7	52	2.4148	4.380000000000	0.88	0.00
854	N	1	1	4664.0	F	25	7	52	12.8132	4.900000000000	5.24	0.01
855	N	1	1	5.0	F	25	7	52	0.0137	2190.000000000000	2.51	0.01

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
856	VOC	2101900004	019	00004	OVR	6	30600818	1.000000000000	67.7	80	0.458400000000	N
857	VOC	2101900004	019	00004	OVR	7	30600819	1.000000000000	67.7	80	0.458400000000	N
858	VOC	2101900004	019	00004	OVR	8	30600813	1.000000000000	67.7	80	0.458400000000	N
859	VOC	2101900004	019	00004	OVR	9	30600816	1.000000000000	67.7	80	0.458400000000	N
860	VOC	2101900004	019	00004	OVR	10	30600818	1.000000000000	67.7	80	0.458400000000	N
861	VOC	2101900004	019	00004	OVS	1	30600812	1.000000000000	0.0	80	1.000000000000	N
862	VOC	2101900004	019	00004	OVS	2	30600813	1.000000000000	0.0	80	1.000000000000	N
863	VOC	2101900004	019	00004	OVS	3	30600816	1.000000000000	0.0	80	1.000000000000	N
864	VOC	2101900004	019	00004	OVT	1	30600812	1.000000000000	0.0	80	1.000000000000	N
865	VOC	2101900004	019	00004	OVT	2	30600811	1.000000000000	0.0	80	1.000000000000	N
866	VOC	2101900004	019	00004	OVT	3	30600817	1.000000000000	0.0	80	1.000000000000	N
867	VOC	2101900004	019	00004	OVT	4	30600816	1.000000000000	0.0	80	1.000000000000	N
868	VOC	2101900004	019	00004	OVV	1	30600812	1.000000000000	0.0	80	1.000000000000	N
869	VOC	2101900004	019	00004	OVV	2	30600816	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
856	N	1	1	30.0	F	25	7	52	0.08	402.960000000000	2.77	0.01
857	N	1	1	2.0	F	25	7	52	0.01	12264.000000000000	5.62	0.02
858	N	1	1	149.0	F	25	7	52	0.41	1.314000000000	0.04	0.00
859	N	1	1	596.0	F	25	7	52	1.64	1.470000000000	0.20	0.00
860	N	1	1	2.0	F	25	7	52	0.01	120.888000000000	0.06	0.00
861	N	1	1	4.0	F	25	7	52	0.01	49.056000000000	0.10	0.00
862	N	1	1	10.0	F	25	7	52	0.03	4.380000000000	0.02	0.00
863	N	1	1	44.0	F	25	7	52	0.12	4.900000000000	0.11	0.00
864	N	1	1	161.0	F	25	7	52	0.44	49.196200000000	3.96	0.01
865	N	1	1	18.0	F	25	7	52	0.05	47.549300000000	0.43	0.00
866	N	1	1	2.0	F	25	7	52	0.01	427.050000000000	0.43	0.00
867	N	1	1	532.0	F	25	7	52	1.46	4.905600000000	1.30	0.00
868	N	1	1	5.0	F	25	7	52	0.01	46.428000000000	0.12	0.00
869	N	1	1	8.0	F	25	7	52	0.02	4.906000000000	0.02	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
870	VOC	2101900004	019	00004	0VW	1	30600813	1.000000000000	0	80	1.000000000000	N
871	VOC	2101900004	019	00004	0VW	2	30600816	1.000000000000	0	80	1.000000000000	N
872	VOC	2101900004	019	00004	0VX	1	30600701	1.000000000000	0	80	1.000000000000	N
873	VOC	2101900004	019	00004	0VY	1	30600816	1.000000000000	0	80	1.000000000000	N
874	VOC	2101900004	019	00004	0W1	1	10200701	1.000000000000	0	80	1.000000000000	N
875	VOC	2101900004	019	00004	0W2	1	30600816	1.000000000000	0	80	1.000000000000	N
876	VOC	2101900004	019	00004	0W2	2	30600812	1.000000000000	0	80	1.000000000000	N
877	VOC	2101900004	019	00004	0WB	1	30600812	1.000000000000	0	80	1.000000000000	N
878	VOC	2101900004	019	00004	0WB	2	30600816	1.000000000000	0	80	1.000000000000	N
879	VOC	2101900004	019	00004	0WB	3	30600817	1.000000000000	0	80	1.000000000000	N
880	VOC	2101900004	019	00004	0WC	1	30600503	1.000000000000	95	80	0.240000000000	N
881	VOC	2101900004	019	00004	0WD	1	30600505	1.000000000000	0	80	1.000000000000	N
882	VOC	2101900004	019	00004	0XA	1	30600106	1.000000000000	0	80	1.000000000000	N
883	VOC	2101900004	019	00004	0XB	1	30600106	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
870	N	1	1	6.0	F	25	7	52	0.02	4.380000000000	0.01	0.00
871	N	1	1	24.0	F	25	7	52	0.07	4.900000000000	0.06	0.00
872	N	1	1	12.8	F	25	7	52	0.04	0.700000000000	0.00	0.00
873	N	1	1	4.0	F	25	7	52	0.01	4.900000000000	0.01	0.00
874	N	1	1	908.0	F	27	7	52	2.69	0.294000000000	0.13	0.00
875	N	1	1	100.0	F	27	7	52	0.30	1.960000000000	0.10	0.00
876	N	1	1	102.0	F	27	7	52	0.30	20.820000000000	1.06	0.00
877	N	1	1	4.0	F	24	7	52	0.01	46.866000000000	0.09	0.00
878	N	1	1	16.0	F	24	7	52	0.04	4.927500000000	0.04	0.00
879	N	1	1	8.0	F	24	7	52	0.02	401.427000000000	1.61	0.00
880	N	1	1	2032655.0	F	30	7	52	6701.06	0.000460000000	0.11	0.00
881	N	1	1	2032655.0	F	22	7	52	4914.11	0.020290000000	20.62	0.05
882	N	1	1	521.0	F	26	7	52	1.49	2.800000000000	0.73	0.00
883	N	1	1	562.0	F	26	7	52	1.61	2.800000000000	0.79	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
884	VOC	2101900004	019	00004	0XC	1	30600106	1.000000000000	0	80	1.000000000000	N
885	VOC	2101900004	019	00004	0XD	1	30600106	1.000000000000	0	80	1.000000000000	N
886	VOC	2101900004	019	00004	0XE	1	30600106	1.000000000000	0	80	1.000000000000	N
887	VOC	2101900004	019	00004	0XF	1	30600811	1.000000000000	0	80	1.000000000000	N
888	VOC	2101900004	019	00004	0XF	2	30600811	1.000000000000	0	80	1.000000000000	N
889	VOC	2101900004	019	00004	0XF	3	30600812	1.000000000000	0	80	1.000000000000	N
890	VOC	2101900004	019	00004	0XF	4	30600813	1.000000000000	0	80	1.000000000000	N
891	VOC	2101900004	019	00004	0XF	5	30600817	1.000000000000	0	80	1.000000000000	N
892	VOC	2101900004	019	00004	0XF	6	30600818	1.000000000000	0	80	1.000000000000	N
893	VOC	2101900004	019	00004	0XF	7	30600816	1.000000000000	0	80	1.000000000000	N
894	VOC	2101900004	019	00004	0XF	8	30600816	1.000000000000	0	80	1.000000000000	N
895	VOC	2101900004	019	00004	0XF	9	30600811	1.000000000000	0	80	1.000000000000	N
896	VOC	2101900004	019	00004	0XF	10	30600812	1.000000000000	0	80	1.000000000000	N
897	VOC	2101900004	019	00004	0XF	11	30600816	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
884	N	1	1	319	F	28	7	52	0.9815	2.800000000000	0.45	0.00
885	N	1	1	246	F	26	7	52	0.7029	2.800000000000	0.34	0.00
886	N	1	1	107	F	25	7	52	0.2940	2.800000000000	0.15	0.00
887	N	1	1	133	F	25	7	52	0.3654	47.566800000000	3.16	0.01
888	N	1	1	485	F	25	7	52	1.3324	16.642200000000	4.04	0.01
889	N	1	1	404	F	25	7	52	1.1099	52.382500000000	10.58	0.03
890	N	1	1	413	F	25	7	52	1.1346	4.380000000000	0.90	0.00
891	N	1	1	10	F	25	7	52	0.0275	441.400000000000	2.21	0.01
892	N	1	1	6	F	25	7	52	0.0165	253.865000000000	0.76	0.00
893	N	1	1	3800	F	25	7	52	10.4396	4.905590000000	9.32	0.03
894	N	1	1	1940	F	25	7	52	5.3297	1.716960000000	1.67	0.00
895	N	1	1	0	F	25	7	52	0.0000	157.680000000000	0.00	0.00
896	N	1	1	0	F	25	7	52	0.0000	210.240000000000	0.00	0.00
897	N	1	1	0	F	25	7	52	0.0000	4.905600000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining --
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
898	VOC	2101900004	019	00004	143	1	30600812	1.000000000000	0	80	1.000000000000	N
899	VOC	2101900004	019	00004	143	2	30600816	1.000000000000	0	80	1.000000000000	N
900	VOC	2101900004	019	00004	143	3	30600818	1.000000000000	0	80	1.000000000000	N
901	VOC	2101900004	019	00004	GP1	1	30600104	1.000000000000	0	80	1.000000000000	N
902	VOC	2101900004	019	00004	GP1	2	30600903	1.000000000000	0	80	1.000000000000	N
903	VOC	2101900004	019	00004	GP2	4	30600104	1.000000000000	0	80	1.000000000000	N
904	VOC	2101900004	019	00004	GP3	1	40729697	1.000000000000	0	80	1.000000000000	N
905	VOC	2101900004	019	00004	GP3	2	40729698	1.000000000000	0	80	1.000000000000	N
906	VOC	2101900004	019	00004	GP3	3	40729698	1.000000000000	0	80	1.000000000000	N
907	VOC	2101900004	019	00004	GP3	4	40729698	1.000000000000	0	80	1.000000000000	N
908	VOC	2101900004	019	00004	GP3	5	40729698	1.000000000000	0	80	1.000000000000	N
909	VOC	2101900004	019	00004	GP3	6	40729697	1.000000000000	0	80	1.000000000000	N
910	VOC	2101900004	019	00004	GP3	7	40729698	1.000000000000	0	80	1.000000000000	N
911	VOC	2101900004	019	00004	GP3	8	40729697	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
898	N	1	1	30	F	25	7	52	0.0824	16.210000000000	0.24	0.00
899	N	1	1	60	F	25	7	52	0.1648	1.102000000000	0.03	0.00
900	N	1	1	4	F	25	7	52	0.0110	69.580000000000	0.14	0.00
901	N	1	1	193	F	26	7	52	0.5514	5.192000000000	0.50	0.00
902	N	1	1	62	F	26	7	52	0.1771	140.000000000000	4.34	0.01
903	N	1	1	894	F	30	7	52	2.9473	5.500000000000	2.46	0.01
904	N	1	1	0	F	0	7	52	0.0000	0.001860000000	0.00	0.00
905	N	1	1	0	F	0	7	52	0.0000	0.001470000000	0.00	0.00
906	N	1	1	0	F	0	7	52	0.0000	0.001470000000	0.00	0.00
907	N	1	1	0	F	0	7	52	0.0000	0.001470000000	0.00	0.00
908	N	1	1	0	F	0	7	52	0.0000	0.021700000000	0.00	0.00
909	N	1	1	0	F	0	7	52	0.0000	0.009070000000	0.00	0.00
910	N	1	1	0	F	0	7	52	0.0000	0.006810000000	0.00	0.00
911	N	1	1	0	F	0	7	52	0.0000	0.058440000000	0.00	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI: NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00004 MASAINAME=Marathon Petroleum Co LLC - Catlettsburg Refining -- (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
912	VOC	2101900004	019	00004	GP3	9	40729697	1.000000000000	0	80	1.000000000000	N
913	VOC	2101900004	019	00004	GP3	10	40729697	1.000000000000	0	80	1.000000000000	N
914	VOC	2101900004	019	00004	GP4	1	30600201	1.000000000000	0	80	1.000000000000	N
915	VOC	2101900004	019	00004	GP4	2	30600104	1.000000000000	0	80	1.000000000000	N

MASAINAME
plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
912	N	1	1	0	F	0	7	52	0.0000	0.058440000000	0.00	0.00
913	N	1	1	0	F	0	7	52	0.0000	0.708000000000	0.00	0.00
914	N	1	1	29450	F	30	7	52	97.0879	1.970000000000	29.01	0.10
915	N	1	1	705	F	30	7	52	2.3242	6.000000000000	2.12	0.01
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MASAINAME											4737.85	14.34
plant_id											4737.85	14.34

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00005 MASAINAME=AK Steel Corp ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
916	VOC	2101900005	019	00005	003	3	30390003	1.000000000000	0	80	1.000000000000	N
917	VOC	2101900005	019	00005	026	2	39000699	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
916	N	1	1	214.00	F	25	7	52	0.59	5.500000000000	0.59	0.00
917		1	1	64.00	F	25	7		0.18	5.500000000000	0.18	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00005 MASAINAME=AK Steel Corp ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
918	VOC	2101900005	019	00005	047	3	39000699	1.000000000000	0	80	1.000000000000	N
919	VOC	2101900005	019	00005	052	2	10200401	1.000000000000	0	80	1.000000000000	N
920	VOC	2101900005	019	00005	052	3	10200601	1.000000000000	0	80	1.000000000000	N
921	VOC	2101900005	019	00005	053	2	10200401	1.000000000000	0	80	1.000000000000	N
922	VOC	2101900005	019	00005	053	3	10200601	1.000000000000	0	80	1.000000000000	N
923	VOC	2101900005	019	00005	054	2	10200401	1.000000000000	0	80	1.000000000000	N
924	VOC	2101900005	019	00005	054	3	10200601	1.000000000000	0	80	1.000000000000	N
925	VOC	2101900005	019	00005	055	2	10200401	1.000000000000	0	80	1.000000000000	N
926	VOC	2101900005	019	00005	055	3	10200601	1.000000000000	0	80	1.000000000000	N
927	VOC	2101900005	019	00005	056	1	10200601	1.000000000000	0	80	1.000000000000	N
928	VOC	2101900005	019	00005	056	2	10200401	1.000000000000	0	80	1.000000000000	N
929	VOC	2101900005	019	00005	088	1	30300915	1.000000000000	0	80	1.000000000000	N
930	VOC	2101900005	019	00005	089	1	30300921	1.000000000000	0	80	1.000000000000	N
931	VOC	2101900005	019	00005	089	2	39000799	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
918	N	1	1	106.00	F	25	7	52	0.29	5.500000000000	0.29	0.00
919	N	1	1	93.00	F	25	7	52	0.26	0.280000000000	0.01	0.00
920	N	1	1	120.00	F	25	7	52	0.33	5.500000000000	0.33	0.00
921	N	1	1	248.00	F	25	7	52	0.68	0.280000000000	0.03	0.00
922	N	1	1	120.00	F	25	7	52	0.33	5.500000000000	0.33	0.00
923	N	1	1	185.00	F	25	7	52	0.51	0.280000000000	0.03	0.00
924	N	1	1	120.00	F	25	7	52	0.33	5.500000000000	0.33	0.00
925	N	1	1	55.00	F	25	7	52	0.15	0.280000000000	0.01	0.00
926	N	1	1	97.00	F	25	7	52	0.27	5.500000000000	0.27	0.00
927	N	1	1	0.00	F	25	7	52	0.00	5.500000000000	0.00	0.00
928	N	1	1	0.00	F	25	7	52	0.00	0.760000000000	0.00	0.00
929	N	1	1	2251908.00	F	25	7	52	6186.56	0.001000000000	1.13	0.00
930	N	1	1	2178792.00	F	25	7	52	5985.69	0.002000000000	2.18	0.01
931	N	1	1	14.40	F	25	7	52	0.04	1.008000000000	0.01	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00005 MASAINAME=AK Steel Corp ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
932	VOC	2101900005	019	00005	089	3	10300602	1.000000000000	0	80	1.000000000000	N
933	VOC	2101900005	019	00005	100	1	10300602	1.000000000000	0	80	1.000000000000	N
934	VOC	2101900005	019	00005	100	2	10300602	1.000000000000	0	80	1.000000000000	N
935	VOC	2101900005	019	00005	102	1	10300602	1.000000000000	0	80	1.000000000000	N
936	VOC	2101900005	019	00005	102	2	10300602	1.000000000000	0	80	1.000000000000	N
937	VOC	2101900005	019	00005	102	3	10300602	1.000000000000	0	80	1.000000000000	N
938	VOC	2101900005	019	00005	102	4	10300602	1.000000000000	0	80	1.000000000000	N
939	VOC	2101900005	019	00005	102	5	10300602	1.000000000000	0	80	1.000000000000	N
940	VOC	2101900005	019	00005	102	6	10300602	1.000000000000	0	80	1.000000000000	N
941	VOC	2101900005	019	00005	111	1	30390024	1.000000000000	.	80	.	N
942	VOC	2101900005	019	00005	113114	1	10300602	1.000000000000	.	80	.	N

MASAINAME

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
932	N	1	1	49.57	F	25	7	52	0.14	5.500000000000	0.14	0.00
933	N	1	1	219.00	F	25	7	52	0.60	5.500000000000	0.60	0.00
934	N	1	1	219.00	F	25	7	52	0.60	5.500000000000	0.60	0.00
935	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
936	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
937	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
938	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
939	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
940	N	1	1	54.74	F	25	7	52	0.15	5.500000000000	0.15	0.00
941	N	1	1	0.00	N	25	7	52	0.00	0.961000000000	.	.
942	N	1	1	0.00	N	25	7	52	0.00	5.500000000000	.	.
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											7.96	0.01

MASAINAME

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00005 MASAINAME=AK Steel Corp ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF

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plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND

---
plant_id

VATNY	VATND
7.96	0.01

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00014 MASAINAME=Calgon Carbon Corp ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
943	VOC	2101900014	019	00014	011	1	39999999	1.000000000000	.	80	0.216000000000	N
944	VOC	2101900014	019	00014	011	2	39000699	1.000000000000	.	80	0.216000000000	N
945	VOC	2101900014	019	00014	012	1	39000699	1.000000000000	.	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
943	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
944	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
945	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00

ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00014 MASAINAME=Calgon Carbon Corp ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
946	VOC	2101900014	019	00014	014	1	39999999	1.000000000000	.	80	0.216000000000	N
947	VOC	2101900014	019	00014	014	2	39000699	1.000000000000	.	80	0.216000000000	N
948	VOC	2101900014	019	00014	021	1	39999999	1.000000000000	.	80	0.216000000000	N
949	VOC	2101900014	019	00014	021	2	39000699	1.000000000000	.	80	0.216000000000	N
950	VOC	2101900014	019	00014	026	2	39000699	1.000000000000	0	80	1.000000000000	N
951	VOC	2101900014	019	00014	031	1	30199999	1.000000000000	.	80	0.216000000000	N
952	VOC	2101900014	019	00014	031	2	39000599	1.000000000000	.	80	0.216000000000	N
953	VOC	2101900014	019	00014	031	3	39000699	1.000000000000	.	80	0.216000000000	N
954	VOC	2101900014	019	00014	032	1	39000699	1.000000000000	.	80	1.000000000000	N
955	VOC	2101900014	019	00014	034	1	39999999	1.000000000000	.	80	0.216000000000	N
956	VOC	2101900014	019	00014	034	2	39000699	1.000000000000	.	80	0.216000000000	N
957	VOC	2101900014	019	00014	039	1	39999999	1.000000000000	.	80	0.216000000000	N
958	VOC	2101900014	019	00014	039	2	39000599	1.000000000000	.	80	0.216000000000	N
959	VOC	2101900014	019	00014	039	3	39000699	1.000000000000	.	80	0.216000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
946	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
947	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
948	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
949	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
950	N	1	1	63	F	25	7	52	0.173	2.800000000000	0.09	0.00
951	N	1	1	.	Y	.	.	.	141.467	.	8.12	0.02
952	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
953	N	1	1	.	Y	.	.	.	0.396	.	0.04	0.00
954	N	1	1	.	Y	.	.	.	0.096	.	0.05	0.00
955	N	1	1	.	Y	.	.	.	109.780	.	4.79	0.01
956	N	1	1	.	Y	.	.	.	0.027	.	0.00	0.00
957	N	1	1	.	Y	.	.	.	136.909	.	7.86	0.02
958	N	1	1	.	Y	.	.	.	0.000	.	0.00	0.00
959	N	1	1	.	Y	.	.	.	0.363	.	0.04	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00014 MASAINAME=Calgon Carbon Corp ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
960	VOC	2101900014	019	00014	040	1	39000599	1.000000000000	.	80	1.000000000000	N
961	VOC	2101900014	019	00014	040	2	39000689	1.000000000000	.	80	1.000000000000	N
962	VOC	2101900014	019	00014	042	1	39999999	1.000000000000	.	80	0.216000000000	N
963	VOC	2101900014	019	00014	042	2	39000699	1.000000000000	.	80	0.216000000000	N
964	VOC	2101900014	019	00014	045	1	30199999	1.000000000000	.	80	0.216000000000	N
965	VOC	2101900014	019	00014	045	2	39000699	1.000000000000	.	80	0.216000000000	N
966	VOC	2101900014	019	00014	064	1	10200602	1.000000000000	0	80	1.000000000000	N

MASAINAME
plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
960	N	1	1	.	Y	.	.	.	0.412	.	0.02	0.00
961	N	1	1	.	Y	.	.	.	0.033	.	0.02	0.00
962	N	1	1	.	Y	.	.	.	106.181	.	5.89	0.02
963	N	1	1	.	Y	.	.	.	0.027	.	0.00	0.00
964	N	1	1	.	Y	.	.	.	36.555	.	0.07	0.00
965	N	1	1	.	Y	.	.	.	0.357	.	0.04	0.00
966	N	1	1	0	F	0	7	52	0.000	5.500000000000	0.00	0.00
											---	---
MASAINAME											27.03	0.07
plant_id											27.03	0.07

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00016 MASAINAME=Marathon Petroleum Co LLC - Marine Repair Terminal -

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
967	VOC	2101900016	019	00016	002	3	10200501	1.000000000000	0.0	80	1.000000000000	N
968	VOC	2101900016	019	00016	002	4	10200602	1.000000000000	0.0	80	1.000000000000	N
969	VOC	2101900016	019	00016	003	2	10200501	1.000000000000	0.0	80	1.000000000000	N
970	VOC	2101900016	019	00016	003	3	10200602	1.000000000000	0.0	80	1.000000000000	N
971	VOC	2101900016	019	00016	005	1	40729697	1.000000000000	0.0	80	1.000000000000	N
972	VOC	2101900016	019	00016	005	2	40729697	1.000000000000	0.0	80	1.000000000000	N
973	VOC	2101900016	019	00016	005	3	40729697	1.000000000000	0.0	80	1.000000000000	N
974	VOC	2101900016	019	00016	005	8	40714698	1.000000000000	0.0	80	1.000000000000	N
975	VOC	2101900016	019	00016	005	9	40714698	1.000000000000	0.0	80	1.000000000000	N
976	VOC	2101900016	019	00016	008	1	40729697	1.000000000000	0.0	80	1.000000000000	N
977	VOC	2101900016	019	00016	009	1	40714697	1.000000000000	0.0	80	1.000000000000	N
978	VOC	2101900016	019	00016	009	2	40301021	1.000000000000	0.0	80	1.000000000000	N
979	VOC	2101900016	019	00016	010	3	40301019	1.000000000000	0.0	80	1.000000000000	N
980	VOC	2101900016	019	00016	010	4	40301021	1.000000000000	0.0	80	1.000000000000	N
981	VOC	2101900016	019	00016	011	1	40301019	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
967	N	1	1	0.0	F	25	7	20	0.000	0.200000000000	0.00	0.00
968	N	1	1	31.7	F	25	7	20	0.226	5.500000000000	0.09	0.00
969	N	1	1	0.0	F	25	7	26	0.000	0.200000000000	0.00	0.00
970	N	1	1	13.6	F	25	7	26	0.075	5.500000000000	0.04	0.00
971	N	1	1	504.0	F	25	7	52	1.385	0.272990000000	0.07	0.00
972	N	1	1	210.0	F	25	7	52	0.577	0.272990000000	0.03	0.00
973	N	1	1	210.0	F	25	7	52	0.577	5.830000000000	0.61	0.00
974	N	1	1	12239.0	F	25	7	52	33.624	0.006000000000	0.04	0.00
975	N	1	1	0.0	F	25	7	52	0.000	2.344000000000	0.00	0.00
976	N	1	1	157.0	F	25	7	52	0.431	0.115700000000	0.01	0.00
977	N	1	1	10.0	F	25	7	52	0.027	0.615000000000	0.00	0.00
978	N	1	1	0.0	F	25	7	52	0.000	0.018400000000	0.00	0.00
979	N	1	1	10.0	F	25	7	52	0.027	1.584400000000	0.01	0.00
980	N	1	1	0.0	F	25	7	52	0.000	0.018400000000	0.00	0.00
981	[illegible]	1	1	10.0	F	25	7	5[illegible]	0.027	1.584400000000	0.01	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00016 MASAINAME=Marathon Petroleum Co LLC - Marine Repair Terminal - (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
982	VOC	2101900016	019	00016	011	2	40301021	1.000000000000	0.0	80	1.000000000000	N
983	VOC	2101900016	019	00016	012	1	40714697	1.000000000000	0.0	80	1.000000000000	N
984	VOC	2101900016	019	00016	012	2	40714698	1.000000000000	0.0	80	1.000000000000	N
985	VOC	2101900016	019	00016	013	1	40600240	1.000000000000	0.0	80	1.000000000000	N
986	VOC	2101900016	019	00016	013	2	40600240	1.000000000000	0.0	80	1.000000000000	N
987	VOC	2101900016	019	00016	014	1	40899999	1.000000000000	0.0	80	1.000000000000	N
988	VOC	2101900016	019	00016	014	2	40899999	1.000000000000	0.0	80	1.000000000000	N
989	VOC	2101900016	019	00016	014	3	40899999	1.000000000000	0.0	80	1.000000000000	N
990	VOC	2101900016	019	00016	015	1	40600259	1.000000000000	99.6	80	0.203200000000	N
991	VOC	2101900016	019	00016	015	2	40600259	1.000000000000	99.6	80	0.203200000000	N
992	VOC	2101900016	019	00016	015	3	40600259	1.000000000000	99.6	80	0.203200000000	N
993	VOC	2101900016	019	00016	016	1	40202301	1.000000000000	0.0	80	1.000000000000	N
994	VOC	2101900016	019	00016	016	2	40202301	1.000000000000	0.0	80	1.000000000000	N
995	VOC	2101900016	019	00016	017	4	10200602	1.000000000000	0.0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
982	N	1	1	0.0	F	25	7	52	0.000	0.018400000000	0.00	0.00
983	N	1	1	10.0	F	25	7	52	0.027	2.077900000000	0.01	0.00
984	N	1	1	72.0	F	25	7	52	0.198	0.457000000000	0.02	0.00
985	N	1	1	558.0	F	25	7	52	1.533	0.012000000000	0.00	0.00
986	N	1	1	252.0	F	25	7	52	0.692	3.129000000000	0.39	0.00
987	N	1	1	0.0	F	17	7	50	0.000	0.011660000000	0.00	0.00
988	N	1	1	0.0	F	17	7	50	0.000	4.575000000000	0.00	0.00
989	N	1	1	0.0	F	17	7	50	0.000	0.252300000000	0.00	0.00
990	N	1	1	86520.0	F	25	7	52	237.692	7.577730000000	66.61	0.18
991	N	1	1	78960.0	F	25	7	52	216.923	0.729460000000	5.85	0.02
992	N	1	1	263760.0	F	25	7	52	724.615	0.006000000000	0.16	0.00
993	N	1	1	0.0	F	25	7	52	0.000	2.400000000000	0.00	0.00
994	N	1	1	0.0	F	25	7	52	0.000	3.340000000000	0.00	0.00
995	N	1	1	17.5	F	25	7	52	0.048	5.500000000000	0.05	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS IS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00016 MASAINAME=Marathon Petroleum Co LLC - Marine Repair Terminal - (continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
996	VOC	2101900016	019	00016	018	1	30600518	1.000000000000	0.0	80	1.000000000000	N

MASAINAME
plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
996	N	1	1	11823.0	N	25	7	52	32.481	0.002360000000	0.01	0.00
---											---	---
MASAINAME											74.01	0.20
plant_id											74.01	0.20

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00020 MASAINAME=KES Acquisition Co LLC ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
997	VOC	2101900020	019	00020	002	1	30300908	1.000000000000	0	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
997	N	1	1	70395.0	F	50	4	26	1353.75	0.300000000000	10.56	0.20

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00020 MASAINAME=KES Acquisition Co LLC ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
998	VOC	2101900020	019	00020	002	2	39000699	1.000000000000	0	80	1.000000000000	N
999	VOC	2101900020	019	00020	002	3	39000699	1.000000000000	0	80	1.000000000000	N
1000	VOC	2101900020	019	00020	004	1	39000699	1.000000000000	0	80	1.000000000000	N
1001	VOC	2101900020	019	00020	004	2	39000599	1.000000000000	0	80	1.000000000000	N
1002	VOC	2101900020	019	00020	004	3	39000599	1.000000000000	0	80	1.000000000000	N
1003	VOC	2101900020	019	00020	005	1	39000699	1.000000000000	0	80	1.000000000000	N
1004	VOC	2101900020	019	00020	008	1	39999994	1.000000000000	0	80	1.000000000000	N

MASAINAME
plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
998	N	1	1	188.7	F	50	4	26	3.63	2.780000000000	0.26	0.01
999	N	1	1	43.8	F	50	4	26	0.84	2.780000000000	0.06	0.00
1000	N	1	1	293.0	F	25	5	48	1.22	1.408000000000	0.21	0.00
1001	N	1	1	0.0	F	25	5	48	0.00	0.340000000000	0.00	0.00
1002	N	1	1	0.0	F	25	5	48	0.00	0.500000000000	0.00	0.00
1003	N	1	1	11.0	F	50	4	26	0.21	9.238000000000	0.05	0.00
1004	N	1	1	10981.0	F	25	7	52	30.17	0.374700000000	2.06	0.01
											---	---
											13.20	0.22
											13.20	0.22

MASAINAME
plant_id

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS 09:20 Tuesday, April 11, 2006 1130
ACTUAL POINT SOURCE EMIS NS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00027 MASAINAME=AK Steel Corp - Coke Plant ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
1005	VOC	2101900027	019	00027	006	1	30300302	1.000000000000	99.98	80	0.200160000000	N
1006	VOC	2101900027	019	00027	007	1	30300314	1.000000000000	99.58	80	0.203360000000	N
1007	VOC	2101900027	019	00027	008	1	30300308	1.000000000000	99.84	80	0.201280000000	N
1008	VOC	2101900027	019	00027	009	1	30300306	1.000000000000	0.00	80	1.000000000000	N
1009	VOC	2101900027	019	00027	010	1	30300303	1.000000000000	0.00	80	1.000000000000	N
1010	VOC	2101900027	019	00027	012	1	30300302	1.000000000000	99.99	80	0.200080000000	N
1011	VOC	2101900027	019	00027	013	1	30300399	1.000000000000	99.63	80	0.202960000000	N
1012	VOC	2101900027	019	00027	014	1	30300399	1.000000000000	99.91	80	0.200720000000	N
1013	VOC	2101900027	019	00027	015	1	30300306	1.000000000000	0.00	80	1.000000000000	N
1014	VOC	2101900027	019	00027	016	1	30300303	1.000000000000	0.00	80	1.000000000000	N
1015	VOC	2101900027	019	00027	019	2	39000702	1.000000000000	0.00	80	1.000000000000	N
1016	VOC	2101900027	019	00027	019	3	10200601	1.000000000000	0.00	80	1.000000000000	N
1017	VOC	2101900027	019	00027	020	1	10200707	1.000000000000	0.00	80	1.000000000000	N
1018	VOC	2101900027	019	00027	020	3	10200601	1.000000000000	0.00	80	1.000000000000	N
1019	VOC	2101900027	019	00027	021	1	10200707	1.000000000000	0.00	80	1.000000000000	N

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
1005	N	1	1	374951.00	F	25	7	52	1030.09	2.500000000000	93.81	0.26
1006	N	1	1	374951.00	F	25	7	52	1030.09	1.500000000000	57.19	0.16
1007	N	1	1	374951.00	F	25	7	52	1030.09	1.500000000000	56.60	0.16
1008	N	1	1	374951.00	F	25	7	52	1030.09	0.480000000000	89.99	0.25
1009	N	1	1	374951.00	F	25	7	52	1030.09	0.009000000000	1.69	0.00
1010	N	1	1	836080.00	F	25	7	52	2296.92	2.500000000000	209.10	0.57
1011	N	1	1	836080.00	F	25	7	52	2296.92	1.500000000000	127.27	0.35
1012	N	1	1	836080.00	F	25	7	52	2296.92	1.500000000000	125.86	0.35
1013	N	1	1	836080.00	F	25	7	52	2296.92	0.480000000000	200.66	0.55
1014	N	1	1	836080.00	F	25	7	52	2296.92	0.009000000000	3.76	0.01
1015	N	1	1	119.00	F	25	7	52	0.33	1.200000000000	0.07	0.00
1016	N	1	1	27.70	F	25	7	52	0.08	1.400000000000	0.02	0.00
1017	N	1	1	1631.00	F	25	7	52	4.48	1.200000000000	0.98	0.00
1018	N	1	1	2.27	F	25	7	52	0.01	5.500000000000	0.01	0.00
1019	[illegible]	1	1	1628.00	F	25	7	[illegible]	4.47	1.200000000000	0.98	0.00

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMI ONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00027 MASAINAME=AK Steel Corp - Coke Plant ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
1020	VOC	2101900027	019	00027	021	3	10200601	1.000000000000	0.00	80	1.000000000000	N
1021	VOC	2101900027	019	00027	022	1	10200707	1.000000000000	0.00	80	1.000000000000	N
1022	VOC	2101900027	019	00027	022	3	10200601	1.000000000000	0.00	80	1.000000000000	N
1023	VOC	2101900027	019	00027	023	1	39000702	1.000000000000	0.00	80	1.000000000000	N
1024	VOC	2101900027	019	00027	023	3	10200601	1.000000000000	0.00	80	1.000000000000	N
1025	VOC	2101900027	019	00027	024	1	39000702	1.000000000000	0.00	80	1.000000000000	N
1026	VOC	2101900027	019	00027	026	1	39000702	1.000000000000	0.00	80	1.000000000000	N
1027	VOC	2101900027	019	00027	026	2	10200602	1.000000000000	0.00	80	1.000000000000	N
1028	VOC	2101900027	019	00027	027	1	30190099	1.000000000000	0.00	80	1.000000000000	N
1029	VOC	2101900027	019	00027	043	1	10300601	1.000000000000	0.00	80	1.000000000000	N

MASAINAME
plant_id

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
1020	N	1	1	2.09	F	25	7	52	0.01	5.500000000000	0.01	0.00
1021	N	1	1	1694.00	F	25	7	52	4.65	1.200000000000	1.02	0.00
1022	N	1	1	2.42	F	25	7	52	0.01	5.500000000000	0.01	0.00
1023	N	1	1	0.00	F	25	7	52	0.00	1.200000000000	0.00	0.00
1024	N	1	1	17.24	F	25	7	52	0.05	5.500000000000	0.05	0.00
1025	N	1	1	681.00	F	25	7	52	1.87	1.200000000000	0.41	0.00
1026	N	1	1	459.00	F	40	7	34	3.09	4.540000000000	1.04	0.01
1027	N	1	1	1.75	F	40	7	34	0.01	5.500000000000	0.00	0.00
1028	N	1	1	3.51	F	25	1	1	3.51	8.000000000000	0.01	0.01
1029	N	1	1	0.00	F	25	7	52	0.00	5.500000000000	0.00	0.00
											970.54	2.68
											970.54	2.68

MASAINAME
plant_id

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMIS JS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00106 MASAINAME=TN Gas Pipeline - Station 114 ----------

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
1030	VOC	2101900106	019	00106	004	1	20200202	1.000000000000	0	80	1.000000000000	N
1031	VOC	2101900106	019	00106	004	2	20200202	1.000000000000	0	80	1.000000000000	N
1032	VOC	2101900106	019	00106	004	3	20200202	1.000000000000	0	80	1.000000000000	N
1033	VOC	2101900106	019	00106	004	4	20200202	1.000000000000	0	80	1.000000000000	N
1034	VOC	2101900106	019	00106	004	5	20200202	1.000000000000	0	80	1.000000000000	N
1035	VOC	2101900106	019	00106	004	6	20200202	1.000000000000	0	80	1.000000000000	N
1036	VOC	2101900106	019	00106	004	7	20200202	1.000000000000	0	80	1.000000000000	N
1037	VOC	2101900106	019	00106	005	1	20200201	1.000000000000	0	80	1.000000000000	N
1038	VOC	2101900106	019	00106	005	2	20200201	1.000000000000	0	80	1.000000000000	N
1039	VOC	2101900106	019	00106	005	3	20200201	1.000000000000	0	80	1.000000000000	N

MASAINAME
plant_id
COUNTYN

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
1030	N	1	1	0.2700	F	0	7	52	0	122.000000000000	0.02	0.00
1031	N	1	1	0.0849	F	0	7	52	0	122.000000000000	0.01	0.00
1032	N	1	1	0.1252	F	0	7	52	0	122.000000000000	0.01	0.00
1033	N	1	1	0.1402	F	0	7	52	0	122.000000000000	0.01	0.00
1034	N	1	1	0.3521	F	0	7	52	0	122.000000000000	0.02	0.00
1035	N	1	1	0.3164	F	0	7	52	0	122.000000000000	0.02	0.00
1036	N	1	1	0.3164	F	0	7	52	0	122.000000000000	0.02	0.00
1037	N	1	1	0.0000	F	25	7	52	0	8.581500000000	0.00	0.00
1038	N	1	1	0.0000	F	25	7	52	0	9.677400000000	0.00	0.00
1039	N	1	1	0.0000	F	25	7	52	0	8.771900000000	0.00	0.00
											---	---
											0.11	0.00
											0.11	0.00
											5830.70	17.52

MASAINAME
plant_id
COUNTYN

KENTUCKY DIVISION FOR AIR QUALITY 2004 TEMPO EMISSIONS
ACTUAL POINT SOURCE EMISSIONS OF VOC, CO, AND NO2
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND AREA
BOYD COUNTY
VOC PROCESS LEVEL EMISSIONS PER YEAR (VTPY) AND SUMMER DAY (VTND)

---------- POLLN=VOC AREA=Huntington-Ashland cnty_code=019 COUNTYN=Boyd plant_id=00106 MASAINAME=TN Gas Pipeline - Station 114 ----------
(continued)

Obs	POLLN	ALTFACID	cnty_ code	plant_id	PTID	SEGID	scc	INC	CTEFF	RE	CTEFFX	ASHF
---												
cnty_code												
AREA												
POLLN												

Obs	SULF	UPASH	UPSUL	FUELP	CONF	ATHJ	DWK	WKYR	VPROD	EF	VATNY	VATND
---											---	---
cnty_code											5830.70	17.52
AREA											5830.70	17.52
POLLN											5830.70	17.52
											==========	==========
											5830.70	17.52

APPENDIX B

Area Source Emissions Inventory Information

2002 Surface Cleaning

VOC Emissions Information

Surface Cleaning Area Source Emissions
Remove Perchloroethlene Emissions From Surface Cleaning Area Sources VOC Emissions
& Address Double Counting From Point Sources Surface Cleaning VOC Emissions

County	County Population	EF	(TPD)	EF	(TPD)	EF	(TPD)	*Surface Cleaning VOC Total Without (Perc) (TPD)	**Point Source VOC Emissions Subtracted From Area Sources (TPD)	Surface Cleaning VOC Final Emissions (TPD)
Boyd	49,603	2.5	0.10	1.1	0.11	0.7	0.07	0.37814909776	0	0.28

*Perchlorethylene emissions were removed by reducing surface cleaning VOC emissions by 23% per EPA's May 13, 1993 Helms memorandum

** To avoid double-counting, point source emissions for cold cleaning and vapor degreasing were subtracted from the area source emissions as appropriate

Surface cleaning area source emissions were calculated using the following method:

Cold Cleaning
Auto Repair EF
TPD = ((2.5 x population) / 2000 / (6*52) * .77
+
Cold Cleaning
Manufacturing EF
TPD = ((1.1 x population) / 2000 / (6*52) * .77
+
Vapor & In-Line
Cleaning EF
TPD = ((.70 x Population) / 2000 / (6*52) * .77

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

13 MAY 1993

MAY 1 1993
REGION IV
ATLANTA, GA.
JUN 14 3 52 PM '93
DIRECTOR
KY DIVISION OF
POLLUTION CONTROL
RECEIVED

MEMORANDUM

SUBJECT: Perchloroethylene Emissions from Degreasing

FROM: G. T. Helms, Chief
Ozone/Carbon Monoxide Programs Branch (MD-15)

TO: Air Branch Chiefs, Regions I-X

The Environmental Protection Agency proposed (57 FR 48490, October 26, 1992) to add perchloroethylene (perc) to the list of negligibly reactive compounds in the definition of volatile organic compounds (VOC). Once EPA publishes the final listing of perc as a negligibly reactive compound, States will not be able to include perc in their VOC emissions inventories for determining reasonable further progress under the Clean Air Act and may not take credit for controlling perc emissions in their ozone State Implementation Plans.

States have asked for information on how much of their VOC emissions inventories contain perc from "degreasing" emissions so that they may know how to modify their 1990 rate-of-progress base year inventories for development of their 15 percent rate-of-progress plans, which are due November 15, 1993. This memorandum provides information in anticipation of the expected listing of perc as an exempt compound.

The major solvents used in degreasing, with national consumption data obtained from the Emission Standards Division, Office of Air Quality Planning and Standards are:

	Metric tons/year
trichloroethylene (TCE)	36,000
perchloroethylene	10,900
methylene chloride	7,600
1,1,1 trichloroethane (TCA)	72,200

Of these, only trichloroethylene and perc are currently considered to be VOC. The other two compounds are listed as having negligible photochemical reactivity in the definition of VOC (57 FR 3945).

The above numbers show that perc is about 23 percent of the VOC used for degreasing. Therefore, in the absence of more relevant local information, this national value may be used to

remove perc from the base year VOC inventory in developing the 15 percent rate-of-progress plan.

There is a potential problem with this value when existing inventories are adjusted by the above factor and then projected into the future. 1,1,1 trichloroethane (TCA), a stratospheric ozone depleter, will be phased out of production by January 1, 1996 and will be difficult to obtain after that date. It is expected that previous users will then shift from use of TCA to TCE. Therefore, the use of TCE will significantly rise in 1996, and perc is expected to become smaller than 23 percent of total VOC use for degreasing.

In summary, perc emissions need to be removed from the rate-of-progress base year inventory prior to preparing the 15 percent rate-of-progress plan since reductions in perc will not be creditable toward the 15 percent reduction in VOC emissions. The adjustment for perc will be necessary as a result of EPA's pending publication of the final listing of perc as a negligibly photochemically reactive compound. This memorandum has provided guidance on how to make this adjustment.

It is important not only to continue to collect the data for perc, ethane, and other "negligibly reactive" compounds in order to have a complete inventory, but also to distinguish perc and other compounds with negligible reactivity from the compounds that EPA considers reactive for purposes of the 15 percent plans. This is necessary because these data are needed for purposes of urban airshed modeling (which distinguishes compounds by level of reactivity) and may be useful for other States' inventory exercises such as air toxics, etc. If you have any questions, please address them to Bill Johnson at (919) 541-5245 or Mary Ann Warner-Selph at (919) 541-1192.

cc: D. Mobley
K. Berry
J. Silvasi
D. Cole
L. Schultz
K. Scavo
D. Misenheimer
M. Warner-Selph
S. Wyatt
P. Almodovar

2002 Dry Cleaning

VOC Emissions Information

Dry Cleaning Area Source Emissions
Remove Perchlorethylene Emissions From Dry Cleaning Area Source VOC Emissions

County	Population	EF	(TPD)	EF	(TPD)	EF	(TPD)*	*Dry Cleaning VOC Final Emissions (TPD)
Boyd	49,603	0.009	0.00	0.73	0.07	1.1	0.11	0.11

*To avoid double counting, per previous EPA guidance, only Other Solvents dry cleaning emissions were included in the dry cleaning area source total VOC emissions. This was done to exclude perchlorethylene emissions.

Coin Operated Dry Cleaning Emission Factor (Excluded Emissions)
TPD = (0.009 x Population) / 2000 / (5*52)

Commercial/Industrial Dry Cleaning Emission Factor (Excluded Emissions)
TPD = (0.73 x Population) / 2000 / (5*52)

*Other Solvents Dry Cleaning Emission Factor *(Included Emissions)
TPD = (1.1 x Population) / 2000 / (5*52)

Total Area Source Dry Cleaning VOC Emissions (TPD) = *Other Solvents Dry Cleaning VOC Emissions (TPD)

APPENDIX C

Non-highway Mobile Runs

Emission Totals by County and Pollutant

All Fuels **Tons/Day**

BOYD AREA
2002 (Boyd02)

Typical weekday for Summer Season, 2002

Date of Model Run: May 01 14:50:49: 2006 Today's Date: 5/1/2006

FIPS	County	Exhaust VOC	Exhaust NOx	Exhaust CO	Exhaust PM25	Exhaust SO2	Exhaust CO2	Crankcase VOC	Diurnal VOC
21019	Boyd County	0.45	0.63	9.37	0.04	0.05	56.90	0.02	0.04
Totals:		**0.45**	**0.63**	**9.37**	**0.04**	**0.05**	**56.90**	**0.02**	**0.04**

Emission Totals by County and Pollutant

All Fuels **Tons/Day**

BOYD AREA
2002 (Boyd02)

Typical weekday for Summer Season, 2002

Date of Model Run: May 01 14:50:49: 2006 Today's Date: 5/1/2006

FIPS	County	Vapor Displacement VOC	Spillage VOC	Hot Soak VOC	Running Loss VOC	Tank Permeation VOC	Hose Permeation VOC	Total VOC
21019	Boyd County	0.01	0.02	0.00	0.01	0.03	0.11	0.71
Totals:		**0.01**	**0.02**	**0.00**	**0.01**	**0.03**	**0.11**	**0.71**

APPENDIX D

Mobile Model Runs and Documentation

Highway Mobile Source

2002 Emissions Summary

2002 HIGHWAY MOBILE SOURCE EMISSIONS SUMMARY -- 8-HOUR OZONE COUNTIES

YEAR:	2002	Mobile Model Used:	M6.2			THE ENTIRE COUNTY IS CONSIDERED. THEREFORE, THE APPORTIONMENT FACTOR IS EQUAL TO 100%.				
COUNTY:	Boyd									
SCENARIO:	M6.2 Defaults									
ROAD CLASS	DVMT		VOC EF	CO EF	NOx EF		VOC tpd	CO tpd	NOx tpd	
R INTERST	241,441		1.495	22.817	3.592		0.40	6.07	0.96	
R PRIN ART	130,224		1.524	21.080	2.859		0.22	3.03	0.41	
R MIN ART	0		13.806	59.588	4.369		0.00	0.00	0.00	
R MAJ COLL	105,139		1.604	19.086	2.494		0.19	2.21	0.29	
R MIN COLL	26,393		1.650	18.272	2.407		0.05	0.53	0.07	
R LOCAL	42,370		1.717	17.342	2.351		0.08	0.81	0.11	
U INTERST	0		12.848	56.959	4.462		0.00	0.00	0.00	
U FREEWAY	0		12.848	56.959	4.462		0.00	0.00	0.00	
U PRIN ART	506,265		1.792	17.252	2.371		1.00	9.63	1.32	County
U MIN ART	152,949		1.857	17.361	2.406		0.31	2.93	0.41	Apport.
U COLL	101,222		1.752	17.300	2.360		0.20	1.93	0.26	Factor
U LOCAL	141,348		2.689	17.507	2.439		0.42	2.73	0.38	
	1,447,351						2.86	29.87	4.21	100.0%

MOBILE6.2 Default Controls

2002

BOYD COUNTY		
VOC tpd	CO tpd	NOx tpd
2.86	29.87	4.21

2002 Speed and DVMT Data

From

Kentucky Transportation Cabinet

Speed and DVMT Data

From

Kentucky Transportation Cabinet

Daily VMT Estimates and Forecasts

Boyd County

HPMS Roadway Classification (FC)	MOBILE 6 Facility Type	% M6 Freeway	% M6 Ramp	Speed (mph)	Functional Class % 2003 (use for 2002)	Functional Class % 2004 (use for greater than 2002)	2002	2004	2005	2008	2011	2014	2017	2018
Rural Interstate	Freeway	98.5	1.5	69.0	100.00%	100.00%	241,441	259,612	268,698	295,965	324,014	353,627	380,899	389,599
Rural Principal Arterial	Arter/Coll			57.0	10.80%	11.37%	130,224	142,037	147,943	160,620	171,580	179,106	185,064	186,788
Rural Minor Arterial	Arter/Coll	NA	NA	NA	0.00%	0.00%	0	0	0	0	0	0	0	0
Rural Major Collector	Arter/Coll			46.0	8.72%	8.69%	105,139	110,419	113,059	122,747	131,122	136,873	141,427	142,745
Rural Minor Collector	Arter/Coll			41.0	2.19%	2.21%	26,393	27,984	28,779	31,245	33,377	34,841	36,000	36,335
Rural Local	Arter/Coll			35.0	3.51%	3.65%	42,370	45,763	47,460	51,526	55,042	57,457	59,368	59,921
Urban Interstate	Freeway	NA	NA	NA	0.00%	0.00%	0	0	0	0	0	0	0	0
Urban Freeway	Freeway	NA	NA	NA	0.00%	0.00%	0	0	0	0	0	0	0	0
Urban Principal Arterial	Arter/Coll			31.0	41.98%	40.55%	506,265	520,425	527,504	572,704	611,782	638,616	659,860	666,009
Urban Minor Arterial	Arter/Coll			28.0	12.68%	12.51%	152,949	159,523	162,810	176,760	188,821	197,103	203,660	205,558
Urban Collector	Arter/Coll			33.0	8.39%	8.76%	101,222	109,750	114,015	123,784	132,231	138,031	142,622	143,951
Urban Local	Local			12.9	11.72%	12.25%	141,348	153,360	159,366	173,021	184,827	192,934	199,352	201,210
Total DVMT							1,447,352	1,528,872	1,569,633	1,708,373	1,832,796	1,928,588	2,008,251	2,032,117
Total Interstate					100.00%	100.00%	241,441	259,612	268,698	295,965	324,014	353,627	380,899	389,599
Total Non-Interstate					100.00%	100.00%	1,205,911	1,269,260	1,300,935	1,412,407	1,508,782	1,574,961	1,627,352	1,642,518
							1,447,352	1,528,872	1,569,633	1,708,373	1,832,796	1,928,588	2,008,251	2,032,117

NOTE:

VMT for 2005, 2010, 2025, 2020, 2025, 2030 taken from KYTC forecast spreadsheet 2004-2030 VMT Tables.xls with latest 2004 data added; other years interpolated

Functional Class % taken from VMT03.xls file used for 2002

Functional Class % taken from VMT04.xls file used for > 2002

Source: Kentucky Transportation Cabinet, Division of Planning - March 29, 2006

Procedures and Planning Assumptions

From

Kentucky Transportation Cabinet

Kentucky Transportation Cabinet Vehicles Miles Traveled (VMT) County Level Forecast Methodology

Vehicles Miles Traveled (VMT) are determined at the county level for interstate and non-interstate for five-year increment periods from 2000 - 2030. The procedure is as follows:

Statewide interstate VMT are forecast for five-year increment periods from 2000 - 2030 as determined from trend equations based on the Highway Performance Monitoring System (HPMS) historical estimates from 1993-2004. In a similar manner, statewide non-interstate VMT forecasts are determined. County level interstate growth rates are determined for the targeted forecast years based on an analysis of historical traffic data conducted by the Kentucky Transportation Center (KTC) in 2001, "Analysis of Traffic Growth Rates", KTC-01-15/SPR213-00-1F, and a refined analysis performed by KTC. County level non-interstate growth rates were determined for increase in VMT per capita based on HPMS historical trends and normalized by population. The respective growth rates were applied for each county for each forecast year for interstate and non-interstate VMT. The initial county level interstate forecast VMT were further adjusted so the sum of the county VMT totals matched the statewide VMT totals for the forecast years. Similarly, the initial county level non-interstate forecasted VMT were adjusted (based on population increase forecasts) so the sum of the county VMT totals matched the statewide VMT totals for the forecast years.

BOYD COUNTY 8-HOUR OZONE REDESIGNATION REQUEST

HIGHWAY MOBILE SOURCES –

MOBILE6.2 Temperature Data

2002, 2003, 2004

April 2006

Minimum and Maximum

Summer Temperature

Data

Boyd County's Temperatures Based on Top Ten 8-Hour Ozone Values (June-August 2002-2004)

County	Site	Date	ppm	Weather Station Used from UK Web Site	Chronological Unique Dates	Min T (Degrees F) Source: UK	Max T (Degrees F) Source: UK
Boyd	FIVCO Health Dept	06/19/02	0.107	Huntington, WV			
Boyd	FIVCO Health Dept	06/24/03	0.106	Huntington, WV			
Boyd	FIVCO Health Dept	08/02/02	0.105	Huntington, WV			
Boyd	FIVCO Health Dept	06/25/02	0.103	Huntington, WV			
Boyd	FIVCO Health Dept	06/30/03	0.099	Huntington, WV			
Boyd	FIVCO Health Dept	06/20/02	0.095	Huntington, WV			
Boyd	FIVCO Health Dept	08/01/02	0.095	Huntington, WV			
Boyd	FIVCO Health Dept	07/16/02	0.094	Huntington, WV			
Boyd	FIVCO Health Dept	08/03/02	0.094	Huntington, WV	06/19/02	58	86
Boyd	FIVCO Health Dept	08/21/02	0.094	Huntington, WV	06/20/02	64	89
					06/25/02	66	91
					07/16/02	65	89
					08/01/02	67	92
					08/02/02	69	95
					08/03/02	68	96
					08/21/02	62	91
					06/24/03	58	85
					06/30/03	61	86
				Average Min/Max T (Degrees F)		64	90
				Ambient T (Degrees F)		→	81
Area:	Ashland			Final Min/Max T For Area:		64	90

Local climatological data from the University of Kentucky's Agricultural Weather Center Web Site were used. The station selected was Huntington, West Virginia. The temperature guidance can be found in "Procedures for Emission Inventory Preparation, Volume 4: Mobile Sources" and was last updated with the MOBILE4.1 model.

-- April 2006

Ozone Monitoring Data

Used For Summer

Temperature Calculations

Current Date : 03/28/06
Current Time : 14:41

Maximum Hourly Averages Report - Validated DataBase
Environmental Systems Corporation

06/01/02 thru 08/31/02

Logger Id : 5J
Logger Name : FIVCO HEALTH DEPT. (BOYD CO.)
Avg Interval: 08 hour

Parameter : OZONE
Units : PPM
Avg Type : Forward

Rank	Average	Date	Hour
1	.107	06/19/02	11
2	.105	08/02/02	10
3	.103	06/25/02	10
4	.095	06/20/02	10
5	.095	08/01/02	11
6	.094	07/16/02	11
7	.094	08/03/02	10
8	.094	08/21/02	12
9	.092	08/05/02	11
10	.092	08/13/02	11
11	.091	06/22/02	11
12	.090	06/21/02	11
13	.089	07/17/02	09
14	.089	08/10/02	10
15	.087	08/09/02	12
16	.086	06/10/02	11
17	.085	06/18/02	11
18	.084	08/23/02	10
19	.082	06/29/02	11
20	.082	07/01/02	12
21	.082	08/04/02	10
22	.082	08/12/02	11
23	.081	07/25/02	11
24	.081	08/22/02	11
25	.080	06/30/02	11

Current Date : 03/28/06
Current Time : 14:42

Maximum Hourly Averages Report - Validated DataBase
Environmental Systems Corporation

06/01/03 thru 08/31/03

Logger Id : 5J
Logger Name : FIVCO HEALTH DEPT. (BOYD CO.)
Avg Interval: 08 hour

Parameter : OZONE
Units : PPM
Avg Type : Forward

Rank	Average	Date	Hour
1	.106	06/24/03	11
2	.099	06/30/03	11
3	.088	06/23/03	11
4	.088	06/25/03	10
5	.088	07/17/03	11
6	.086	07/30/03	11
7	.077	07/03/03	11
8	.075	07/14/03	11
9	.074	06/06/03	10
10	.074	07/25/03	11
11	.074	08/13/03	12
12	.074	08/19/03	11
13	.073	06/05/03	11
14	.073	06/19/03	10
15	.072	07/27/03	11
16	.072	08/26/03	11
17	.071	06/26/03	12
18	.071	06/28/03	10
19	.071	07/26/03	10
20	.071	08/15/03	09
21	.070	08/20/03	11
22	.069	07/04/03	10
23	.069	07/19/03	12
24	.069	07/20/03	10
25	.069	07/29/03	11

Current Date : 03/28/06
Current Time : 15:27

Maximum Hourly Averages Report - Validated DataBase
Environmental Systems Corporation

06/01/04 thru 08/31/04

Logger Id : 5J
Logger Name : HEALTH DEPT. (BOYD CO.)
Avg Interval: 08 hour

Parameter : OZONE
Units : PPM
Avg Type : Forward

Rank	Average	Date	Hour
1	.079	06/30/04	11
2	.068	06/06/04	11
3	.068	06/07/04	11
4	.067	08/03/04	11
5	.066	08/19/04	10
6	.064	06/27/04	10
7	.062	06/29/04	11
8	.062	07/02/04	10
9	.060	06/08/04	10
10	.059	07/20/04	11
11	.059	07/21/04	11
12	.059	08/02/04	11
13	.059	08/17/04	10
14	.058	06/28/04	10
15	.057	06/05/04	11
16	.057	06/21/04	11
17	.057	06/23/04	11
18	.057	07/14/04	12
19	.057	08/18/04	11
20	.056	07/16/04	11
21	.056	07/19/04	10
22	.055	06/18/04	12
23	.055	07/13/04	10
24	.055	08/20/04	11
25	.055	08/22/04	11

Mobile6.2

2002
Input

File

```
* Filename:  d:\Mobile62\Ky_M62\8-Hr03\02-8ozo.in

* This input file is a MOBILE6.2 run for the 8-hour ozone designations and the 2002 emissions
* inventory.  The counties include Boone, Campbell, Kenton (NKY), Boyd (Ashland), Jefferson,
* Bullitt, and Oldham (Louisville) Counties.  OKI will be addressing Boone, Campbell, and
* Kenton Counties.  And the APCDJC will be addressing Jefferson County.  The year will be 2002.

* NOTE:  For some Road Classifications, there are no DVMT.  The lowest speed that the
* MOBILE6 model accepts is 2.5 mph.  For these Road Classifications, 2.5 mph is indicated
* simply to make the model run.  These corresponding emission factors will not influence
* the emission total because DVMT = 0 for that Road Classification.

* According to the EPA document, "Technical Guidance on the Use of MOBILE6.2 for Emission
* Inventory Preparation" (August 2004), Kentucky has amended the standard MOBILE6.2 input
* file to reflect three modifications relating to highway mobile source emission calculations.
* The modifications are:  (1) Do not include Ramp as a single Road Classification entry,
* (2) for Rural Local, change Local in the Average Speed line to Arterial and use KYTC's actual
* Rural Local speed and not 12.9 mph, and (3) replace the Diesel Sulfur value of 500 ppm with a
* state-specific value provided on an EPA web link.

******************************     Header Section     *********************************
MOBILE6 INPUT FILE :
REPORT FILE        : d:\Mobile62\Ky_M62\8-Hr03\02-8ozo.out
RUN DATA

******************************     Run Section #1     *********************************

FUEL RVP           : 9.0
MIN/MAX TEMP       : 66.0 91.0

******************************    Scenario Section #1    *********************************

SCENARIO RECORD    : Boyd              Rural Interstate 69.0 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
AVERAGE SPEED      : 69.0 Freeway 98.5 0.0 0.0 1.5

SCENARIO RECORD    : Boyd              Rural Principal Arterial 57.0 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
AVERAGE SPEED      : 57.0 Arterial

SCENARIO RECORD    : Boyd              Rural Minor Arterial 2.5 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
```

```
AVERAGE SPEED       : 2.5 Arterial

SCENARIO RECORD     : Boyd              Rural Major Collector 46.0 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 46.0 Arterial

SCENARIO RECORD     : Boyd              Rural Minor Collector 41.0 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 41.0 Arterial

SCENARIO RECORD     : Boyd              Rural Local 35.0 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 35.0 Arterial

* Unless a specific local speed is available, a default MOBILE6 average speed of 12.9 mph is used.

SCENARIO RECORD     : Boyd              Urban Interstate 2.5 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 2.5 Freeway

SCENARIO RECORD     : Boyd              Urban Freeway 2.5 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 2.5 Freeway

SCENARIO RECORD     : Boyd              Urban Principal Arterial 31.0 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 31.0 Arterial

SCENARIO RECORD     : Boyd              Urban Minor Arterial 28.0 mph - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 28.0 Arterial

SCENARIO RECORD     : Boyd              Urban Collector 33.0 mph - CY2002
DIESEL SULFUR       : 323.00
```

```
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 33.0 Arterial

SCENARIO RECORD     : Boyd              Urban Local 12.9 mph Default - CY2002
DIESEL SULFUR       : 323.00
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
AVERAGE SPEED       : 12.9 Local

* Note that 12.9 mph is the default MOBILE6 average speed for Local and cannot be changed.


END OF RUN
************************     End of Run #1, Begin Run Section #2    ************************
```

Mobile6.2

2002
Output

File

```
*************************************************************************
* MOBILE6.:   ; (24-Sep-2003)                                           *
* Input file: D:\MOBILE62\KY_M62\8-HRO3\02-8OZO.IN (file 1, run 1).     *
*************************************************************************

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Rural Interstate 69.0 mph - CY2002
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M 96 Warning:
                 69.0     speed reduced to 65 mph maximum
  M515 Warning:
            The combined freeway and ramp average speed entered
            cannot be greater than 64.2 miles per hour.
            The average speed will be reset to this value.
  M582 Warning:
            The user supplied freeway average speed of 64.2
            will be used for all hours of the day. 100% of VMT
            has been assigned to a fixed combination of freeways
            and freeway ramps for all hours of the day and all
             vehicle types.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  66.0 (F)
             Maximum Temperature:  91.0 (F)
               Absolute Humidity:   75. grains/lb
                Nominal Fuel RVP:   9.0 psi
                   Weathered RVP:   8.6 psi
             Fuel Sulfur Content:  279. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  No
                Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:     0.4568    0.3091    0.1063              0.0360    0.0008    0.0017    0.0833    0.0060    1.0000
 ---------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite VOC :      1.370     1.566     2.482     1.800     1.811     0.574     0.770     0.443      2.85     1.495
    Composite CO  :     21.29     25.51     35.83     28.15     27.68     1.583     1.545     3.009     24.56    22.817
    Composite NOX :      1.246     1.479     1.832     1.569     5.978     2.582     2.668    25.673      1.66     3.592
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Rural Principal Arterial 57.0 mph - CY2002
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #
```

M583 Warning:
ie user supplied arterial average speed of 57.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	66.0 (F)
Maximum Temperature:	91.0 (F)
Absolute Humidity:	75. grains/lb
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	279. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	No
Reformulated Gas:	No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.398	1.603	2.549	1.845	1.828	0.576	0.772	0.446	2.39	1.524
Composite CO :	19.72	23.91	34.18	26.54	21.06	1.462	1.429	2.526	12.85	21.080
Composite NOX :	1.215	1.438	1.789	1.527	5.696	1.952	2.016	17.406	1.45	2.859

* #
* Boyd Rural Minor Arterial 2.5 mph - CY2002
* File 1, Run 1, Scenario 3.
* #
M583 Warning:
The user supplied arterial average speed of 2.5
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	66.0 (F)
Maximum Temperature:	91.0 (F)
Absolute Humidity:	75. grains/lb
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi

Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	14.542	13.167	19.831	14.873	20.739	1.610	2.144	2.143	9.04	13.806
Composite CO :	55.42	57.32	94.85	66.93	122.67	4.797	4.652	15.861	119.42	59.588
Composite NOX :	2.561	2.651	3.221	2.797	3.633	2.613	2.700	22.735	1.04	4.369

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Rural Major Collector 46.0 mph - CY2002
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 46.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 66.0 (F)
Maximum Temperature: 91.0 (F)
Absolute Humidity: 75. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.6 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.471	1.682	2.679	1.937	1.970	0.606	0.812	0.496	2.27	1.604
Composite CO :	17.67	21.75	31.96	24.36	17.68	1.421	1.389	2.361	9.91	19.086
Composite NOX :	1.180	1.386	1.738	1.476	5.280	1.492	1.540	13.693	1.21	2.494

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Rural Minor Collector 41.0 mph - CY2002
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 41.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  66.0 (F)
             Maximum Temperature:  91.0 (F)
               Absolute Humidity:   75. grains/lb
                Nominal Fuel RVP:   9.0 psi
                   Weathered RVP:   8.6 psi
             Fuel Sulfur Content:  279. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  No
                Reformulated Gas:  No
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.514	1.720	2.739	1.981	2.082	0.633	0.847	0.539	2.32	1.650
Composite CO :	16.74	20.77	30.95	23.37	17.86	1.447	1.414	2.466	10.56	18.272
Composite NOX :	1.165	1.364	1.717	1.455	5.092	1.397	1.441	12.925	1.17	2.407

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Rural Local 35.0 mph - CY2002
* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 35.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
```

```
                 Altitude:  Low
Minimum Temperature:  66.0 (F)
Maximum Temperature:  91.0 (F)
  Absolute Humidity:   75. grains/lb
   Nominal Fuel RVP:   9.0 psi
      Weathered RVP:   8.6 psi
Fuel Sulfur Content:  279. ppm

Exhaust I/M Program:  No
   Evap I/M Program:  No
        ATP Program:  No
   Reformulated Gas:  No
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.575	1.772	2.820	2.040	2.276	0.678	0.907	0.613	2.41	1.717
Composite CO :	15.61	19.57	29.73	22.17	19.40	1.519	1.483	2.754	11.91	17.342
Composite NOX :	1.154	1.345	1.699	1.436	4.861	1.345	1.388	12.508	1.14	2.351

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Urban Interstate 2.5 mph - CY2002
* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
 M514 Warning:
            The combined freeway and ramp average speed entered
           cannot be less than  2.7 miles per hour.
           The average speed will be reset to this value.
 M582 Warning:
           The user supplied freeway average speed of  2.7
           will be used for all hours of the day. 100% of VMT
           has been assigned to a fixed combination of freeways
           and freeway ramps for all hours of the day and all
            vehicle types.
 M 48 Warning:
            there are no sales for vehicle class HDGV8b

                 Calendar Year:  2002
                         Month:  July
                      Altitude:  Low
           Minimum Temperature:  66.0 (F)
           Maximum Temperature:  91.0 (F)
             Absolute Humidity:   75. grains/lb
              Nominal Fuel RVP:   9.0 psi
                 Weathered RVP:   8.6 psi
           Fuel Sulfur Content:  279. ppm

           Exhaust I/M Program:  No
              Evap I/M Program:  No
                   ATP Program:  No
```

Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000

Composite Emission Factors (g/mi):

Composite VOC :	13.515	12.268	18.482	13.859	19.251	1.535	2.045	2.020	8.51	12.848
Composite CO :	53.20	55.05	90.40	64.09	114.35	4.533	4.397	14.806	110.76	56.959
Composite NOX :	2.469	2.572	3.125	2.713	3.731	2.511	2.594	24.729	1.04	4.462

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Urban Freeway 2.5 mph - CY2002
* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
 M514 Warning:
            The combined freeway and ramp average speed entered
           cannot be less than  2.7 miles per hour.
           The average speed will be reset to this value.
 M582 Warning:
           The user supplied freeway average speed of  2.7
           will be used for all hours of the day. 100% of VMT
           has been assigned to a fixed combination of freeways
           and freeway ramps for all hours of the day and all
            vehicle types.
 M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  66.0 (F)
             Maximum Temperature:  91.0 (F)
               Absolute Humidity:   75. grains/lb
                Nominal Fuel RVP:   9.0 psi
                    Weathered RVP:   8.6 psi
             Fuel Sulfur Content:  279. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  No
                Reformulated Gas:  No
```


Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000

Composite Emission Factors (g/mi):

Composite VOC :	13.515	12.268	18.482	13.859	19.251	1.535	2.045	2.020	8.51	12.848
Composite CO :	53.20	55.05	90.40	64.09	114.35	4.533	4.397	14.806	110.76	56.959
Composite NOX :	2.469	2.572	3.125	2.713	3.731	2.511	2.594	24.729	1.04	4.462

```
---------  --------------------------------------------------  -------------------------------------------------  -----

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd              Urban Principal Arterial 31.0 mph - CY2002
* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #
 M583 Warning:
          The user supplied arterial average speed of 31.0
          will be used for all hours of the day.  100% of VMT
          has been assigned to the arterial/collector roadway
          type for all hours of the day and all vehicle types.
 M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
            Minimum Temperature:  66.0 (F)
            Maximum Temperature:  91.0 (F)
              Absolute Humidity:   75. grains/lb
               Nominal Fuel RVP:   9.0 psi
                  Weathered RVP:   8.6 psi
            Fuel Sulfur Content:  279. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
                    ATP Program:  No
               Reformulated Gas:  No
```

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.642	1.837	2.927	2.116	2.460	0.719	0.961	0.680	2.51	1.792
Composite CO :	15.39	19.29	29.57	21.92	21.52	1.602	1.563	3.084	13.23	17.252
Composite NOX :	1.179	1.363	1.720	1.454	4.715	1.354	1.397	12.581	1.10	2.371

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd              Urban Minor Arterial 28.0 mph - CY2002
* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # #
 M583 Warning:
          The user supplied arterial average speed of 28.0
          will be used for all hours of the day.  100% of VMT
          has been assigned to the arterial/collector roadway
          type for all hours of the day and all vehicle types.
 M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
```

```
                 Altitude:  Low
       Minimum Temperature:  66.0 (F)
       Maximum Temperature:  91.0 (F)
         Absolute Humidity:   75. grains/lb
          Nominal Fuel RVP:   9.0 psi
             Weathered RVP:   8.6 psi
       Fuel Sulfur Content:  279. ppm

       Exhaust I/M Program:  No
          Evap I/M Program:  No
               ATP Program:  No
          Reformulated Gas:  No

   Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
           GVWR:                <6000     >6000    (All)
                     ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
 VMT Distribution:    0.4568    0.3091    0.1063              0.0360    0.0008    0.0017    0.0833    0.0060    1.0000
-----------------------------------------------------------------------------------------------------------------------
Composite Emission Factors (g/mi):
   Composite VOC :     1.701     1.892     3.013     2.179     2.637     0.756     1.010     0.741      2.59     1.857
   Composite CO  :     15.39     19.24     29.67     21.91     23.78     1.685     1.644     3.418     14.43    17.361
   Composite NOX :     1.208     1.387     1.748     1.480     4.605     1.378     1.422    12.771      1.07     2.406
-----------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Urban Collector 33.0 mph - CY2002
* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
 M583 Warning:
          The user supplied arterial average speed of 33.0
          will be used for all hours of the day.  100% of VMT
          has been assigned to the arterial/collector roadway
          type for all hours of the day and all vehicle types.
 M 48 Warning:
           there are no sales for vehicle class HDGV8b

                Calendar Year:  2002
                        Month:  July
                     Altitude:  Low
       Minimum Temperature:  66.0 (F)
       Maximum Temperature:  91.0 (F)
         Absolute Humidity:   75. grains/lb
          Nominal Fuel RVP:   9.0 psi
             Weathered RVP:   8.6 psi
       Fuel Sulfur Content:  279. ppm

       Exhaust I/M Program:  No
          Evap I/M Program:  No
               ATP Program:  No
          Reformulated Gas:  No

   Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
           GVWR:                <6000     >6000    (All)
                     ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
```

VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.607	1.803	2.870	2.076	2.362	0.697	0.932	0.645	2.46	1.752
Composite CO :	15.50	19.44	29.66	22.05	20.40	1.558	1.521	2.909	12.53	17.300
Composite NOX :	1.166	1.353	1.709	1.444	4.792	1.349	1.392	12.542	1.12	2.360

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Boyd                Urban Local 12.9 mph Default - CY2002
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M585 Warning:
            100% of VMT has been assigned to the local roadway
            type for all hours of the day for all vehicle types
            with an average speed of 12.9 mph.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  66.0 (F)
             Maximum Temperature:  91.0 (F)
               Absolute Humidity:   75. grains/lb
                Nominal Fuel RVP:   9.0 psi
                   Weathered RVP:   8.6 psi
             Fuel Sulfur Content:  279. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  No
                Reformulated Gas:  No
```

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4568	0.3091	0.1063		0.0360	0.0008	0.0017	0.0833	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	2.484	2.639	4.072	3.006	4.814	1.095	1.461	1.298	3.48	2.689
Composite CO :	13.16	18.20	29.93	21.20	52.80	2.668	2.594	7.348	27.79	17.507
Composite NOX :	1.177	1.310	1.670	1.402	4.026	1.803	1.862	13.972	0.91	2.439

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: D:\MOBILE62\KY_M62\8-HRO3\02-8OZO.IN (file 1, run 2).     *
*************************************************************************
  M616 Comment:
             User has supplied post-1999 sulfur levels.
```

```
* Filename:  d:\Mobile62\Ky_M62\8-HrO3\02-8ozo.in

* This input file is a MOBILE6.2 run for the 8-hour ozone designations and the 2002 emissions
* inventory.  The counties include Boone, Campbell, Kenton (NKY), Boyd (Ashland), Jefferson,
* Bullitt, and Oldham (Louisville) Counties.  OKI will be addressing Boone, Campbell, and
* Kenton Counties.  And the APCDJC will be addressing Jefferson County.  The year will be 2002.

* NOTE:  For some Road Classifications, there are no DVMT.  The lowest speed that the
* MOBILE6 model accepts is 2.5 mph.  For these Road Classifications, 2.5 mph is indicated
* simply to make the model run.  These corresponding emission factors will not influence
* the emission total because DVMT = 0 for that Road Classification.

* According to the EPA document, "Technical Guidance on the Use of MOBILE6.2 for Emission
* Inventory Preparation" (August 2004), Kentucky has amended the standard MOBILE6.2 input
* file to reflect three modifications relating to highway mobile source emission calculations.
* The modifications are:  (1) Do not include Ramp as a single Road Classification entry,
* (2) for Rural Local, change Local in the Average Speed line to Arterial and use KYTC's actual
* Rural Local speed and not 12.9 mph, and (3) replace the Diesel Sulfur value of 500 ppm with a
* state-specific value provided on an EPA web link.

******************************     Header Section     *******************************
MOBILE6 INPUT FILE :
REPORT FILE        : d:\Mobile62\Ky_M62\8-HrO3\02-8ozo.out
RUN DATA

******************************     Run Section #1     *******************************

FUEL RVP           : 9.0
MIN/MAX TEMP       : 66.0 91.0

******************************    Scenario Section #1    *******************************

SCENARIO RECORD    : Boyd              Rural Interstate 69.0 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
AVERAGE SPEED      : 69.0 Freeway 98.5 0.0 0.0 1.5

SCENARIO RECORD    : Boyd              Rural Principal Arterial 57.0 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
AVERAGE SPEED      : 57.0 Arterial

SCENARIO RECORD    : Boyd              Rural Minor Arterial 2.5 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
AVERAGE SPEED      : 2.5 Arterial

SCENARIO RECORD    : Boyd              Rural Major Collector 46.0 mph - CY2002
DIESEL SULFUR      : 323.00
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
```

AVERAGE SPEED : 46.0 Arterial

SCENARIO RECORD : Boyd Rural Minor Collector 41.0 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 41.0 Arterial

SCENARIO RECORD : Boyd Rural Local 35.0 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 35.0 Arterial

* Unless a specific local speed is available, a default MOBILE6 average speed of 12.9 mph is used.

SCENARIO RECORD : Boyd Urban Interstate 2.5 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 2.5 Freeway

SCENARIO RECORD : Boyd Urban Freeway 2.5 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 2.5 Freeway

SCENARIO RECORD : Boyd Urban Principal Arterial 31.0 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 31.0 Arterial

SCENARIO RECORD : Boyd Urban Minor Arterial 28.0 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 28.0 Arterial

SCENARIO RECORD : Boyd Urban Collector 33.0 mph - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 33.0 Arterial

SCENARIO RECORD : Boyd Urban Local 12.9 mph Default - CY2002
DIESEL SULFUR : 323.00
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 12.9 Local

* Note that 12.9 mph is the default MOBILE6 average speed for Local and cannot be changed.

END OF RUN

APPENDIX E

Biogenic Emissions Inventory

TABLE 6-1
SUMMARY OF 2002 BIOGENIC EMISSIONS
KENTUCKY PORTION OF THE HUNTINGTON-ASHLAND, WV-KY, AREA

COUNTY	VOC EMISSIONS (tons/yr)	VOC EMISSIONS (tons/day)	NOx EMISSIONS (tons/yr)	NOx EMISSIONS (tons/day)
Boyd	5,126.57	33.01	37.93	0.15
Total Emissions	5,126.57	33.01	37.93	0.15

APPENDIX F

401 KAR 63:005 Open Burning

401 KAR 63:005. Open burning.

RELATES TO: KRS 149.400, 224.10-100, 224.20-100, 224.20-110, 224.20-120, 42 U.S.C. 7401-7671q

STATUTORY AUTHORITY: KRS 224.10-100, 224.20-110

NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100 requires the Environmental and Public Protection Cabinet to promulgate administrative regulations for the prevention, abatement, and control of air pollution. KRS 224.20-110 prohibits any person from directly or indirectly, emitting into or discharging into the air under the jurisdiction of the commonwealth, or causing, permitting, or allowing to be emitted or discharged into the air, any contaminants as provided for in subsection (1) of KRS 224.01-010 that shall cause or contribute to the pollution of the air of the commonwealth in contravention of any of the rules, administrative regulations, or orders of the cabinet. This administrative regulation establishes requirements for the control of open burning.

Section 1. Definitions.

(1) "Clean lumber" means wood or wood products that have been cut or shaped and includes wet, air-dried, and kiln-dried wood products and does not include commercial or industrial waste or wood products that have been painted, pigment-stained, or pressure-treated using any hazardous or toxic compounds.

(2) "Fire training" means the instruction of industrial, public and private firefighters conducted in accordance with safety standards and procedures as accepted by the Kentucky State Fire Marshal, the Kentucky Fire Commission or the National Wildfire Coordinating Group.

(3) "Garbage" means putrescible animal and vegetable matter accumulated in the course of ordinary day-to-day living.

(4) "Household rubbish" means waste material and trash normally accumulated by a family in a residence in the course of ordinary day-to-day living, except for garbage, cans, glass, plastic, or other potentially hazardous waste materials.

(5) "Land clearing" means clearing of land for agricultural, residential, industrial, or commercial development purposes, including the construction of roads.

(6) "Open burning" means the burning of any matter without a burn chamber approved by the Kentucky Division for Air Quality, or without a stack or chimney with control devices approved by the Kentucky Division for Air Quality.

(7) "Priority I Region" means a region classified as Priority I in 401 KAR 50:020, Appendix A.

(8) "Recognized agricultural, silvicultural, range, ecological, or wildlife management practices" means burning recognized by the Kentucky Department of Agriculture, the United States Department of Agriculture, the Kentucky Division of Forestry, the United States Forest Service, the Kentucky Department of Fish and Wildlife, the Kentucky State Nature Preserves Commission, or the United States Fish and Wildlife Service as necessary to promote cultivation of crops, range, and forest lands, weed and understory abatement and pest control and prevention.

(9) "Wood waste" means untreated wood and untreated wood products, including tree stumps (whole or chipped), felled trees, tree limbs (whole or chipped), bark, sawdust, chips, scraps, slabs, millings and shavings. Wood waste does not include:

(a) Yard waste;

(b) Construction, renovation, or demolition wastes; or

(c) Clean lumber.

(10) "Yard waste" means grass, grass clippings, bushes, shrubs, and clippings from bushes and shrubs, which come from residential, commercial, retail, institutional, or industrial sources as part of maintaining yards or other private or public lands. Yard waste does not include:

(a) Construction, renovation, and demolition wastes; or

(b) Clean lumber.

Section 2. Applicability. This administrative regulation shall apply to all open burning that is not subject to another administrative regulation in 401 KAR Chapters 50 to 65.

Section 3. Prohibition of Open Burning. Except as provided in Sections 4 and 5 of this administrative regulation, open burning shall be prohibited.

Section 4. Allowable Open Burning. Subject to the limitations contained in this section and the restrictions contained in Section 5 of this administrative regulation, open burning shall be allowed for:

(1) Fires set for the cooking of food for human consumption;

(2) Fires set for recreational or ceremonial purposes;

(3) Small fires set by construction and other workers for comfort heating purposes if:

(a) The ambient temperature is below fifty (50) degrees Fahrenheit;

(b) Excessive or unusual smoke is not created;

(c) Only clean lumber or vegetative matter is burned; and

(d) The fire is burned in a container not exceeding fifty-five (55) gallons in size;

(4) Fires set for the purpose of weed abatement, disease, and pest prevention;

(5) Fires set for prevention of a fire hazard, including the disposal of dangerous materials if no safe alternative is available;

(6) Fires set for the purpose of instruction and training of public and industrial employees in the methods of fighting fires as set forth in Section 6 of this administrative regulation;

(7) Fires set for recognized agricultural, silvicultural, range, ecological, and wildlife management practices;

(8) Fires set by individual homeowners for burning of leaves except in cities greater than 8,000 population located in a Priority I Region;

(9) Fires for disposal of household rubbish, which shall not include garbage, originating at dwellings of five (5) family units or less, if the fires are maintained by an occupant of the dwelling at the dwelling, except in cities greater than 8,000 population located in a Priority I Region;

(10) Fires set for the purpose of disposing of accidental spills or leaks of crude oil, petroleum products or other organic materials, and the disposal of absorbent material used in their removal, if no other economically feasible means of disposal is available and practical. Permission shall be obtained from the cabinet prior to burning;

(11) Fires set for disposal of natural growth for land clearing and maintenance, and trees and tree limbs felled by storms if no extraneous materials, such as tires or heavy oil which tend to produce dense smoke, are used to cause ignition or aid combustion and the burning is done on days when conditions do not pose a threat of igniting a forest fire. In regions classified Priority I, with respect to particulate matter pursuant to 401 KAR 50:020, Appendix A, the emissions from these fires shall not be equal to or greater than forty (40) percent opacity;

(12) Heating ropes that are set on fire to repair steel rails during cold weather; and

(13) Fires set by county or municipal governments to dispose of wood waste or clean lumber. This activity shall not be considered in violation of 401 KAR 47:030, Section 10.

Section 5. Restrictions to Open Burning. (1) For those counties, or portions of counties, which are, or were previously, designated moderate nonattainment for the one (1) hour ozone or nonattainment for the National Ambient Air Quality Standards (NAAQS) PM_{10} or those counties, or portions of counties, which are, or were designated nonattainment for the eight (8) hour ozone or $PM_{2.5}$ national ambient air quality standards, pursuant to 401 KAR 51:010, fires may be set in accordance with this administrative regulation except during the months of May, June, July, August, and September. During these months, the only open burning activities allowed shall be:

(a) Fires set for the cooking of food for human consumption;

(b) Fires set for prevention of a fire hazard, including disposal of dangerous materials if no safe alternative is available;

(c) Fires set for the purpose of bona fide instruction and training of public and industrial employees in the methods of fighting fires;

(d) Fires set for recognized agricultural, silvicultural, range, ecological, and wildlife management practices;

(e) Fires set for the purpose of disposing of accidental spills or leaks of crude oil, petroleum products or other organic materials, and the disposal of absorbent material used in their removal, if no other economically feasible means of disposal is available and practical. Permission shall be obtained from the cabinet prior to burning; and

(f) Fires set for recreational or ceremonial purposes.

(2) Open burning shall comply with the fire hazard season requirements of KRS 149.400.

(3) Open burning for land clearing purposes associated with residential, commercial, or industrial development shall be limited to a maximum of two (2)

contiguous acres at any one (1) time.

(4) This administrative regulation shall not authorize open burning that is prohibited by any local ordinance.

Section 6. Procedures for Fire Training. Burning conducted in conjunction with training for public, private and industrial firefighters shall be subject to the following criteria:

(1) Excluding fire training that has been approved by the Kentucky State Fire Marshal, or which has been certified by the Kentucky State Fire Commission, or which is conducted in accordance with standards adopted by the National Wildfire Coordinating Group, any entity intending to conduct fire training shall submit written notification to the local Division for Air Quality regional office a minimum of fifteen (15) days prior to the scheduled training. The written notification shall state the location and the date of the proposed fire training, the name and contact information for the on-site training coordinator, the number of firefighters to be trained, the goals and the objectives of the training, and a brief summary of what is to be taught.

(2) Any materials that contain asbestos shall not be burned.

(3) Materials likely to produce hazardous or toxic emissions shall be removed prior to the fire training burning event, to the extent practicable, and properly disposed.

(4) Excluding fire training approved by the Kentucky Division of Forestry or the Kentucky State Fire Marshal, or which has been certified by the Kentucky State Fire Commission, or which is conducted in accordance with standards adopted by the National Wildfire Coordinating Group, entities conducting fire training shall be limited to one burning event related to training per year for every ten firefighters under their supervision.

(5) Excluding fire training approved by the Kentucky Division of Forestry or the Kentucky State Fire Marshal, or which has been certified by the Kentucky State Fire Commission, or which is conducted in accordance with standards adopted by the National Wildfire Coordinating Group, between May 1 and September 30, fire training shall not be conducted in any counties, or portions of counties, which are, or were previously, designated moderate nonattainment for ozone, or designated, or previously designated, nonattainment for the eight (8) hour ozone or $PM_{2.5}$ (particulate matter) national ambient air quality standard, pursuant to 401 KAR 51:010. (WP-1; 1 Ky.R. 760; Am. 1381; eff. 7-2-75; 12 Ky.R. 504; eff. 12-10-85; 15 Ky.R. 282; 1005; 1257; eff. 10-26-88; 16 Ky.R. 599; 1191; eff. 1-9-90; 23 Ky.R. 1633; 2766; eff. 5-14-97; 31 Ky.R. 1354; 32 Ky.R. 63; eff. 7-13-05.)