

## **APPENDIX F**

### **MOBILE6.2 Sample Input Files**

# Summer Weekday M6Input File Settings

## Cecil County, 2009

### MOBILE6 INPUT FILE

REPORT FILE : m6output.out REPLACE  
DATABASE OUTPUT :  
WITH FIELDNAMES :  
EMISSIONS TABLE : M6OUTPUT.TB1 REPLACE  
POLLUTANTS : HC NOX  
AGGREGATED OUTPUT :  
RUN DATA : 0007

EXPRESS HC AS VOC :  
EXPAND EVAPORATIVE :  
EXPAND EXHAUST :  
NO REFUELING :  
94+ LDG IMP : NLEVNE.D  
REBUILD EFFECTS : 0.9  
REG DISTRIBUTION : Reg2005.Cec (**2005 Age Data**)  
FUEL PROGRAM : 4

150.0	149.0	129.0	120.0	120.0	90.0	30.0	30.0
30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
1000.0	1000.0	1000.0	1000.0	303.0	303.0	87.0	87.0
80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0

DIESEL FRACTIONS :

0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0011	0.0004	0.0022
0.0021	0.0027	0.0005	0.0016	0.0005	0.0006	0.0000	0.0010	0.0057	0.0013
0.0015	0.0000	0.0162	0.0105	0.0297					
0.0305	0.0305	0.0305	0.0305	0.0305	0.0195	0.0184	0.0115	0.0221	0.0204
0.0313	0.0169	0.0366	0.0246	0.0349	0.0125	0.0222	0.0201	0.0266	0.0266
0.0237	0.0202	0.0197	0.0792	0.0845					
0.0305	0.0305	0.0305	0.0305	0.0305	0.0195	0.0184	0.0115	0.0221	0.0204
0.0313	0.0169	0.0366	0.0246	0.0349	0.0125	0.0222	0.0201	0.0266	0.0266
0.0237	0.0202	0.0197	0.0792	0.0845					
0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126
0.0126	0.0126	0.0126	0.0126	0.0115	0.0111	0.0145	0.0115	0.0129	0.0096
0.0083	0.0072	0.0082	0.0124	0.0135					
0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126
0.0126	0.0126	0.0126	0.0126	0.0115	0.0111	0.0145	0.0115	0.0129	0.0096
0.0083	0.0072	0.0082	0.0124	0.0135					
0.1998	0.1998	0.1998	0.1998	0.1998	0.1998	0.1998	0.1998	0.1998	0.1998
0.1998	0.1998	0.1998	0.1998	0.2578	0.2515	0.3263	0.2784	0.2963	0.2384
0.2058	0.1756	0.1958	0.2726	0.2743					
0.6774	0.6774	0.6774	0.6774	0.6774	0.6774	0.6774	0.6774	0.6774	0.6774
0.6774	0.6774	0.6774	0.6774	0.7715	0.7910	0.8105	0.8068	0.8280	0.8477
0.7940	0.7488	0.7789	0.7842	0.6145					
0.8606	0.8606	0.8606	0.8606	0.8606	0.8606	0.8606	0.8606	0.8606	0.8606
0.8606	0.8606	0.8606	0.8606	0.8473	0.8048	0.8331	0.7901	0.7316	0.7275
0.7158	0.5647	0.3178	0.2207	0.1968					
0.4647	0.4647	0.4647	0.4647	0.4647	0.4647	0.4647	0.4647	0.4647	0.4647
0.4647	0.4647	0.4647	0.4647	0.4384	0.3670	0.4125	0.3462	0.2771	0.2730
0.2616	0.1543	0.0615	0.0383	0.0333					
0.6300	0.6300	0.6300	0.6300	0.6300	0.6300	0.6300	0.6300	0.6300	0.6300

0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617  
 0.4537 0.4216 0.4734 0.4705 0.4525  
 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563  
 0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177  
 0.7440 0.7184 0.7588 0.7567 0.7431  
 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992  
 0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982  
 0.9979 0.9969 0.9978 0.9980 0.9979  
 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
 1.0000 1.0000 1.0000 1.0000 1.0000  
 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585  
 0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760  
 0.7710 0.7502 0.7345 0.6733 0.5155  
 OXYGENATED FUELS : 0.000 1.000 0.000 0.037 1  
 ANTI-TAMP PROGRAM : 89 77 83 22222 22222111 1 12 96. 12211112  
 I/M DESC FILE : MD\_IM09.D (2009 I/M Program)

SCENARIO RECORD : [01 0007] 1

CALENDAR YEAR : 2009  
 EVALUATION MONTH : 7  
 SEASON : 1  
 FUEL RVP : 6.8  
 HOURLY TEMPERATURES:  
 76.24 78.51 80.13 81.28 81.72 82.23 82.32 81.96 81.49 80.80 80.71 79.56 77.90  
 76.39 75.12 74.43 74.08 74.07 73.59 73.44 73.09 72.67 72.54 74.12  
 RELATIVE HUMIDITY :  
 87.34 81.90 77.17 74.69 74.53 73.67 72.83 73.10 74.00 73.87 74.10 76.87 80.27  
 84.67 87.63 88.90 90.41 91.00 91.38 92.62 91.73 92.30 92.33 91.77  
 BAROMETRIC PRES : 29.99  
 VMT FRACTIONS :  
 0.304329 0.072063 0.239945 0.073946 0.033967 0.086968 0.008543  
 0.007141 0.005369 0.019415 0.023038 0.025048 0.088979 0.004408  
 0.002204 0.004637

*(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)*

VMT BY FACILITY : V000701F.def  
 VMT BY HOUR : V000701H.def  
 SPEED VMT : V000701S.def

*(Scenarios Repeated for each Area, Functional Class Combination)*

## Cecil County 2005 Vehicle Age Distributions Input to MOBILE6.2

1	0.0427	0.0632	0.0688	0.0792	0.0756	0.0787	0.0681	0.0626	0.0608	0.0530
	0.0555	0.0447	0.0374	0.0290	0.0253	0.0221	0.0192	0.0133	0.0106	0.0082
	0.0058	0.0041	0.0021	0.0017	0.0682					
2	0.0713	0.1116	0.1015	0.1011	0.0800	0.0867	0.0776	0.0626	0.0566	0.0494
	0.0449	0.0365	0.0250	0.0176	0.0152	0.0133	0.0128	0.0100	0.0077	0.0051
	0.0036	0.0030	0.0018	0.0009	0.0041					
3	0.0713	0.1116	0.1015	0.1011	0.0800	0.0867	0.0776	0.0626	0.0566	0.0494
	0.0449	0.0365	0.0250	0.0176	0.0152	0.0133	0.0128	0.0100	0.0077	0.0051
	0.0036	0.0030	0.0018	0.0009	0.0041					
4	0.0489	0.0885	0.0813	0.0760	0.0698	0.0651	0.0586	0.0541	0.0588	0.0469
	0.0514	0.0496	0.0339	0.0302	0.0246	0.0287	0.0303	0.0273	0.0210	0.0176
	0.0109	0.0079	0.0042	0.0027	0.0117					
5	0.0489	0.0885	0.0813	0.0760	0.0698	0.0651	0.0586	0.0541	0.0588	0.0469
	0.0514	0.0496	0.0339	0.0302	0.0246	0.0287	0.0303	0.0273	0.0210	0.0176
	0.0109	0.0079	0.0042	0.0027	0.0117					
6	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
7	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
8	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
9	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
10	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
11	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
12	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
13	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
14	0.0747	0.0856	0.0749	0.0630	0.0669	0.0766	0.0757	0.0443	0.0570	0.0458
	0.0604	0.0313	0.0220	0.0176	0.0196	0.0205	0.0264	0.0278	0.0188	0.0215
	0.0136	0.0115	0.0038	0.0047	0.0363					
15	0.0545	0.0602	0.0679	0.0554	0.0564	0.0727	0.0956	0.0516	0.0755	0.0488
	0.0669	0.0306	0.0220	0.0201	0.0201	0.0296	0.0268	0.0287	0.0239	0.0249
	0.0153	0.0153	0.0048	0.0048	0.0277					
16	0.0778	0.0955	0.1110	0.0828	0.0677	0.0598	0.0430	0.0376	0.0262	0.0281
	0.0278	0.3427	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000					

## Cecil County 2009 Inspection Maintenance Program Input to MOBILE6.2

### \*Idle older LDGV, LDGT

I/M PROGRAM : 1 1984 2050 2 T/O Idle  
I/M MODEL YEARS : 1 1977 1983  
I/M VEHICLES : 1 22222 1111111 1  
I/M STRINGENCY : 1 20.0  
I/M COMPLIANCE : 1 96.0  
I/M WAIVER RATES : 1 13.8 13.8  
I/M GRACE PERIOD : 1 2

### \*Idle HDGT

I/M PROGRAM : 2 1984 2050 2 T/O Idle  
I/M MODEL YEARS : 2 1977 2050  
I/M VEHICLES : 2 11111 22222111 1  
I/M STRINGENCY : 2 20.0  
I/M COMPLIANCE : 2 96.0  
I/M WAIVER RATES : 2 13.8 13.8  
I/M GRACE PERIOD : 2 2

### \*IM240

I/M PROGRAM : 3 1984 2050 2 T/O IM240  
I/M MODEL YEARS : 3 1984 1995  
I/M VEHICLES : 3 22222 1111111 1  
I/M STRINGENCY : 3 20.0  
I/M COMPLIANCE : 3 96.0  
I/M WAIVER RATES : 3 13.8 13.8  
I/M CUTPOINTS : 3 Mod75V2.C09  
I/M GRACE PERIOD : 3 2

### \*OBD

I/M PROGRAM : 4 1984 2050 2 T/O OBD I/M  
I/M MODEL YEARS : 4 1996 2050  
I/M VEHICLES : 4 22222 1111111 1  
I/M STRINGENCY : 4 20.0  
I/M COMPLIANCE : 4 96.0  
I/M WAIVER RATES : 4 5.4 5.4  
I/M GRACE PERIOD : 4 2

### \*OBD Evap (Actual Start Year: July 2002)

I/M PROGRAM : 5 2002 2050 2 T/O EVAP OBD  
I/M MODEL YEARS : 5 1996 2050  
I/M VEHICLES : 5 22222 1111111 1  
I/M COMPLIANCE : 5 96.0  
I/M WAIVER RATES : 5 5.4 5.4  
I/M GRACE PERIOD : 5 2