

## **APPENDIX F**

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

# Summer Weekday M6Input File Settings

## Baltimore Region, 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 : 0002

EXPRESS HC AS VOC :  
EXPAND EVAPORATIVE :  
EXPAND EXHAUST :  
NO REFUELING :  
94+ LDG IMP : NLEVNE.D  
REBUILD EFFECTS : 0.9  
REG DISTRIBUTION : Reg2005R.bal (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 :

0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0007	0.0013
0.0017	0.0014	0.0014	0.0018	0.0014	0.0003	0.0017	0.0018	0.0035	0.0018	
0.0014	0.0011	0.0174	0.0091	0.0496						
0.0085	0.0085	0.0085	0.0085	0.0085	0.0080	0.0077	0.0048	0.0067	0.0106	
0.0157	0.0055	0.0187	0.0181	0.0166	0.0124	0.0176	0.0192	0.0224	0.0238	
0.0314	0.0262	0.0338	0.0689	0.0832						
0.0085	0.0085	0.0085	0.0085	0.0085	0.0080	0.0077	0.0048	0.0067	0.0106	
0.0157	0.0055	0.0187	0.0181	0.0166	0.0124	0.0176	0.0192	0.0224	0.0238	
0.0314	0.0262	0.0338	0.0689	0.0832						
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	0.0126	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	0.0126	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	0.1998	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	0.6774	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	0.8606	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	0.4647	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 0.6300 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 0002] 1

CALENDAR YEAR : 2009  
 EVALUATION MONTH : 7  
 SEASON : 1  
 FUEL RVP : 6.8  
 HOURLY TEMPERATURES:  
 74.61 77.35 79.61 81.20 82.68 83.79 84.33 84.91 85.04 84.88 83.93 82.40  
 80.11 77.98 76.67 75.58 74.51 73.78 72.87 71.93 71.36 71.22 70.81 71.81  
 RELATIVE HUMIDITY :  
 81.00 74.48 68.58 63.65 61.00 58.42 58.00 56.58 56.84 56.74 58.77 62.81  
 68.13 73.26 76.16 77.94 80.77 81.90 84.61 85.90 87.06 87.90 88.35 87.10  
 BAROMETRIC PRES : 29.83  
 VMT FRACTIONS :  
 0.359277 0.085074 0.283265 0.087296 0.040100 0.043904 0.004313  
 0.003606 0.002710 0.009801 0.011631 0.012645 0.044919 0.005637  
 0.002818 0.003004

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

VMT BY FACILITY : V000201F.def  
 VMT BY HOUR : V000201H.def  
 SPEED VMT : V000201S.def

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

## Baltimore Region 2005 Vehicle Age Distributions Input to MOBILE6.2

1	0.0664	0.0750	0.0796	0.0833	0.0797	0.0830	0.0705	0.0632	0.0603	0.0510
	0.0524	0.0415	0.0341	0.0278	0.0224	0.0196	0.0153	0.0117	0.0095	0.0069
	0.0048	0.0035	0.0020	0.0012	0.0353					
2	0.0847	0.1206	0.1078	0.1055	0.0866	0.0908	0.0756	0.0642	0.0557	0.0450
	0.0401	0.0306	0.0215	0.0149	0.0114	0.0098	0.0094	0.0076	0.0056	0.0036
	0.0027	0.0019	0.0010	0.0006	0.0029					
3	0.0847	0.1206	0.1078	0.1055	0.0866	0.0908	0.0756	0.0642	0.0557	0.0450
	0.0401	0.0306	0.0215	0.0149	0.0114	0.0098	0.0094	0.0076	0.0056	0.0036
	0.0027	0.0019	0.0010	0.0006	0.0029					
4	0.0496	0.0852	0.0859	0.0795	0.0758	0.0743	0.0624	0.0545	0.0572	0.0455
	0.0487	0.0474	0.0304	0.0251	0.0226	0.0243	0.0260	0.0242	0.0200	0.0187
	0.0106	0.0083	0.0049	0.0034	0.0155					
5	0.0496	0.0852	0.0859	0.0795	0.0758	0.0743	0.0624	0.0545	0.0572	0.0455
	0.0487	0.0474	0.0304	0.0251	0.0226	0.0243	0.0260	0.0242	0.0200	0.0187
	0.0106	0.0083	0.0049	0.0034	0.0155					
6	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
7	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
8	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
9	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
10	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
11	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
12	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
13	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
14	0.0879	0.0989	0.0746	0.0657	0.0712	0.0869	0.0789	0.0441	0.0585	0.0375
	0.0530	0.0290	0.0209	0.0167	0.0171	0.0224	0.0243	0.0223	0.0190	0.0157
	0.0118	0.0079	0.0052	0.0045	0.0260					
15	0.0685	0.0755	0.0593	0.0420	0.0563	0.0850	0.0915	0.0471	0.0643	0.0468
	0.0692	0.0344	0.0284	0.0236	0.0241	0.0276	0.0313	0.0269	0.0256	0.0201
	0.0152	0.0084	0.0064	0.0060	0.0165					
16	0.0810	0.1004	0.1217	0.0886	0.0778	0.0635	0.0503	0.0348	0.0301	0.0311
	0.0246	0.2962	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					

## Baltimore Region 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 11111111 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 11111111 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 11111111 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 11111111 1  
I/M COMPLIANCE : 5 96.0  
I/M WAIVER RATES : 5 5.4 5.4  
I/M GRACE PERIOD : 5 2