

APPENDIX F

MOBILE6.2 Input Parameter Summary

Table 1: General Parameters and Options

Input parameter	Summer Wkd
Output Pollutants	VOC, NOX
Analysis Day	Avg Weekday (Jun, Jul, Aug)
Counties	Anne Arundel, Baltimore, Carroll, Harford, Howard, Baltimore City
Traffic Data	
SHA Universal Highway Database	2005
Source Data Year	
HPMS VMT Adjustment Year	2005
SHA Seasonal Factor Data	2005
SHA Hourly Pattern Data	2005
MOBILE6 Defaults Used to Disaggregate Auto, Truck, Bus, MC Vehicle Mix Categories	2005
Traffic Volume Forecasted Growth	Extrapolated growth based on 1990-2005 HPMS VMT
M6 Parameters	
Emissions Calendar Year	2009
Evaluation Month	7 (July)
Season	1 - Summer
CAAA Standards	Enabled
Tier2 Standards	Enabled
2007 HDDV Rule	Enabled
North-East NLEV	Included
Refueling Emissions	Not Included
Registration Data	2005 from MDE
Diesel Sales Fractions	2005 from MDE
VMT by Hour	2005 Local Data (varies by cty, fc)
VMT by Facility	Each facility run as separate scenario
VMT by Speed	Calculated by PPSUITE

Table 2: Inspection/Maintenance Program Input Parameters

MOBILE6 I/M Test Types:	2009				
I/M Program	EVAP OBD & GC	OBD I/M	IM240*	IDLE	IDLE
Program Start Year	2002	1984	1984	1984	1984
I/M Stringency		20.0	20.0	20.0	20.0
I/M Model Years					
<i>First Year</i>	1996	1996	1984	1977	1977
<i>Last Year</i>	2050	2050	1995	2050	1983
I/M Waiver Rates					
Pre-81 Model Years	5.4%	5.4%	13.8%	13.8%	13.8%
Post-81 Model Years	5.4%	5.4%	13.8%	13.8%	13.8%
I/M Compliance	96.0%	96.0%	96.0%	96.0%	96.0%
Program Type: Test Only (T/O) Test & Repair computerized (TRC) Test & Repair Manual (TRM)	T/O	T/O	T/O	T/O	T/O
Inspection Frequency Annual / Biennial	2	2	2	2	2
I/M Vehicles 1 = I/M Benefits not calculated 2 = I/M Benefits calculated					
LDGV	2	2	2	1	2
LDGT1	2	2	2	1	2
LDGT2	2	2	2	1	2
LDGT3	2	2	2	1	2
LDGT4	2	2	2	1	2
HDGV2B	1	1	1	2	1
HDGV3	1	1	1	2	1
HDGV4	1	1	1	2	1
HDGV5	1	1	1	2	1
HDGV6	1	1	1	2	1
HDGV7	1	1	1	1	1
HDGV8A	1	1	1	1	1
HDGV8B	1	1	1	1	1
GAS BUS	1	1	1	1	1
I/M Grace Period	2	2	2	2	2

* Uses 75% Cutpoints for 2009 and varies by year.

Table 3: Anti-Tampering Program Input Parameters

ATP Parameters	Baltimore Counties
Program Start Year	89
I/M Model Years	
First Year	77
Last Year	83
I/M Vehicles	
1 = I/M Benefits not calculated	
2 = I/M Benefits calculated	
LDGV	2
LDGT1	2
LDGT2	2
LDGT3	2
LDGT4	2
HDGV2B	2
HDGV3	2
HDGV4	2
HDGV5	2
HDGV6	2
HDGV7	1
HDGV8A	1
HDGV8B	1
GAS BUS	1
Inspection Frequency:	
Annual	2
Biennial	
I/M Compliance	96.0%
Inspections Performed:	
1 = Not Performed	
2 = Performed	
Air Pump System	1
Catalyst Removal	2
Fuel Inlet Restrictor	2
Tailpipe Lead Deposit Test	1
EGR System	1
Evaporative Control System	1
PCV System	1
Gas Cap	2