MOBILE6 Input Parameters for Berks County

Table 1a: Summary of Traffic Data Used for VMT/Speed Estimates

Input Parameter	1992	2004	2007
PENNDOT Roadway Management System (RMS) Source Data Year	1990	2002	2002
HPMS VMT Adjustment Year	1990	2002	2002
PENNDOT Seasonal Factor Data	1990	2002	2002
PENNDOT Hourly Pattern Data	1990	2001 (2002 Not Available)	2001 (2002 Not Available)
PENNDOT RMS Truck Percentages Used for Vehicle Mixes	1990	2002	2002
MOBILE6 Defaults Used to Disaggregate Auto and Truck Vehicle Mix Categories	1992	2004	2007
Traffic Volume Growth Based on historic PENNDOT Global Update Factors	Based on Yearly Factors from 1990-1992	Based on Extrapolation of Yearly Factors from 1996-2002	Based on Extrapolation of Yearly Factors from 1996-2002

Table 1b: Summary of MOBILE6 Input Parameters

Input Parameter	1992	2004	2007
Emissions Calendar Year	1992	2004	2007
Evaluation Month	July	July	July
CAAA Standards	Enabled	Enabled	Enabled
Tier2 Standards	Enabled	Enabled	Enabled
NLEV Vehicles	No Impact	Northeast NLEV phase in schedule (NLEVNE.D)	Northeast NLEV phase in schedule (NLEVNE.D)
Refueling Emissions	Not Included	Not Included	Not Included
I/M Programs	No IM	OBD II	OBD II
Gas Cap Check	None	Included	Included
ATP Programs	None	7-Inspections	7-Inspections
Reformulated Gasoline (RFG)	None	None	None
Reid Vapor Pressure (RVP)	8.4	8.7	8.7
Min/Max Temperatures	68.8/94.4	68.8/94.4	68.8/94.4
Absolute Humidity	75.0	75.0	75.0
Cloud Cover	0% - Default	0% - Default	0% - Default
Altitude	Low	Low	Low
Peak Sun	10am – 4 pm (Default)	10am – 4 pm (Default)	10am – 4 pm (Default)
Registration Data	90 Local Data + National Truck	02 Local Data + National Truck	02 Local Data + National Truck
Diesel Sales Fractions	National Default	National Default	National Default
VMT By Facility	Each facility run as separate scenario	Each facility run as separate scenario	Each facility run as separate scenario
VMT by Speed	Calculated by PPSUITE (version 5.07)	Calculated by PPSUITE (version 5.07)	Calculated by PPSUITE (version 5.07)

All other input parameter options use national defaults.

Table 1c: 2004 & 2007 Inspection/Maintenance Program Input Parameters

MOBILE6 I/M Test Types:	OBD I/M	Evap OBD & GC	GC
Program Start Year	04	04	04
Stringency Level	20		
First Model Year	96	96	75
Last Model Year	50	50	95
Waiver Rate Pre–81 Vehicles (%)	3	3	3
Waiver Rate, Post–81 Vehicles (%)	3	3	3
Compliance Rate (%)	96	96	96
Program Type 1 = Test Only 2 = Test & Repair	2	2	2
Inspection Frequency 1 = Annual 2 = Biennial	1	1	1
Vehicle Types Subject to Inspection			
LDGV	2	2	2
LDGT1	2	2	2
LDGT2	2	2	2
LDGT3	2	2	2
LDGT4	2	2	2
HDGV2B	1	1	1
HDGV3	1	1	1
HDGV4	1	1	1
HDGV5	1	1	1
HDGV6	1	1	1
HDGV7	1	1	1
HDGV8A	1	1	1
HDGV8B	1	1	1
GAS BUS	1	1	1

Table 1d: 2004 & 2007 Anti-Tampering Program Input Parameters

ATP Parameters	
ATP Input Record	Included
Program Start Year	04
First Model Year	75
Last Model Year	95
Vehicle Types Subject to Inspection: (1 = No, 2 = Yes)	
LDGV	2
LDGT1	2
LDGT2	2
LDGT3	2
LDGT4	2
HDGV2B	1
HDGV3	1
HDGV4	1
HDGV5	1
HDGV6	1
HDGV7	1
HDGV8A	1
HDGV8B	1
GAS BUS	1
Inspection Frequency: (1 = Annual, 2 = Biennial)	1
Compliance Rate (%)	96
Inspections Performed:	
Air Pump System	2
Catalyst Removal	2
Fuel Inlet Restrictor	2
Tailpipe Lead Deposit Test	1
EGR System	2
Evaporative Control System	2
PCV System	2
Gas Cap	2