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SUMMARY VMT, VOC, and NOx INVENTORY
FOR HIGHWAY VEHICLES BY COUNTY
(Includes Effects of Tier 2)

Scenario				*Uncontroled Baseline*		*Adjusted Baseline*		*Control Strategy*	
County	1990 VMT	VMT	Total Growth	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	NOx (tons/day)
	Ave. Speed	*Ave. Speed*	*(from 1990)*					***% Reduction*** *(from 2005 Adj. Base)*	
2005									
Bucks	12,850,048	15,892,353	1.24	38.45	33.09	27.04	27.16	12.22	16.09
	26.4	22.0						-54.8%	-40.7%
Chester	10,147,864	14,204,360	1.40	25.64	28.95	17.02	21.54	8.55	14.11
	33.8	29.9						-49.7%	-34.5%
Delaware	8,279,044	10,928,827	1.32	25.62	20.17	18.25	15.91	8.16	9.55
	23.7	21.6						-55.3%	-40.0%
Montgomery	16,839,969	20,932,278	1.24	43.54	39.84	33.28	33.53	14.10	19.01
	26.8	24.7						-57.6%	-43.3%
Philadelphia	16,485,464	17,754,508	1.08	53.69	38.17	47.49	36.14	17.15	18.70
	20.7	19.6						-63.9%	-48.3%
Area Total	64,602,389	79,712,326	1.23	186.94	160.22	143.08	134.29	60.18	77.46
	25.2	23.0						-57.9%	-42.3%

*Includes Phase II RFG NOx Credit and Tier2.
3/28/01

PA97 W/ ASM I/M Program Modeling Parmeters

Philadelphia 5-County Area MOBILE Input Parameters

TABLE 1a.

	2005 Uncontrolled Baseline	2005 Adjusted Baseline	2005 Control Strategy
CONTROL FLAGS			
TAMFLG 1= Use Default, 2= Input	1	1	1
SPDFLG 1= One speed All Vehicle Types	1	1	1
VMFLAG 1= Use Default, 2= One mix for Each scenario	2	2	2
MYRMRFG 1= Use Default, 3= Input Registration Data	3	3	3
NEWFLG 1= Use Default BER's, 2= Input Alternative BER's 5= Disable CAAA BER's	5	5	2
IMFLAG 1= No I/M, 2= One I/M, 3=Two I/M / 1= No TTC credits, 2= 100% TTC credits	2 / 1	2 / 1	3 / 2
ALHFLG 1= No Emission Factor Adjustments	1	1	1
ATPFLG 1= No ATP, 2= ATP, 5= ATP and Pressure 8= ATP, Pressure, and Purge	1	1	8[1]
RLFLAG 1= Uncontrolled Refueling, 5= Not modelled in mobile sources	5	5	5
TEMFLG 1= Weighted Temps	1	1	1
NMHFLG 3= VOC's	3	3	3

[1] PA97 - gas cap pressure for 1975 & newer model years (40% credit of EPA Pressure).
PA97 w/ASM - 1975-81 receive a gas cap pressure test.
PA97 w/ASM - 1981 & newer receive the full EPA Pressure test.

Philadelphia 5-County Area MOBILE Input Parameters

TABLE 1b.

	2005 Uncontrolled Baseline	2005 Adjusted Baseline	2005 Control Strategy	
ONE-TIME DATA:				
Registration Distribution Records (* Varies by County, using 1993 Registration Data)	*	*	*	*
Alternate BER Record: (* Alternative BER's are entered in the Control Strategy to account for the 2004 HDDE NOx Standard.)	None	None	*	*
			I/M Record	
I/M Descriptive Records:	#1	#1	#1	#2
Program Start Year	84	84	84	84
Stringency Level	17.8	17.8	20	20
First Model Year	68	68	75	81
Last Model Year	20	20	20	20
Waiver Rate PRE- 81 Vehs (%)	2.0	2.0	3.0	3.0
Waiver Rate, Post- 81 Vehs (%)	1.1	1.1	3.0	3.0
Compliance Rate (%)	94	94	96	96
Program Type [1] 1= Test Only 2= Test & Repair (Computerized)	2	2	1	1
Inspection Frequency 1= Annual, 2= Biennial	1	1	1	1
Veh. Types Subject to Inspection (1= No, 2= Yes)				
LDGV	2	2	2	2
LDGT1	2	2	2	2
LDGT2	2	2	2	2
HDGV	1	1	1	1
Test Type 1= Idle, 2= 2 Speed Idle (2500/idle) 3= ASM, 4= IM240	1	1	1	3
Non-Default Cut Points (1= No, 2= Yes)	2	2	2	2
Alt. I/M Credit Flags(1= Use Default, 2= Input)				
File 1	1	1	1	1
File 2	1	1	1	1
Cutpoint for HC	220.00	220.00	220.00	50.00
Cutpoint for CO	1.20	1.20	1.20	15.00
Cutpoint for NOX	999.00	999.00	999.00	1.00

[1] PA97 ASM Test & Repair I/M Program is modeled as test only to claim 100% effectiveness.

Philadelphia 5-County Area MOBILE Input Parameters

TABLE 1c.

	2005 Uncontrolled Baseline	2005 Adjusted Baseline	2005 Control Strategy
ONE TIME DATA (Cont'd):			
ATP Descriptive Record:	None	None	
Program Start Year			98
First model Year			75
Last Model Year			20
Veh. Types Subject to Inspection (1= No, 2= Yes)			
LDGV			2
LDGT1			2
LDGT2			2
HDGV			1
Program Type (1= Test Only, 2= Test and Repair)[1]			1
Inspection Frequency (1=Annual, 2= Biennial)			1
Compliance Rate (%)			96
Inspections Performed (1= No, 2= Yes)			
Air Pump System			2
Catalyst			2
Fuel Inlet Restrictor			2
Tailpipe Lead Deposit Test			1
EGR System			2
Evaporative Emission Control System			2
PCV System			2
Gas Cap			2
Functional Pressure Test Record:	None	None	
Start Year			98
First Model Year[2]			75 / 81
Last Model Year			20
Veh. Types Subject to Inspection (1= No, 2= Yes)			
LDGV			2
LDGT1			2
LDGT2			2
HDGV			1
Program Type (1= Test only, 2= Test and repair)			1
Inspection Frequency (1= Annual, 2= Biennial)			1
Compliance Rate (%)			96

[1] PA97 ASM Test & Repair I/M Program is modeled as test only to claim 100% effectiveness.

[2] PA97 - Gas cap pressure for 1975 & newer model years (40% credit of EPA Pressure).
PA97 w/ASM - 1975-81 receive gas cap pressure tests.
PA97 w/ASM - 1981 & newer model years receive the full EPA pressure test.

Philadelphia 5-County MOBILE Input Parameters

TABLE 1d.

	2005 Uncontrolled Baseline	2005 Adjusted Baseline	2005 Control Strategy
ONE-TIME DATA (Cont'd):			
Functional Purge Test Recod:	None	None	
Start Year			98
First Model Year			81
Last Model Year			20
Veh. Types Subject to Inspection (1=No, 2= Yes)			
LDGV			2
LDGT1			2
LDGT2			2
HDGV			1
Program Type (1= Test only, 2= Test and repair)[1]			1
Inspection Frequency (1= Annual, 2= Biennial)			1
Compliance Rate (%)			96
Stage II & Onboard VRS Records:	None	None	None

[1] PA97 ASM Test & Repair I/M Program is modeled as test only to claim 100% effectiveness.

Philadelphia 5-County MOBILE Input Parameters

TABLE 1e.

	2005 Uncontrolled Baseline	2005 Adjusted Baseline	2005 Control Strategy
SCENARIO DATA:			
Scenario Record:			
Region	1	1	4
(1= Low Altitude, 4= Low Altitude w/ LEV Program)			
Calendar Year	05	05	05
Average Speed	*	*	*
(* Varies; Calculated from Network by PPAQ)			
Ambient Temperature	*	*	*
(* Varies by Temperature and Time of Day)			
Operating Mode Fractions			
Non-Catalyst, Cold Start	20.6	20.6	20.6
Catalyst, Hot Start	27.3	27.3	27.3
Catalyst, Cold Start	20.6	20.6	20.6
Month of Evaluation	7	7	7
NLEV Program Parameter Record:	None	None	
Start Year			99
I/M Program (1= Standard or No I/M Program; 2= "Maximum Benefit" I/M Program)			1
LDGT2 LEV Program (1= No NLEV program for LDGT2; 2 = NLEV Program for LDGT2)			1
Local Area Parameter Record:			
Scenario Name (* Generated by PPAQ)	*	*	*
Fuel Volatility Class	C	C	C
Minimum Daily Temperature	*	*	*
Maximum Daily Temperature	*	*	*
(* Varies by County and Time of Day; See attached memo for handling of diurnal emissions by time of day)			
Period 1 RVP (psi) (* Varies by County)	9.0	9.0	8.7
Period 2 RVP (psi) (* Varies by County)	9.0	9.0	8.7
Period 2 Start Year	20	20	20
Oxygenated Fuel Flag (1= No, 2= Yes)	1	1	1
Diesel Sales Fraction Flag (1= No, 2= Yes)	1	1	1
Reformulated Gasoline Flag (1= No, 2= Yes)	1	1	2
Oxygenated Fuels Record:	None	None	None
Diesel Sales Fractions Record:	None	None	None
VMT Mix by Vehicle Type			
(* Varies; Calculated from Network by PPAQ)	*	*	*
Additional Correction Factor Record:	None	None	None

Control Strategy Emissions Component Breakdown

Philadelphia 5-County Area
Control Strategy Component Breakout

2005 Credit Breakout

Scenario	Bucks County				Chester County				Delaware County			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2005												
Uncontrolled Baseline	38.45		33.09		25.64		28.95		25.62		20.17	
PA97 ASM5015		-13.62		-6.98		-8.68		-5.60		-8.57		-4.09
RFG		-7.51		-1.53		-4.66		-1.35		-5.20		-0.95
FMVCP		-4.19		-5.68		-3.01		-5.28		-3.02		-3.65
NLEV		-0.59		-0.95		-0.45		-0.93		-0.46		-0.66
HDDE Standard		0.00		-0.08		0.00		-0.08		0.00		-0.05
Tier 2		-0.31		-1.79		-0.29		-1.60		-0.21		-1.22
Control Strategy	12.22	-26.23	16.09	-17.00	8.55	-17.09	14.11	-14.85	8.16	-17.46	9.55	-10.62

Scenario	Montgomery County				Philadelphia County				Philadelphia 5-County Total			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2005												
Uncontrolled Baseline	43.54		39.84		53.69		38.17		186.94		160.22	
PA97 ASM5015		-14.41		-7.79		-20.11		-9.43		-65.38		-33.89
RFG		-8.59		-1.91		-10.62		-1.71		-36.59		-7.45
FMVCP		-5.24		-7.36		-4.89		-5.39		-20.35		-27.36
NLEV		-0.79		-1.32		-0.56		-0.85		-2.85		-4.71
HDDE Standard		0.00		-0.10		0.00		-0.09		0.00		-0.38
Tier 2		-0.41		-2.35		-0.35		-2.00		-1.58		-8.96
Control Strategy	14.10	-29.44	19.01	-20.82	17.15	-36.54	18.70	-19.47	60.18	-126.76	77.46	-82.76

VMT, VOC, CO and NOx Inventory and Forecast Emissions by County by Functional Class

VMT, VOC, and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
Bucks County									
Rural									
2 Other Prin. Art	1,408,681	1,733,864	1 23	1,892	1,559	727	3,730	3,138	2,188
	57 1	55.6				-53.4%			-30.3%
6 Minor Arterial	483,037	594,549	1 23	672	538	247	1,036	850	604
	48 4	47.7				-54.1%			-29.0%
7 Major Collector	397,438	512,074	1 29	717	544	256	860	668	497
	38 4	37.4				-53.0%			-25.7%
8 Minor Collector	482,045	621,066	1 29	930	682	327	1,043	814	606
	37 1	34 7				-52.0%			-25.5%
9 Local	807,329	1,040,176	1 29	1,993	1,459	689	1,725	1,347	1,008
	27 5	25 7				-52.8%			-25.2%
Subtotal (kg)	3,578,530	4,501,729	1 26	6,204	4,782	2,246	8,394	6,817	4,903
(tons)	41.0	38 9		6.84	5.27	2.48	9.25	7 51	5.40
						-53.0%			-28.1%
Small Urban									
12 Other Fwy/Ex	8,797	10,418	1.18	13	11	5	27	23	15
	65.0	65.0				-52.8%			-31.8%
14 Prin. Arterial	200,079	246,267	1.23	267	220	102	518	435	299
	57 1	55 8				-53.6%			-31.1%
16 Minor Arterial	10,764	13,246	1.23	22	17	7	21	17	12
	31 1	30 9				-57 1%			-30.2%
17 Collector	32,617	42,025	1 29	80	61	27	69	53	40
	26 2	25 9				-55 1%			-25.8%
19 Local	77,687	100,069	1 29	203	157	70	160	124	92
	23 6	23 6				-55 7%			-25.6%
Subtotal (kg)	329,944	412,025	1.25	584	467	212	795	652	459
(tons)	38 7	37.9		0 64	0 51	0.23	0 88	0 72	0.51
						-54.6%			-29 6%
Urban									
11 Interstate	1,884,145	2,231,388	1 18	2,623	2,298	1,032	5,519	4,918	3,271
	63 1	60 5				-55.1%			-33.5%
12 Other Fwy/Ex	764,982	905,970	1 18	1,100	931	435	2,322	1,971	1,362
	63 9	63 7				-53 3%			-30 9%
14 Prin Arterial	3,104,337	3,820,914	1 23	7,640	5,713	2,616	6,185	5,058	3,576
	26 9	24 3				-54 2%			-29 3%
16 Minor Arterial	1,515,715	1,865,584	1 23	4,616	3,519	1,530	2,961	2,401	1,715
	20 1	19 0				-56.5%			-28.6%
17 Collector	822,383	1,059,580	1 29	6,215	3,206	1,668	1,917	1,388	1,122
	11.3	7 2				-48.0%			-19.2%
19 Local	850,012	1,095,163	1.29	5,899	3,613	1,632	1,926	1,431	1,117
	9 9	7 6				-54.8%			-21.9%
Subtotal (kg)	8,941,574	10,978,599	1 23	28,092	19,281	8,913	20,830	17,167	12,163
(tons)	22.8	18 4		30.97	21 25	9.82	22.96	18.92	13.41
						-53.8%			-29.1%
Bucks County									
Totals (kg)	12,850,048	15,892,353	1.24	34,880	24,531	11,371	30,019	24,636	17,525
(tons)	26 4	22.0		38.45	27.04	12.53	33.09	27.16	19.32
						-53.6%			-28.9%
								w/ Phase II NOx Credit	17.88
									-34.2%
					w/ Tier 2 Credit	12.22		w/ Tier 2 Credit	16.09
						-54.8%			-40.8%
Chester County									
Rural									
1 Interstates	926,736	1,235,734	1 33	1,482	1,113	594	3,369	2,530	2,050
	65 0	64 9				-46 6%			-19.0%
2 Other Prin. Art	1,462,882	2,017,628	1 38	2,117	1,531	806	3,919	3,076	2,311
	55 9	52.7				-47 3%			-24 9%

*Totals includes Phase II NOx and Tier2 Credits
3/28/01

VMT, VOC, and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
6 Minor Arterial	679,547	937,261	1.38	1,029	723	380	1,556	1,138	904
	48.2	46.6				-47.5%			-20.5%
7 Major Collector	856,201	1,272,600	1 49	1,687	1,101	601	2,041	1,377	1,178
	38 9	37.7				-45.4%			-14 5%
8 Minor Collector	337,552	501,709	1.49	648	431	233	822	553	478
	39.4	39.0				-45.9%			-13.6%
9 Local	1,053,074	1,565,162	1 49	2,663	1,758	929	2,503	1,689	1,461
	28.6	27.9				-47.2%			-13.5%
Subtotal (kg)	5,315,992	7,530,094	1 42	9,626	6,658	3,543	14,210	10,364	8,382
(tons)	43.6	41.8		10.61	7.34	3.91	15.66	11.42	9 24
						-46.8%			-19.1%
Small Urban									
12 Other Fwy/Ex	44,995	59,998	1 33	71	53	28	152	114	89
	65.0	65.0				-46.9%			-21.8%
14 Prin. Arterial	43,911	60,565	1.38	65	48	25	133	99	78
	58.7	57.6				-47.3%			-20.7%
16 Minor Arterial	1,376	1,899	1.38	3	2	1	3	2	2
	30.9	30.4				-52.1%			-19.6%
Subtotal (kg)	90,282	122,462	1.36	138	103	54	287	215	169
(tons)	60.8	60.1		0.15	0.11	0.06	0.32	0 24	0.19
						-47.2%			-21.2%
Urban									
11 Interstate	30,098	40,135	1.33	48	36	19	109	82	66
	65.0	64.9				-46.8%			-19.3%
12 Other Fwy/Ex	1,923,471	2,564,818	1 33	2,760	2,171	1,069	5,474	4,545	3,190
	62 4	57 5				-50 8%			-29.8%
14 Prin Arterial	1,327,721	1,831,219	1 38	3,309	2,212	1,138	2,839	2,071	1,637
	28 5	25.9				-48.5%			-20.9%
16 Minor Arterial	512,296	706,578	1 38	1,669	1,095	549	1,062	770	612
	20 8	19 0				-49.9%			-20.5%
17 Collector	493,058	732,860	1.49	2,487	1,426	741	1,150	759	667
	15.3	12.7				-48.0%			-12.1%
19 Local	454,946	676,194	1 49	3,222	1,738	904	1,136	734	661
	10 8	8 3				-48.0%			-9 9%
Subtotal (kg)	4,741,590	6,551,804	1 38	13,495	8,678	4,420	11,770	8,960	6,833
(tons)	26.8	22 4		14.88	9 57	4 87	12 97	9.88	7 53
						-49 1%			-23.7%
Chester County									
Totals (kg)	10,147,864	14,204,360	1 40	23,259	15,438	8,017	26,267	19,538	15,384
(tons)	33.8	29.9		25.64	17.02	8.84	28 95	21 54	16.96
						-48.1%			-21.3%
								w/ Phase II NOx Credit	15.71
									-27.1%
					w/ Tier 2 Credit	8.55		w/ Tier 2 Credit	14.11
						-49.8%			-34.5%
Delaware County									
Rural									
2 Other Prin. Art	331,091	384,199	1 16	405	348	155	778	693	455
	55 7	54 4				-55.6%			-34.4%
6 Minor Arterial	56,202	65,219	1.16	76	63	27	103	89	58
	45.3	43.9				-57.4%			-35.1%
7 Major Collector	79,320	104,334	1 32	136	102	48	170	130	98
	39.5	39.1				-52.8%			-24.4%
8 Minor Collector	20,773	27,326	1.32	36	27	13	46	35	27
	39.5	39.3				-52.6%			-23.2%
9 Local	123,337	162,241	1 32	273	207	95	259	197	149
	28 8	28 6				-54 1%			-24 2%
Subtotal (kg)	610,723	743,319	1 22	925	747	337	1,355	1,143	786
(tons)	43.6	42.3		1.02	0.82	0.37	1 49	1 26	0.87
						-54.9%			-31.2%

*Totals includes Phase II NOx and Tier2 Credits
3/28/01

VMT, VOC, and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
Urban									
11 Interstate	1,081,394	2,145,931	1 98	2,979	1,279	1,064	4,059	2,804	2,417
	63 8	39 3				-16 8%			-13.8%
12 Other Fwy/Ex	184,803	366,728	1.98	404	215	157	802	446	458
	63.9	59.2				-27.0%			2.8%
14 Prin. Arterial	3,915,467	4,543,515	1 16	8,373	6,865	2,853	7,097	6,148	4,054
	27.2	25.6				-58.4%			-34.1%
16 Minor Arterial	913,314	1,059,806	1 16	2,408	1,986	804	1,613	1,390	925
	20.7	19.9				-59.5%			-33.5%
17 Collector	839,013	1,103,620	1 32	3,883	2,594	1,152	1,758	1,309	1,011
	14.4	12.3				-55.6%			-22.8%
19 Local	734,330	965,908	1.32	4,272	2,872	1,229	1,614	1,198	933
	10.6	9.0				-57.2%			-22.1%
Subtotal (kg)	7,668,321	10,185,508	1.33	22,320	15,812	7,259	16,943	13,294	9,798
(tons)	22 9	20.9		24.60	17.43	8.00	18.68	14.65	10.80
						-54.1%			-26 3%
Delaware County									
Totals (kg)	8,279,044	10,928,827	1 32	23,245	16,560	7,596	18,299	14,438	10,584
(tons)	23.7	21.6		25.62	18.25	8.37	20 17	15 91	11.67
						-54.1%			-26.7%
								w/ Phase II NOx Credit	10.77
									-32.3%
					w/ Tier 2 Credit	8.16		w/ Tier 2 Credit	9.55
						-55.3%			-40.0%
Montgomery County									
Rural									
2 Other Prin Art	1,971,971	2,378,546	1 21	2,460	2,036	937	4,662	4,026	2,713
	55 7	54 0				-54 0%			-32 6%
6 Minor Arterial	380,419	458,849	1 21	497	404	182	753	625	433
	47.9	46.9				-54.9%			-30.7%
7 Major Collector	255,182	323,410	1 27	432	334	153	517	409	298
	38.1	37.2				-54.3%			-27 1%
8 Minor Collector	182,382	231,158	1 27	308	237	110	380	300	222
	38.7	37 7				-53.4%			-26 0%
9 Local	657,835	833,723	1 27	1,387	1,089	483	1,333	1,052	776
	28 9	28 7				-55.7%			-26.2%
Subtotal (kg)	3,447,789	4,225,686	1 23	5,083	4,100	1,864	7,645	6,413	4,443
(tons)	44 5	43 2		5.60	4 52	2.06	8.43	7 07	4.90
						-54.5%			-30 7%
Small Urban									
12 Other Fwy/Ex	68,563	89,484	1 31	105	81	42	225	173	132
	65 0	65 0				-48.0%			-23 6%
14 Prin. Arterial	204,536	246,705	1.21	259	217	100	515	434	296
	58.5	57.8				-54.0%			-31 9%
16 Minor Arterial	72,000	86,840	1 21	137	113	48	136	113	78
	30.8	30 4				-57.6%			-31 1%
17 Collector	65,339	82,818	1.27	150	117	51	127	100	73
	26.0	25.7				-56.0%			-27 6%
19 Local	108,487	137,482	1.27	266	209	91	210	165	120
	23.6	23.5				-56.6%			-27 6%
Subtotal (kg)	518,925	643,329	1.24	917	736	332	1,213	986	698
(tons)	37 1	36 6		1.01	0.81	0 37	1.34	1.09	0.77
						-55.0%			-29.2%
Urban									
11 Interstate	2,719,850	3,549,737	1 31	4,056	3,046	1,516	7,184	6,524	4,277
	60 8	50 5				-50 2%			-34.4%
12 Other Fwy/Ex	[illegible]	[illegible]	1 31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	61 5	55 6				-52.2%			-33 1%
14 Prin Artenal	4,177,372	5,038,627	1 21	8,836	7,002	3,017	7,706	6,425	4,389

*Totals includes Phase II NOx and Tier2 Credits
3/28/01

VMT, VOC, and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
	28 2	26.7				-56 9%			-31.7%
16 Minor Arterial	2,234,060	2,694,667	1 21	6,338	4,887	2,082	4,061	3,369	2,329
	20 3	19 0				-57 4%			-30.9%
17 Collector	1,520,523	1,927,083	1.27	6,591	4,681	1,962	3,045	2,363	1,763
	14.3	12 6				-58 1%			-25 4%
19 Local	1,222,062	1,548,829	1.27	6,286	4,626	1,860	2,635	2,053	1,566
	10.9	10.0				-59.8%			-23.7%
Subtotal (kg)	12,873,255	16,063,263	1.25	33,499	25,353	10,968	27,281	23,024	15,857
(tons)	24.0	21.9		36 93	27.95	12.09	30.07	25.38	17.48
						-56.7%			-31.1%
Montgomery County									
Totals (kg)	16,839,968	20,932,278	1.24	39,500	30,189	13,164	36,139	30,423	20,998
(tons)	26.8	24.7		43.54	33.28	14.51	39.84	33.53	23.15
						-56.4%			-31.0%
								w/ Phase II NOx Credit	21.36
									-36.3%
					w/ Tier 2 Credit	14.10		w/ Tier 2 Credit	19.01
						-57 6%			-43.3%
Philadelphia County									
Urban									
11 Interstate	4,230,651	4,697,752	1 11	6,773	5,592	2,479	10,658	10,332	6,373
	53.7	46 7				-55.7%			-38 3%
12 Other Fwy/Ex	409,025	454,186	1.11	592	543	226	1,138	1,072	658
	60.7	58.6				-58.4%			-38.6%
14 Prin Arterial	6,332,080	6,715,550	1 06	18,036	15,906	5,973	12,026	11,320	6,945
	21.7	20 3				-62.4%			-38.6%
16 Minor Arterial	2,726,627	2,891,738	1 06	10,741	9,590	3,337	5,237	4,911	3,044
	14.8	13 9				-65.2%			-38 0%
17 Collector	1,217,717	1,308,670	1 07	4,693	4,261	1,478	2,363	2,191	1,371
	14.7	14 3				-65.3%			-37.4%
19 Local	1,569,364	1,686,612	1.07	7,870	7,189	2,386	3,204	2,964	1,865
	10 3	10 1				-66.8%			-37.1%
Subtotal (kg)	16,485,464	17,754,508	1 08	48,705	43,080	15,879	34,626	32,789	20,256
(tons)	20 7	19 6		53 69	47 49	17 50	38 17	36 14	22 33
						-63.1%			-38.2%
Philadelphia County									
Totals (kg)	16,485,464	17,754,508	1 08	48,705	43,080	15,879	34,626	32,789	20,256
(tons)	20 7	19 6		53 69	47 49	17.50	38 17	36 14	22 33
						-63 1%			-38.2%
								w/ Phase II NOx Credit	20.70
									-42.7%
					w/ Tier 2 Credit	17.15		w/ Tier 2 Credit	18.70
						-63.9%			-48.3%
Philadelphia 5-County Area									
Totals (kg)	64,602,388	79,712,320	1 23	169,588	129,797	56,027	145,351	121,824	84,748
(tons)	25 2	23.0		186.94	143 08	61.76	160.22	134.29	93.42
						-56.8%			-30.4%
								w/ Phase II NOx Credit	86.42
									-35.8%
					w/ Tier 2 Credit	60.18		w/ Tier 2 Credit	77.46
						-57.9%			-42.3%

*Totals includes Phase II NOx and Tier2 Credits
3/28/01

VMT, VOC, CO and Nox Inventory and Forecast Emissions by County by Vehicle Type

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		30,672	87.9%	201,803	88.1%	24,885	82.9%
	LDGT1	540,791	3.4%		1,216	3.5%	9,736	4.3%	1,321	4.4%
	LDGT2	377,676	2.4%		935	2.7%	7,755	3.4%	983	3.3%
	HDGV	74,142	0.5%		252	0.7%	1,755	0.8%	390	1.3%
	LDDV	598,722	3.8%		256	0.7%	769	0.3%	773	2.6%
	LDDT	48,523	0.3%		26	0.1%	62	0.0%	73	0.2%
	HDDV	132,568	0.8%		205	0.6%	1,185	0.5%	1,395	4.6%
	MC	194,007	1.2%		1,318	3.8%	6,006	2.6%	199	0.7%
	Total	15,892,353		22.0	34,880		229,071		30,019	
				total tons:	38.45		252.51		33.09	

	kg	ton	pct.
Exhaust	17,950	19.79	51.5%
Evaporative	3,908	4.31	11.2%
Refueling	0	0.00	0.0%
Running Loss	11,757	12.96	33.7%
Resting Loss	1,265	1.39	3.6%

Chester	LDGV	12,300,302	86.6%		19,810	85.2%	128,969	85.7%	21,174	80.6%
	LDGT1	554,673	3.9%		992	4.3%	7,925	5.3%	1,328	5.1%
	LDGT2	387,487	2.7%		762	3.3%	6,388	4.2%	990	3.8%
	HDGV	74,724	0.5%		205	0.9%	1,473	1.0%	407	1.5%
	LDDV	529,766	3.7%		185	0.8%	542	0.4%	664	2.5%
	LDDT	51,166	0.4%		23	0.1%	54	0.0%	77	0.3%
	HDDV	135,780	1.0%		177	0.8%	1,007	0.7%	1,442	5.5%
	MC	170,462	1.2%		1,106	4.8%	4,136	2.7%	187	0.7%
	Total	14,204,360		29.9	23,259		150,493		26,267	
				total tons:	25.64		165.89		28.95	

	kg	ton	pct.
Exhaust	12,249	13.50	52.7%
Evaporative	3,375	3.72	14.5%
Refueling	0	0.00	0.0%
Running Loss	6,507	7.17	28.0%
Resting Loss	1,128	1.24	4.8%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		20,435	87.9%	132,983	88.4%	15,213	83.1%
	LDGT1	365,103	3.3%		810	3.5%	6,426	4.3%	791	4.3%
	LDGT2	254,600	2.3%		589	2.5%	4,806	3.2%	563	3.1%
	HDGV	49,281	0.5%		167	0.7%	1,095	0.7%	245	1.3%
	LDDV	412,138	3.8%		180	0.8%	525	0.3%	465	2.5%
	LDDT	33,853	0.3%		19	0.1%	44	0.0%	45	0.2%
	HDDV	90,497	0.8%		150	0.6%	822	0.5%	856	4.7%
	MC	133,828	1.2%		896	3.9%	3,759	2.5%	121	0.7%
	Total	10,928,827		21.6	23,245		150,460		18,299	
				total tons:	25.62		165.85		20.17	

	kg	ton	pct.
Exhaust	11,836	13.05	50.9%
Evaporative	2,662	2.93	11.5%
Refueling	0	0.00	0.0%
Running Loss	7,877	8.68	33.9%
Resting Loss	870	0.96	3.7%

Montgomery	LDGV	18,347,033	87.6%		34,239	86.7%	220,729	87.3%	29,831	82.5%
	LDGT1	710,307	3.4%		1,523	3.9%	11,898	4.7%	1,613	4.5%
	LDGT2	497,695	2.4%		1,132	2.9%	9,131	3.6%	1,175	3.3%
	HDGV	94,861	0.5%		304	0.8%	2,066	0.8%	487	1.3%
	LDDV	788,728	3.8%		316	0.8%	922	0.4%	934	2.6%
	LDDT	64,910	0.3%		35	0.1%	82	0.0%	92	0.3%
	HDDV	173,773	0.8%		274	0.7%	1,559	0.6%	1,755	4.9%
	MC	254,971	1.2%		1,677	4.2%	6,380	2.5%	251	0.7%
	Total	20,932,278		24.7	39,500		252,766		36,139	
				total tons:	43.54		278.62		39.84	

	kg	ton	pct.
Exhaust	20,307	22.38	51.4%
Evaporative	4,961	5.47	12.6%
Refueling	0	0.00	0.0%
Running Loss	12,564	13.85	31.8%
Resting Loss	1,668	1.84	4.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		43,272	88.8%	293,761	89.1%	28,713	82.9%
	LDGT1	636,001	3.6%		1,728	3.5%	13,973	4.2%	1,625	4.7%
	LDGT2	447,874	2.5%		1,241	2.5%	10,381	3.1%	1,150	3.3%
	HDGV	86,440	0.5%		326	0.7%	2,170	0.7%	443	1.3%
	LDDV	666,201	3.8%		339	0.7%	986	0.3%	820	2.4%
	LDDT	59,409	0.3%		38	0.1%	86	0.0%	88	0.3%
	HDDV	158,652	0.9%		270	0.6%	1,532	0.5%	1,601	4.6%
	MC	214,544	1.2%		1,491	3.1%	6,755	2.0%	187	0.5%
	Total	17,754,508		19.6	48,705		329,646		34,626	
				total tons:	53.69		363.37		38.17	

	kg	ton	pct.
Exhaust	25,817	28.46	53.0%
Evaporative	4,866	5.36	10.0%
Refueling	0	0.00	0.0%
Running Loss	16,605	18.30	34.1%
Resting Loss	1,417	1.56	2.9%

Area Total

	LDGV	69,648,173	87.4%		148,428	87.5%	978,245	87.9%	119,816	82.4%
	LDGT1	2,806,875	3.5%		6,268	3.7%	49,959	4.5%	6,677	4.6%
	LDGT2	1,965,332	2.5%		4,659	2.7%	38,462	3.5%	4,862	3.3%
	HDGV	379,448	0.5%		1,254	0.7%	8,558	0.8%	1,972	1.4%
	LDDV	2,995,555	3.8%		1,275	0.8%	3,743	0.3%	3,657	2.5%
	LDDT	257,861	0.3%		141	0.1%	329	0.0%	374	0.3%
	HDDV	691,270	0.9%		1,077	0.6%	6,105	0.5%	7,049	4.8%
	MC	967,812	1.2%		6,488	3.8%	27,035	2.4%	945	0.6%
	Total:	79,712,326		23.0	169,588		1,112,436		145,351	
				Total Tons:	186.94		1,226.24		160.22	

	kg	tons	pct.
Exhaust	88,159	97.18	52.0%
Evaporative	19,772	21.79	11.7%
Refueling	0	0.00	0.0%
Running Loss	55,310	60.97	32.6%
Resting Loss	6,348	7.00	3.7%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		21,364	87.1%	147,320	87.7%	20,401	82.8%
	LDGT1	439,011	3.4%		898	3.7%	7,457	4.4%	1,096	4.4%
	LDGT2	306,774	2.4%		688	2.8%	5,963	3.6%	816	3.3%
	HDGV	60,203	0.5%		184	0.8%	1,326	0.8%	321	1.3%
	LDDV	483,922	3.8%		192	0.8%	561	0.3%	627	2.5%
	LDDT	39,400	0.3%		20	0.1%	47	0.0%	60	0.2%
	HDDV	107,653	0.8%		156	0.6%	888	0.5%	1,150	4.7%
	MC	156,796	1.2%		1,029	4.2%	4,339	2.6%	167	0.7%
	Total	12,850,048		26.4	24,531		167,901		24,636	
				total tons:	27.04		185.08		27.16	

	kg	ton	pct.
Exhaust	13,161	14.51	53.7%
Evaporative	3,160	3.48	12.9%
Refueling	0	0.00	0.0%
Running Loss	7,188	7.92	29.3%
Resting Loss	1,022	1.13	4.2%

Chester	LDGV	8,783,345	86.6%		13,047	84.5%	89,121	85.3%	15,732	80.5%
	LDGT1	398,456	3.9%		683	4.4%	5,640	5.4%	994	5.1%
	LDGT2	278,221	2.7%		524	3.4%	4,564	4.4%	742	3.8%
	HDGV	53,668	0.5%		139	0.9%	1,042	1.0%	297	1.5%
	LDDV	378,292	3.7%		124	0.8%	366	0.4%	495	2.5%
	LDDT	36,723	0.4%		16	0.1%	38	0.0%	57	0.3%
	HDDV	97,484	1.0%		121	0.8%	699	0.7%	1,080	5.5%
	MC	121,675	1.2%		784	5.1%	2,981	2.9%	141	0.7%
	Total	10,147,864		33.8	15,438		104,453		19,538	
				total tons:	17.02		115.14		21.54	

	kg	ton	pct.
Exhaust	8,394	9.25	54.4%
Evaporative	2,411	2.66	15.6%
Refueling	0	0.00	0.0%
Running Loss	3,828	4.22	24.8%
Resting Loss	806	0.89	5.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,554	87.9%	98,343	88.4%	12,050	83.5%
	LDGT1	260,358	3.1%		562	3.4%	4,689	4.2%	607	4.2%
	LDGT2	181,359	2.2%		408	2.5%	3,521	3.2%	432	3.0%
	HDGV	34,920	0.4%		113	0.7%	790	0.7%	178	1.2%
	LDDV	313,605	3.8%		130	0.8%	381	0.3%	371	2.6%
	LDDT	24,222	0.3%		13	0.1%	31	0.0%	35	0.2%
	HDDV	64,385	0.8%		103	0.6%	579	0.5%	667	4.6%
	MC	101,825	1.2%		676	4.1%	2,863	2.6%	98	0.7%
	Total	8,279,044		23.7	16,560		111,196		14,438	
				total tons:	18.25		122.57		15.91	

	kg	ton	pct.
Exhaust	8,626	9.51	52.1%
Evaporative	2,017	2.22	12.2%
Refueling	0	0.00	0.0%
Running Loss	5,257	5.79	31.7%
Resting Loss	660	0.73	4.0%

Montgomery	LDGV	14,770,267	87.7%		26,083	86.4%	175,077	87.1%	25,083	82.4%
	LDGT1	566,593	3.4%		1,175	3.9%	9,606	4.8%	1,371	4.5%
	LDGT2	396,975	2.4%		873	2.9%	7,394	3.7%	999	3.3%
	HDGV	75,639	0.4%		231	0.8%	1,643	0.8%	397	1.3%
	LDDV	634,947	3.8%		243	0.8%	713	0.4%	788	2.6%
	LDDT	51,741	0.3%		27	0.1%	64	0.0%	79	0.3%
	HDDV	138,570	0.8%		210	0.7%	1,213	0.6%	1,491	4.9%
	MC	205,237	1.2%		1,348	4.5%	5,292	2.6%	215	0.7%
	Total	16,839,969		26.8	30,189		201,003		30,423	
				total tons:	33.28		221.57		33.53	

	kg	ton	pct.
Exhaust	15,935	17.57	52.8%
Evaporative	3,991	4.40	13.2%
Refueling	0	0.00	0.0%
Running Loss	8,920	9.83	29.5%
Resting Loss	1,342	1.48	4.4%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		38,204	88.7%	262,736	89.1%	27,180	82.9%
	LDGT1	586,141	3.6%		1,538	3.6%	12,517	4.2%	1,550	4.7%
	LDGT2	412,431	2.5%		1,103	2.6%	9,299	3.2%	1,097	3.3%
	HDGV	79,590	0.5%		289	0.7%	1,962	0.7%	415	1.3%
	LDDV	618,960	3.8%		303	0.7%	880	0.3%	769	2.3%
	LDDT	54,756	0.3%		34	0.1%	77	0.0%	83	0.3%
	HDDV	146,110	0.9%		240	0.6%	1,371	0.5%	1,515	4.6%
	MC	199,372	1.2%		1,369	3.2%	6,005	2.0%	180	0.5%
	Total	16,485,464		20.7	43,080		294,847		32,789	
				total tons:	47.49		325.01		36.14	

	kg	ton	pct.
Exhaust	23,135	25.50	53.7%
Evaporative	4,518	4.98	10.5%
Refueling	0	0.00	0.0%
Running Loss	14,111	15.55	32.8%
Resting Loss	1,316	1.45	3.1%

Area Total

	LDGV	56,496,375	87.5%		113,251	87.3%	772,597	87.9%	100,446	82.5%
	LDGT1	2,250,559	3.5%		4,855	3.7%	39,910	4.5%	5,618	4.6%
	LDGT2	1,575,760	2.4%		3,596	2.8%	30,742	3.5%	4,085	3.4%
	HDGV	304,020	0.5%		956	0.7%	6,762	0.8%	1,609	1.3%
	LDDV	2,429,726	3.8%		992	0.8%	2,901	0.3%	3,050	2.5%
	LDDT	206,842	0.3%		109	0.1%	257	0.0%	314	0.3%
	HDDV	554,202	0.9%		831	0.6%	4,750	0.5%	5,902	4.8%
	MC	784,905	1.2%		5,206	4.0%	21,481	2.4%	801	0.7%
	Total:	64,602,389		25.2	129,797		879,400		121,824	
				Total Tons:	143.08		969.36		134.29	

	kg	tons	pct.
Exhaust	69,251	76.33	53.4%
Evaporative	16,097	17.74	12.4%
Refueling	0	0.00	0.0%
Running Loss	39,304	43.32	30.3%
Resting Loss	5,146	5.67	4.0%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Control Strategy
(with Tier 2 Credits)

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		8,613	77.7%	80,016	84.3%	12,079	75.9%
	LDGT1	540,791	3.4%		363	3.3%	3,452	3.6%	619	3.9%
	LDGT2	377,676	2.4%		295	2.7%	2,936	3.1%	538	3.4%
	HDGV	74,142	0.5%		150	1.4%	1,301	1.4%	334	2.1%
	LDDV	598,722	3.8%		256	2.3%	769	0.8%	773	4.9%
	LDDT	48,523	0.3%		20	0.2%	62	0.1%	61	0.4%
	HDDV	132,568	0.8%		205	1.9%	1,184	1.2%	1,301	8.2%
	MC	194,007	1.2%		1,183	10.7%	5,144	5.4%	199	1.2%
	Total	15,892,353		22.0	11,086		94,864		15,904	
				total tons:	12.22		104.57		17.53	
							w/ Phase II RFG NOx Credit		16.09	

	kg	ton	pct.
Exhaust	7,744	8.54	68.1%
Evaporative	1,416	1.56	12.5%
Refueling	0	0.00	0.0%
Running Loss	1,533	1.69	13.5%
Resting Loss	677	0.75	6.0%

Chester	LDGV	12,300,302	86.6%		5,729	73.8%	52,009	81.8%	10,160	72.9%
	LDGT1	554,673	3.9%		300	3.9%	2,838	4.5%	618	4.4%
	LDGT2	387,487	2.7%		245	3.2%	2,455	3.9%	546	3.9%
	HDGV	74,724	0.5%		120	1.5%	1,091	1.7%	349	2.5%
	LDDV	529,766	3.7%		185	2.4%	542	0.9%	664	4.8%
	LDDT	51,166	0.4%		16	0.2%	54	0.1%	65	0.5%
	HDDV	135,780	1.0%		177	2.3%	1,006	1.6%	1,345	9.7%
	MC	170,462	1.2%		989	12.7%	3,549	5.6%	186	1.3%
	Total	14,204,360		29.9	7,760		63,544		13,932	
				total tons:	8.55		70.04		15.36	
							w/ Phase II RFG NOx Credit		14.11	

	kg	ton	pct.
Exhaust	5,339	5.89	66.6%
Evaporative	1,246	1.37	15.5%
Refueling	0	0.00	0.0%
Running Loss	859	0.95	10.7%
Resting Loss	573	0.63	7.1%

Includes Phase II RFG NOx and Tier 2 Credits

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Control Strategy
(with Tier 2 Credits)

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		5,724	77.3%	52,913	84.7%	7,171	75.7%
	LDGT1	365,103	3.3%		241	3.3%	2,281	3.7%	362	3.8%
	LDGT2	254,600	2.3%		187	2.5%	1,872	3.0%	306	3.2%
	HDGV	49,281	0.5%		100	1.3%	807	1.3%	209	2.2%
	LDDV	412,138	3.8%		180	2.4%	525	0.8%	465	4.9%
	LDDT	33,853	0.3%		15	0.2%	44	0.1%	37	0.4%
	HDDV	90,497	0.8%		150	2.0%	822	1.3%	799	8.4%
	MC	133,828	1.2%		804	10.9%	3,218	5.1%	121	1.3%
	Total	10,928,827		21.6	7,400		62,481		9,470	
				total tons:	8.16		68.87		10.44	
							w/ Phase II RFG NOx Credit		9.55	

	kg	ton	pct.
Exhaust	5,094	5.62	67.1%
Evaporative	956	1.05	12.6%
Refueling	0	0.00	0.0%
Running Loss	1,081	1.19	14.2%
Resting Loss	465	0.51	6.1%

Montgomery	LDGV	18,347,033	87.6%		9,678	75.7%	88,951	83.7%	14,161	75.1%
	LDGT1	710,307	3.4%		453	3.5%	4,236	4.0%	745	3.9%
	LDGT2	497,695	2.4%		359	2.8%	3,532	3.3%	645	3.4%
	HDGV	94,861	0.5%		179	1.4%	1,518	1.4%	414	2.2%
	LDDV	788,728	3.8%		316	2.5%	922	0.9%	934	5.0%
	LDDT	64,910	0.3%		26	0.2%	82	0.1%	77	0.4%
	HDDV	173,773	0.8%		274	2.1%	1,557	1.5%	1,638	8.7%
	MC	254,971	1.2%		1,503	11.8%	5,467	5.1%	250	1.3%
	Total	20,932,278		24.7	12,788		106,265		18,864	
				total tons:	14.10		117.14		20.79	
							w/ Phase II RFG NOx Credit		19.01	

	kg	ton	pct.
Exhaust	8,795	9.69	66.8%
Evaporative	1,836	2.02	13.9%
Refueling	0	0.00	0.0%
Running Loss	1,681	1.85	12.8%
Resting Loss	852	0.94	6.5%

Includes Phase II RFG NOx and Tier 2 Credits

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5-County Area

2005 Control Strategy
(with Tier 2 Credits)

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		12,472	80.2%	111,289	85.7%	14,099	76.4%
	LDGT1	636,001	3.6%		522	3.4%	4,800	3.7%	767	4.2%
	LDGT2	447,874	2.5%		389	2.5%	3,829	2.9%	619	3.4%
	HDGV	86,440	0.5%		199	1.3%	1,608	1.2%	384	2.1%
	LDDV	666,201	3.8%		339	2.2%	986	0.8%	820	4.4%
	LDDT	59,409	0.3%		30	0.2%	86	0.1%	74	0.4%
	HDDV	158,652	0.9%		270	1.7%	1,530	1.2%	1,493	8.1%
	MC	214,544	1.2%		1,339	8.6%	5,777	4.4%	186	1.0%
	Total	17,754,508		19.6	15,560		129,906		18,443	
				total tons:	17.15		143.20		20.33	
							w/ Phase II RFG NOx Credit		18.70	

	kg	ton	pct.
Exhaust	10,830	11.94	68.2%
Evaporative	1,721	1.90	10.8%
Refueling	0	0.00	0.0%
Running Loss	2,440	2.69	15.4%
Resting Loss	888	0.98	5.6%

Area Total

	LDGV	69,648,173	87.4%		42,215	77.3%	385,178	84.3%	57,671	75.3%
	LDGT1	2,806,875	3.5%		1,879	3.4%	17,607	3.9%	3,110	4.1%
	LDGT2	1,965,332	2.5%		1,476	2.7%	14,623	3.2%	2,654	3.5%
	HDGV	379,448	0.5%		748	1.4%	6,326	1.4%	1,690	2.2%
	LDDV	2,995,555	3.8%		1,275	2.3%	3,743	0.8%	3,657	4.8%
	LDDT	257,861	0.3%		106	0.2%	329	0.1%	314	0.4%
	HDDV	691,270	0.9%		1,077	2.0%	6,099	1.3%	6,576	8.6%
	MC	967,812	1.2%		5,818	10.7%	23,155	5.1%	942	1.2%
	Total:	79,712,326		23.0	54,595		457,060		76,613	
				Total Tons:	60.18		503.82		84.45	
							w/ Phase II RFG NOx Credit		77.46	

	kg	tons	pct.
Exhaust	37,803	41.67	69.2%
Evaporative	7,176	7.91	13.1%
Refueling	0	0.00	0.0%
Running Loss	7,594	8.37	13.9%
Resting Loss	3,455	3.81	6.3%

Includes Phase II RFG NOx and Tier 2 Credits

Philadelphia 5-County Area MOBILE Input Files 2005 Control Strategy Scenario

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUT ]
Buck County, Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .039 .073 .076 .084 .090 .098 .098 .092 .077 .064      * Distribution by Vehicle
 .039 .029 .023 .021 .024 .018 .013 .008 .004 .004      * County:Bucks
 .004 .004 .003 .003 .012                               * Filename:     buckage.d
 .033 .052 .056 .064 .086 .094 .092 .104 .074 .060
 .044 .031 .028 .026 .041 .032 .024 .014 .008 .009
 .006 .007 .005 .004 .008
 .037 .059 .048 .075 .104 .100 .081 .093 .073 .056
 .032 .023 .023 .024 .039 .037 .023 .014 .013 .011
 .011 .007 .006 .003 .007
 .024 .036 .036 .062 .086 .088 .075 .083 .068 .050
 .030 .029 .028 .035 .045 .036 .027 .020 .023 .023
 .027 .019 .012 .013 .024
 .039 .073 .076 .084 .090 .098 .098 .092 .077 .064
 .039 .029 .023 .021 .024 .018 .013 .008 .004 .004
 .004 .004 .003 .003 .012
 .033 .052 .056 .064 .086 .094 .092 .104 .074 .060
 .044 .031 .028 .026 .041 .032 .024 .014 .008 .009
 .006 .007 .005 .004 .008
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .037 .051 .041 .047 .047 .038 .050 .078 .070 .045
 .064 .432 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 55.6 87.7 20.6 27.3 20.6  7
99 1 1
[A  91F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.859.042.030.006.037.004.010.012
4  5 55.4 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUTB]
Bucks County, 2005 Control Strategy w/ Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .039 .073 .076 .084 .090 .098 .098 .092 .077 .064     * Distribution by Vehicle
 .039 .029 .023 .021 .024 .018 .013 .008 .004 .004     * County:Bucks
 .004 .004 .003 .003 .012                              * Filename:     buckage.d
 .033 .052 .056 .064 .086 .094 .092 .104 .074 .060
 .044 .031 .028 .026 .041 .032 .024 .014 .008 .009
 .006 .007 .005 .004 .008
 .037 .059 .048 .075 .104 .100 .081 .093 .073 .056
 .032 .023 .023 .024 .039 .037 .023 .014 .013 .011
 .011 .007 .006 .003 .007
 .024 .036 .036 .062 .086 .088 .075 .083 .068 .050
 .030 .029 .028 .035 .045 .036 .027 .020 .023 .023
 .027 .019 .012 .013 .024
 .039 .073 .076 .084 .090 .098 .098 .092 .077 .064
 .039 .029 .023 .021 .024 .018 .013 .008 .004 .004
 .004 .004 .003 .003 .012
 .033 .052 .056 .064 .086 .094 .092 .104 .074 .060
 .044 .031 .028 .026 .041 .032 .024 .014 .008 .009
 .006 .007 .005 .004 .008
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .037 .051 .041 .047 .047 .038 .050 .078 .070 .045
 .064 .432 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 75 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 55.6 87.7 20.6 27.3 20.6  7
99 1 1
[A  91F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.859.042.030.006.037.004.010.012
4  5 55.4 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUT ]
Chester County, Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .051 .082 .085 .092 .095 .103 .099 .091 .070 .058     * Distribution by Vehicle
 .034 .025 .020 .018 .018 .013 .009 .006 .004 .003     * County:Chester
 .004 .003 .003 .003 .011                              * Filename:     chesage.d
 .038 .062 .063 .068 .087 .100 .095 .103 .068 .058
 .040 .027 .026 .024 .037 .030 .021 .011 .007 .007
 .005 .006 .004 .004 .009
 .044 .059 .057 .080 .106 .107 .084 .095 .069 .050
 .030 .024 .021 .022 .037 .031 .021 .012 .009 .009
 .010 .008 .005 .003 .007
 .024 .039 .044 .062 .086 .087 .081 .083 .065 .044
 .035 .031 .032 .032 .045 .034 .029 .017 .021 .021
 .025 .017 .013 .013 .020
 .051 .082 .085 .092 .095 .103 .099 .091 .070 .058
 .034 .025 .020 .018 .018 .013 .009 .006 .004 .003
 .004 .003 .003 .003 .011
 .038 .062 .063 .068 .087 .100 .095 .103 .068 .058
 .040 .027 .026 .024 .037 .030 .021 .011 .007 .007
 .005 .006 .004 .004 .009
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .030 .044 .040 .043 .042 .043 .043 .070 .068 .061
 .065 .451 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 64.9 87.7 20.6 27.3 20.6  7
99 1 1
[A 151F 1T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.790.076.053.010.034.007.019.011
4  5 65.0 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUTB]
Chester County, 2005 Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .051 .082 .085 .092 .095 .103 .099 .091 .070 .058      * Distribution by Vehicle
 .034 .025 .020 .018 .018 .013 .009 .006 .004 .003      * County:Chester
 .004 .003 .003 .003 .011                               * Filename:     chesage.d
 .038 .062 .063 .068 .087 .100 .095 .103 .068 .058
 .040 .027 .026 .024 .037 .030 .021 .011 .007 .007
 .005 .006 .004 .004 .009
 .044 .059 .057 .080 .106 .107 .084 .095 .069 .050
 .030 .024 .021 .022 .037 .031 .021 .012 .009 .009
 .010 .008 .005 .003 .007
 .024 .039 .044 .062 .086 .087 .081 .083 .065 .044
 .035 .031 .032 .032 .045 .034 .029 .017 .021 .021
 .025 .017 .013 .013 .020
 .051 .082 .085 .092 .095 .103 .099 .091 .070 .058
 .034 .025 .020 .018 .018 .013 .009 .006 .004 .003
 .004 .003 .003 .003 .011
 .038 .062 .063 .068 .087 .100 .095 .103 .068 .058
 .040 .027 .026 .024 .037 .030 .021 .011 .007 .007
 .005 .006 .004 .004 .009
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .030 .044 .040 .043 .042 .043 .043 .070 .068 .061
 .065 .451 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 75 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 64.9 87.7 20.6 27.3 20.6  7
99 1 1
[A 151F 1T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.790.076.053.010.034.007.019.011
4  5 65.0 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUT ]
Delaware County, 2005 Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .065 .093 .084 .083 .087 .087 .089 .084 .071 .060     * Distribution by Vehicle
 .038 .027 .023 .021 .023 .017 .012 .008 .004 .004     * County:Delaware
 .004 .003 .002 .002 .008                              * Filename:     delaage.d
 .043 .061 .069 .068 .083 .087 .091 .103 .068 .060
 .040 .030 .027 .024 .040 .029 .022 .014 .008 .008
 .007 .005 .004 .003 .007
 .053 .076 .068 .092 .106 .093 .073 .089 .063 .052
 .033 .024 .018 .021 .039 .027 .018 .011 .008 .008
 .011 .005 .003 .003 .006
 .026 .042 .043 .061 .084 .094 .078 .081 .069 .048
 .032 .028 .027 .036 .047 .035 .026 .017 .023 .021
 .024 .014 .012 .011 .018
 .065 .093 .084 .083 .087 .087 .089 .084 .071 .060
 .038 .027 .023 .021 .023 .017 .012 .008 .004 .004
 .004 .003 .002 .002 .008
 .043 .061 .069 .068 .083 .087 .091 .103 .068 .060
 .040 .030 .027 .024 .040 .029 .022 .014 .008 .008
 .007 .005 .004 .003 .007
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .034 .056 .043 .035 .045 .042 .054 .078 .066 .052
 .067 .428 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 54.4 87.7 20.6 27.3 20.6  7
99 1 1
[A 231F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.849.047.033.006.037.004.012.012
4  5 54.1 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUTB]
Delaware County, 2005 Control Strategy w/ Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .065 .093 .084 .083 .087 .087 .089 .084 .071 .060      * Distribution by Vehicle
 .038 .027 .023 .021 .023 .017 .012 .008 .004 .004      * County:Delaware
 .004 .003 .002 .002 .008                               * Filename:     delaage.d
 .043 .061 .069 .068 .083 .087 .091 .103 .068 .060
 .040 .030 .027 .024 .040 .029 .022 .014 .008 .008
 .007 .005 .004 .003 .007
 .053 .076 .068 .092 .106 .093 .073 .089 .063 .052
 .033 .024 .018 .021 .039 .027 .018 .011 .008 .008
 .011 .005 .003 .003 .006
 .026 .042 .043 .061 .084 .094 .078 .081 .069 .048
 .032 .028 .027 .036 .047 .035 .026 .017 .023 .021
 .024 .014 .012 .011 .018
 .065 .093 .084 .083 .087 .087 .089 .084 .071 .060
 .038 .027 .023 .021 .023 .017 .012 .008 .004 .004
 .004 .003 .002 .002 .008
 .043 .061 .069 .068 .083 .087 .091 .103 .068 .060
 .040 .030 .027 .024 .040 .029 .022 .014 .008 .008
 .007 .005 .004 .003 .007
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .034 .056 .043 .035 .045 .042 .054 .078 .066 .052
 .067 .428 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 75 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 54.4 87.7 20.6 27.3 20.6  7
99 1 1
[A 231F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.849.047.033.006.037.004.012.012
4  5 54.1 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUT ]
Montgomery County, 2005 Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .052 .087 .086 .093 .095 .095 .097 .088 .071 .058     * Distribution by Vehicle
 .035 .025 .020 .018 .020 .015 .010 .006 .004 .003     * County:Montgomery
 .004 .003 .002 .003 .010                              * Filename:     montage.d
 .041 .059 .059 .071 .089 .090 .091 .101 .072 .059
 .041 .030 .026 .024 .038 .030 .022 .014 .008 .008
 .006 .006 .004 .004 .008
 .046 .058 .064 .085 .115 .097 .080 .095 .072 .050
 .032 .024 .021 .023 .038 .029 .020 .010 .009 .008
 .009 .006 .004 .003 .004
 .025 .038 .049 .066 .089 .098 .087 .089 .064 .053
 .031 .030 .029 .034 .041 .029 .026 .015 .019 .018
 .020 .015 .010 .009 .017
 .052 .087 .086 .093 .095 .095 .097 .088 .071 .058
 .035 .025 .020 .018 .020 .015 .010 .006 .004 .003
 .004 .003 .002 .003 .010
 .041 .059 .059 .071 .089 .090 .091 .101 .072 .059
 .041 .030 .026 .024 .038 .030 .022 .014 .008 .008
 .006 .006 .004 .004 .008
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .039 .050 .038 .040 .042 .036 .050 .075 .074 .052
 .067 .437 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 54.0 87.7 20.6 27.3 20.6  7
99 1 1
[A 461F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.866.039.027.005.037.004.010.012
4  5 53.7 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUTB]
Montgomery County, 2005 Control Strategy w/ Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .052 .087 .086 .093 .095 .095 .097 .088 .071 .058      * Distribution by Vehicle
 .035 .025 .020 .018 .020 .015 .010 .006 .004 .003      * County:Montgomery
 .004 .003 .002 .003 .010                               * Filename:     montage.d
 .041 .059 .059 .071 .089 .090 .091 .101 .072 .059
 .041 .030 .026 .024 .038 .030 .022 .014 .008 .008
 .006 .006 .004 .004 .008
 .046 .058 .064 .085 .115 .097 .080 .095 .072 .050
 .032 .024 .021 .023 .038 .029 .020 .010 .009 .008
 .009 .006 .004 .003 .004
 .025 .038 .049 .066 .089 .098 .087 .089 .064 .053
 .031 .030 .029 .034 .041 .029 .026 .015 .019 .018
 .020 .015 .010 .009 .017
 .052 .087 .086 .093 .095 .095 .097 .088 .071 .058
 .035 .025 .020 .018 .020 .015 .010 .006 .004 .003
 .004 .003 .002 .003 .010
 .041 .059 .059 .071 .089 .090 .091 .101 .072 .059
 .041 .030 .026 .024 .038 .030 .022 .014 .008 .008
 .006 .006 .004 .004 .008
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .039 .050 .038 .040 .042 .036 .050 .075 .074 .052
 .067 .437 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 75 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 54.0 87.7 20.6 27.3 20.6  7
99 1 1
[A 461F 2T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.866.039.027.005.037.004.010.012
4  5 53.7 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUT ]
Philadeplhia County, 2005 Control Strategy w/o Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32   .    imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .037 .054 .056 .064 .070 .080 .085 .088 .081 .077     * Distribution by Vehicle
 .053 .042 .038 .035 .038 .031 .023 .014 .007 .006     * County:Philadelphia
 .005 .004 .003 .003 .006                              * Filename:     philage.d
 .024 .039 .043 .051 .062 .070 .076 .092 .072 .066
 .052 .040 .036 .039 .058 .046 .035 .023 .016 .015
 .011 .008 .006 .007 .011
 .027 .059 .052 .076 .076 .082 .081 .092 .069 .052
 .037 .035 .032 .031 .046 .044 .024 .015 .012 .017
 .014 .009 .005 .003 .007
 .016 .036 .033 .041 .065 .074 .096 .076 .072 .048
 .044 .042 .034 .038 .052 .026 .022 .025 .042 .029
 .024 .016 .015 .020 .010
 .037 .054 .056 .064 .070 .080 .085 .088 .081 .077
 .053 .042 .038 .035 .038 .031 .023 .014 .007 .006
 .005 .004 .003 .003 .006
 .024 .039 .043 .051 .062 .070 .076 .092 .072 .066
 .052 .040 .036 .039 .058 .046 .035 .023 .016 .015
 .011 .008 .006 .007 .011
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .039 .051 .032 .039 .040 .042 .066 .076 .081 .055
 .062 .417 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 46.7 87.7 20.6 27.3 20.6  7
99 1 1
[A 673F11T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.814.064.045.009.035.006.016.011
4  5 52.2 84.8 20.6 27.3 20.6  7
```

```
5       PROMPT [LITE1 VERSION 3.20 ] [M5INPUTB]
Philadelphia County, 2005 Control Strategy w/ Gas Cap Pressure Check
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
2    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
 .037 .054 .056 .064 .070 .080 .085 .088 .081 .077      * Distribution by Vehicle
 .053 .042 .038 .035 .038 .031 .023 .014 .007 .006      * County:Philadelphia
 .005 .004 .003 .003 .006                               * Filename:     philage.d
 .024 .039 .043 .051 .062 .070 .076 .092 .072 .066
 .052 .040 .036 .039 .058 .046 .035 .023 .016 .015
 .011 .008 .006 .007 .011
 .027 .059 .052 .076 .076 .082 .081 .092 .069 .052
 .037 .035 .032 .031 .046 .044 .024 .015 .012 .017
 .014 .009 .005 .003 .007
 .016 .036 .033 .041 .065 .074 .096 .076 .072 .048
 .044 .042 .034 .038 .052 .026 .022 .025 .042 .029
 .024 .016 .015 .020 .010
 .037 .054 .056 .064 .070 .080 .085 .088 .081 .077
 .053 .042 .038 .035 .038 .031 .023 .014 .007 .006
 .005 .004 .003 .003 .006
 .024 .039 .043 .051 .062 .070 .076 .092 .072 .066
 .052 .040 .036 .039 .058 .046 .035 .023 .016 .015
 .011 .008 .006 .007 .011
 .034 .067 .067 .067 .067 .073 .061 .040 .041 .051
 .053 .066 .055 .057 .045 .019 .023 .028 .024 .016
 .011 .009 .007 .005 .016
 .039 .051 .032 .039 .040 .042 .066 .076 .081 .055
 .062 .417 .000 .000 .000 .000 .000 .000 .000 .000
 .000 .000 .000 .000 .000
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
84 20 75 80  3  3 096 1 1 2221 1211 220. 1.20 999.        Existing I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM Final Cutpoints
98 75 20 2221 11 096. 22212222                            ATP Program
98 75 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
4  5 46.7 87.7 20.6 27.3 20.6  7
99 1 1
[A 673F11T 24HR] C 71.0 96.0  8.7  8.7 20 1 1 2 1
.814.064.045.009.035.006.016.011
4  5 52.2 84.8 20.6 27.3 20.6  7
```