

APPENDIX C-2
Allentown-Bethlehem-Easton Area Emission Summary Tables

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Appendix C-2-1
2004 Allentown-Bethlehem-Easton Area Emission Summary
Summer Weekday (Tons/Day)

County	VMT	Speed (mph)	VOC	NOX
Lehigh	8,624,648	40.6	11.19	29.20
Northampton	5,970,586	38.9	9.18	20.63
Lehigh Valley MPO	14,595,234	-	20.37	49.83
Carbon	2,373,594	44.3	2.89	9.55

Appendix C-2-1
2004 Allentown-Bethlehem-Easton Area Emission Summary by Road Type
Summer Weekday (Tons/Day)

County	Road Type	VMT	Speed (mph)	VOC	NOX
Lehigh	Off-Network	-	-	6.29	4.27
	Rural Restricted Access	431,421	64.9	0.21	2.24
	Rural Unrestricted Access	762,920	39.6	0.42	1.91
	Urban Restricted Access	3,009,008	56.7	1.49	10.47
	Urban Unrestricted Access	4,421,298	33.1	2.79	10.31
	Total	8,624,648	40.6	11.19	29.20

County	Road Type	VMT	Speed (mph)	VOC	NOX
Northampton	Off-Network	-	-	5.69	3.72
	Rural Restricted Access	0	0.0	0.00	0.00
	Rural Unrestricted Access	1,066,280	43.2	0.55	2.63
	Urban Restricted Access	1,740,562	57.5	0.87	6.45
	Urban Unrestricted Access	3,163,744	32.1	2.08	7.82
	Total	5,970,586	38.9	9.18	20.63

County	Road Type	VMT	Speed (mph)	VOC	NOX
Carbon	Off-Network	-	-	1.53	1.11
	Rural Restricted Access	947,479	64.8	0.48	4.68
	Rural Unrestricted Access	831,431	35.5	0.53	2.13
	Urban Restricted Access	186,335	59.8	0.09	0.64
	Urban Unrestricted Access	408,348	32.7	0.26	0.98
	Total	2,373,594	44.3	2.89	9.55

Appendix C-2-1
2004 Allentown-Bethlehem-Easton Area Emission Summary by Source Type
Summer Weekday (Tons/Day)

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Lehigh	Motorcycle	43,161	0.5%	0.24	2.1%	0.06	0.2%
	Passenger Car	4,586,667	53.2%	4.08	36.5%	5.80	19.9%
	Passenger Truck	2,339,435	27.1%	4.27	38.1%	6.08	20.8%
	Light Commercial Truck	779,532	9.0%	1.42	12.7%	2.35	8.0%
	Intercity Bus	12,443	0.1%	0.01	0.1%	0.29	1.0%
	Transit Bus	2,650	0.0%	0.00	0.0%	0.05	0.2%
	School Bus	11,994	0.1%	0.02	0.2%	0.13	0.4%
	Refuse Truck	6,275	0.1%	0.01	0.0%	0.11	0.4%
	Single Unit Short-haul Truck	260,350	3.0%	0.41	3.7%	1.99	6.8%
	Single Unit Long-haul Truck	34,223	0.4%	0.04	0.3%	0.22	0.8%
	Motor Home	14,954	0.2%	0.04	0.4%	0.11	0.4%
	Combination Short-haul Truck	224,036	2.6%	0.18	1.6%	4.75	16.3%
	Combination Long-haul Truck	308,927	3.6%	0.48	4.3%	7.27	24.9%
	Total		8,624,648	100.0%	11.19	100.0%	29.20

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Northampton	Motorcycle	30,065	0.5%	0.19	2.1%	0.04	0.2%
	Passenger Car	3,195,035	53.5%	3.41	37.2%	4.36	21.1%
	Passenger Truck	1,629,628	27.3%	3.58	39.0%	4.57	22.1%
	Light Commercial Truck	543,018	9.1%	1.19	12.9%	1.77	8.6%
	Intercity Bus	8,419	0.1%	0.01	0.1%	0.19	0.9%
	Transit Bus	1,133	0.0%	0.00	0.0%	0.02	0.1%
	School Bus	1,136	0.0%	0.00	0.0%	0.01	0.1%
	Refuse Truck	4,161	0.1%	0.00	0.0%	0.08	0.4%
	Single Unit Short-haul Truck	172,433	2.9%	0.28	3.1%	1.33	6.5%
	Single Unit Long-haul Truck	22,654	0.4%	0.02	0.3%	0.15	0.7%
	Motor Home	9,913	0.2%	0.03	0.3%	0.07	0.3%
	Combination Short-haul Truck	148,373	2.5%	0.12	1.4%	3.17	15.3%
	Combination Long-haul Truck	204,618	3.4%	0.33	3.6%	4.88	23.6%
	Total		5,970,586	100.0%	9.18	100.0%	20.63

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Carbon	Motorcycle	11,411	0.5%	0.05	1.9%	0.02	0.2%
	Passenger Car	1,212,671	51.1%	1.03	35.6%	1.62	17.0%
	Passenger Truck	618,420	26.1%	1.05	36.4%	1.66	17.4%
	Light Commercial Truck	206,205	8.7%	0.35	12.0%	0.62	6.5%
	Intercity Bus	3,895	0.2%	0.00	0.1%	0.09	1.0%
	Transit Bus	203	0.0%	0.00	0.0%	0.00	0.0%
	School Bus	1,090	0.0%	0.00	0.1%	0.01	0.1%
	Refuse Truck	2,387	0.1%	0.00	0.1%	0.05	0.5%
	Single Unit Short-haul Truck	98,052	4.1%	0.15	5.0%	0.75	7.8%
	Single Unit Long-haul Truck	12,882	0.5%	0.01	0.4%	0.08	0.9%
	Motor Home	5,630	0.2%	0.01	0.5%	0.04	0.4%
	Combination Short-haul Truck	84,485	3.6%	0.06	2.2%	1.84	19.3%
	Combination Long-haul Truck	116,263	4.9%	0.16	5.7%	2.77	29.0%
	Total		2,373,594	100.0%	2.89	100.0%	9.55

Appendix C-2-1
2004 Allentown-Bethlehem-Easton Area Emission Summary by Process
Summer Weekday (Tons/Day)

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Lehigh	Running Exhaust	3.83	34.3%	24.93	85.4%
	Start Exhaust	4.00	35.8%	3.46	11.8%
	Evap Permeation	0.58	5.2%	0.00	0.0%
	Evap Fuel Vapor Venting	2.12	19.0%	0.00	0.0%
	Evap Fuel Leaks	0.31	2.7%	0.00	0.0%
	Crankcase Running Exhaust	0.05	0.5%	0.01	0.0%
	Crankcase Start Exhaust	0.05	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.24	2.1%	0.81	2.8%
	Total		11.19	100.0%	29.20

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Northampton	Running Exhaust	2.71	29.5%	16.90	81.9%
	Start Exhaust	3.65	39.7%	3.15	15.3%
	Evap Permeation	0.53	5.7%	0.00	0.0%
	Evap Fuel Vapor Venting	1.77	19.3%	0.00	0.0%
	Evap Fuel Leaks	0.26	2.9%	0.00	0.0%
	Crankcase Running Exhaust	0.04	0.4%	0.00	0.0%
	Crankcase Start Exhaust	0.05	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.17	1.9%	0.57	2.8%
	Total		9.18	100.0%	20.63

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Carbon	Running Exhaust	1.08	37.5%	8.44	88.3%
	Start Exhaust	0.98	34.1%	0.83	8.7%
	Evap Permeation	0.12	4.3%	0.00	0.0%
	Evap Fuel Vapor Venting	0.51	17.7%	0.00	0.0%
	Evap Fuel Leaks	0.07	2.6%	0.00	0.0%
	Crankcase Running Exhaust	0.02	0.5%	0.00	0.0%
	Crankcase Start Exhaust	0.01	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.1%	0.00	0.0%
	Extended Idle Exhaust	0.08	2.8%	0.28	2.9%
	Total		2.89	100.0%	9.55

Appendix C-2-2
2009 Allentown-Bethlehem-Easton Area Emission Summary
Summer Weekday (Tons/Day)

County	VMT	Speed (mph)	VOC	NOX
Lehigh	8,852,111	39.7	9.50	21.73
Northampton	6,104,510	39.0	7.97	15.75
Lehigh Valley MPO	14,956,621	-	17.47	37.48
Carbon	2,309,692	43.6	2.36	6.60

Appendix C-2-2
2009 Allentown-Bethlehem-Easton Area Emission Summary by Road Type
Summer Weekday (Tons/Day)

County	Road Type	VMT	Speed (mph)	VOC	NOX
Lehigh	Off-Network	-	-	6.10	4.00
	Rural Restricted Access	297,403	64.9	0.10	1.02
	Rural Unrestricted Access	862,445	39.2	0.32	1.54
	Urban Restricted Access	3,002,383	56.4	1.01	7.21
	Urban Unrestricted Access	4,689,880	32.8	1.98	7.96
	Total	8,852,111	39.7	9.50	21.73

County	Road Type	VMT	Speed (mph)	VOC	NOX
Northampton	Off-Network	-	-	5.59	3.53
	Rural Restricted Access	0	0.0	0.00	0.00
	Rural Unrestricted Access	1,103,637	43.2	0.38	1.94
	Urban Restricted Access	1,817,577	57.4	0.61	4.57
	Urban Unrestricted Access	3,183,297	32.1	1.40	5.70
	Total	6,104,510	39.0	7.97	15.75

County	Road Type	VMT	Speed (mph)	VOC	NOX
Carbon	Off-Network	-	-	1.49	1.05
	Rural Restricted Access	886,709	64.8	0.30	2.89
	Rural Unrestricted Access	844,126	35.4	0.35	1.55
	Urban Restricted Access	165,623	59.8	0.05	0.39
	Urban Unrestricted Access	413,233	32.5	0.17	0.72
	Total	2,309,692	43.6	2.36	6.60

Appendix C-2-2
2009 Allentown-Bethlehem-Easton Area Emission Summary by Source Type
Summer Weekday (Tons/Day)

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Lehigh	Motorcycle	44,475	0.5%	0.28	2.9%	0.03	0.2%
	Passenger Car	4,726,319	53.4%	2.62	27.6%	3.66	16.9%
	Passenger Truck	2,402,228	27.1%	4.35	45.8%	6.14	28.2%
	Light Commercial Truck	811,703	9.2%	1.40	14.7%	2.29	10.5%
	Intercity Bus	13,747	0.2%	0.01	0.1%	0.23	1.1%
	Transit Bus	2,332	0.0%	0.00	0.0%	0.03	0.1%
	School Bus	10,855	0.1%	0.01	0.1%	0.09	0.4%
	Refuse Truck	6,907	0.1%	0.00	0.0%	0.08	0.4%
	Single Unit Short-haul Truck	256,338	2.9%	0.29	3.0%	1.37	6.3%
	Single Unit Long-haul Truck	34,233	0.4%	0.03	0.3%	0.16	0.7%
	Motor Home	15,231	0.2%	0.03	0.4%	0.09	0.4%
	Combination Short-haul Truck	223,605	2.5%	0.12	1.3%	2.84	13.1%
	Combination Long-haul Truck	304,137	3.4%	0.36	3.7%	4.73	21.8%
	Total		8,852,111	100.0%	9.50	100.0%	21.73

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Northampton	Motorcycle	30,710	0.5%	0.24	3.0%	0.02	0.1%
	Passenger Car	3,263,531	53.5%	2.24	28.1%	2.76	17.5%
	Passenger Truck	1,658,741	27.2%	3.70	46.5%	4.63	29.4%
	Light Commercial Truck	560,483	9.2%	1.18	14.9%	1.72	10.9%
	Intercity Bus	9,099	0.1%	0.01	0.1%	0.15	1.0%
	Transit Bus	958	0.0%	0.00	0.0%	0.01	0.1%
	School Bus	967	0.0%	0.00	0.0%	0.01	0.0%
	Refuse Truck	4,737	0.1%	0.00	0.0%	0.05	0.3%
	Single Unit Short-haul Truck	176,948	2.9%	0.20	2.5%	0.95	6.0%
	Single Unit Long-haul Truck	23,617	0.4%	0.02	0.2%	0.11	0.7%
	Motor Home	10,509	0.2%	0.02	0.3%	0.06	0.4%
	Combination Short-haul Truck	154,368	2.5%	0.09	1.1%	1.97	12.5%
	Combination Long-haul Truck	209,843	3.4%	0.26	3.2%	3.30	21.0%
	Total		6,104,510	100.0%	7.97	100.0%	15.75

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Carbon	Motorcycle	11,147	0.5%	0.06	2.5%	0.01	0.1%
	Passenger Car	1,184,570	51.3%	0.66	28.1%	1.01	15.3%
	Passenger Truck	602,180	26.1%	1.03	43.6%	1.57	23.9%
	Light Commercial Truck	203,337	8.8%	0.33	13.9%	0.57	8.7%
	Intercity Bus	3,853	0.2%	0.00	0.1%	0.07	1.0%
	Transit Bus	163	0.0%	0.00	0.0%	0.00	0.0%
	School Bus	915	0.0%	0.00	0.1%	0.01	0.1%
	Refuse Truck	2,507	0.1%	0.00	0.1%	0.03	0.4%
	Single Unit Short-haul Truck	92,581	4.0%	0.10	4.1%	0.49	7.4%
	Single Unit Long-haul Truck	12,349	0.5%	0.01	0.4%	0.06	0.9%
	Motor Home	5,497	0.2%	0.01	0.5%	0.03	0.5%
	Combination Short-haul Truck	80,778	3.5%	0.04	1.7%	1.04	15.8%
	Combination Long-haul Truck	109,815	4.8%	0.12	4.9%	1.70	25.8%
	Total		2,309,692	100.0%	2.36	100.0%	6.60

Appendix C-2-2
2009 Allentown-Bethlehem-Easton Area Emission Summary by Process
Summer Weekday (Tons/Day)

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Lehigh	Running Exhaust	2.59	27.3%	17.72	81.6%
	Start Exhaust	3.54	37.3%	3.22	14.8%
	Evap Permeation	0.75	7.9%	0.00	0.0%
	Evap Fuel Vapor Venting	1.88	19.8%	0.00	0.0%
	Evap Fuel Leaks	0.46	4.9%	0.00	0.0%
	Crankcase Running Exhaust	0.04	0.4%	0.00	0.0%
	Crankcase Start Exhaust	0.05	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.19	2.0%	0.79	3.6%
	Total		9.50	100.0%	21.73

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Northampton	Running Exhaust	1.81	22.7%	12.22	77.6%
	Start Exhaust	3.25	40.8%	2.96	18.8%
	Evap Permeation	0.69	8.7%	0.00	0.0%
	Evap Fuel Vapor Venting	1.61	20.2%	0.00	0.0%
	Evap Fuel Leaks	0.40	5.0%	0.00	0.0%
	Crankcase Running Exhaust	0.03	0.3%	0.00	0.0%
	Crankcase Start Exhaust	0.04	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.14	1.7%	0.57	3.6%
	Total		7.97	100.0%	15.75

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Carbon	Running Exhaust	0.68	29.0%	5.55	84.1%
	Start Exhaust	0.91	38.5%	0.79	12.0%
	Evap Permeation	0.16	6.6%	0.00	0.0%
	Evap Fuel Vapor Venting	0.43	18.1%	0.00	0.0%
	Evap Fuel Leaks	0.10	4.4%	0.00	0.0%
	Crankcase Running Exhaust	0.01	0.4%	0.00	0.0%
	Crankcase Start Exhaust	0.01	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.06	2.5%	0.26	3.9%
	Total		2.36	100.0%	6.60

Appendix C-2-3
2018 Allentown-Bethlehem-Easton Area Emission Summary
Summer Weekday (Tons/Day)

County	VMT	Speed (mph)	VOC	NOX
Lehigh	10,651,452	35.5	5.14	10.79
Northampton	7,671,550	37.0	4.39	7.92
Lehigh Valley MPO	18,323,002	-	9.53	18.71
Carbon	2,937,759	43.3	1.30	3.24

Appendix C-2-3
2018 Allentown-Bethlehem-Easton Area Emission Summary by Road Type
Summer Weekday (Tons/Day)

County	Road Type	VMT	Speed (mph)	VOC	NOX
Lehigh	Off-Network	-	-	3.69	2.96
	Rural Restricted Access	383,647	64.4	0.04	0.44
	Rural Unrestricted Access	964,369	39.0	0.12	0.60
	Urban Restricted Access	3,752,698	41.9	0.49	3.35
	Urban Unrestricted Access	5,550,738	30.9	0.80	3.43
	Total	10,651,452	35.5	5.14	10.79

County	Road Type	VMT	Speed (mph)	VOC	NOX
Northampton	Off-Network	-	-	3.37	2.50
	Rural Restricted Access	0	0.0	0.00	0.00
	Rural Unrestricted Access	1,396,686	42.6	0.16	0.86
	Urban Restricted Access	2,271,828	54.5	0.27	1.97
	Urban Unrestricted Access	4,003,036	30.1	0.60	2.59
	Total	7,671,550	37.0	4.39	7.92

County	Road Type	VMT	Speed (mph)	VOC	NOX
Carbon	Off-Network	-	-	0.92	0.79
	Rural Restricted Access	1,143,788	64.8	0.13	1.27
	Rural Unrestricted Access	1,067,248	35.2	0.15	0.69
	Urban Restricted Access	207,042	59.8	0.02	0.17
	Urban Unrestricted Access	519,681	31.6	0.07	0.32
	Total	2,937,759	43.3	1.30	3.24

Appendix C-2-3
2018 Allentown-Bethlehem-Easton Area Emission Summary by Source Type
Summer Weekday (Tons/Day)

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Lehigh	Motorcycle	53,422	0.5%	0.31	6.1%	0.03	0.3%
	Passenger Car	5,677,127	53.3%	1.26	24.5%	1.38	12.8%
	Passenger Truck	2,885,515	27.1%	2.32	45.1%	3.29	30.5%
	Light Commercial Truck	974,973	9.2%	0.77	14.9%	1.38	12.8%
	Intercity Bus	15,805	0.1%	0.01	0.1%	0.12	1.1%
	Transit Bus	3,007	0.0%	0.00	0.0%	0.02	0.2%
	School Bus	14,029	0.1%	0.01	0.1%	0.06	0.6%
	Refuse Truck	9,064	0.1%	0.00	0.0%	0.03	0.3%
	Single Unit Short-haul Truck	312,541	2.9%	0.15	3.0%	0.74	6.9%
	Single Unit Long-haul Truck	41,707	0.4%	0.02	0.4%	0.10	0.9%
	Motor Home	19,020	0.2%	0.02	0.4%	0.07	0.6%
	Combination Short-haul Truck	274,954	2.6%	0.04	0.9%	1.00	9.3%
	Combination Long-haul Truck	370,288	3.5%	0.23	4.4%	2.57	23.8%
	Total		10,651,452	100.0%	5.14	100.0%	10.79

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Northampton	Motorcycle	38,602	0.5%	0.27	6.2%	0.02	0.3%
	Passenger Car	4,102,234	53.5%	1.10	25.1%	1.07	13.5%
	Passenger Truck	2,085,042	27.2%	2.02	46.0%	2.53	32.0%
	Light Commercial Truck	704,507	9.2%	0.66	15.1%	1.04	13.2%
	Intercity Bus	11,217	0.1%	0.00	0.1%	0.08	1.0%
	Transit Bus	1,301	0.0%	0.00	0.0%	0.01	0.1%
	School Bus	1,305	0.0%	0.00	0.0%	0.01	0.1%
	Refuse Truck	6,416	0.1%	0.00	0.0%	0.02	0.3%
	Single Unit Short-haul Truck	221,229	2.9%	0.11	2.5%	0.52	6.5%
	Single Unit Long-haul Truck	29,512	0.4%	0.01	0.3%	0.07	0.9%
	Motor Home	13,467	0.2%	0.02	0.4%	0.05	0.6%
	Combination Short-haul Truck	194,643	2.5%	0.03	0.7%	0.70	8.9%
	Combination Long-haul Truck	262,074	3.4%	0.16	3.6%	1.80	22.7%
	Total		7,671,550	100.0%	4.39	100.0%	7.92

County	Sourcetype	VMT		VOC		NOX	
		Miles	Pct.	Emissions	Pct.	Emissions	Pct.
Carbon	Motorcycle	14,168	0.5%	0.07	5.1%	0.01	0.3%
	Passenger Car	1,505,633	51.3%	0.34	26.6%	0.40	12.5%
	Passenger Truck	765,410	26.1%	0.55	42.8%	0.85	26.1%
	Light Commercial Truck	258,431	8.8%	0.18	13.9%	0.34	10.5%
	Intercity Bus	4,845	0.2%	0.00	0.1%	0.04	1.1%
	Transit Bus	218	0.0%	0.00	0.0%	0.00	0.0%
	School Bus	1,234	0.0%	0.00	0.0%	0.01	0.2%
	Refuse Truck	3,417	0.1%	0.00	0.0%	0.01	0.3%
	Single Unit Short-haul Truck	117,955	4.0%	0.05	3.9%	0.27	8.3%
	Single Unit Long-haul Truck	15,749	0.5%	0.01	0.5%	0.04	1.1%
	Motor Home	7,177	0.2%	0.01	0.6%	0.03	0.8%
	Combination Short-haul Truck	103,742	3.5%	0.01	1.1%	0.37	11.5%
	Combination Long-haul Truck	139,780	4.8%	0.07	5.3%	0.89	27.4%
	Total		2,937,759	100.0%	1.30	100.0%	3.24

Appendix C-2-3
2018 Allentown-Bethlehem-Easton Area Emission Summary by Process
Summer Weekday (Tons/Day)

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Lehigh	Running Exhaust	1.03	20.0%	7.83	72.6%
	Start Exhaust	2.08	40.5%	1.94	18.0%
	Evap Permeation	0.46	9.0%	0.00	0.0%
	Evap Fuel Vapor Venting	0.79	15.3%	0.00	0.0%
	Evap Fuel Leaks	0.58	11.3%	0.00	0.0%
	Crankcase Running Exhaust	0.01	0.3%	0.00	0.0%
	Crankcase Start Exhaust	0.03	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.16	3.1%	1.02	9.4%
	Total		5.14	100.0%	10.79

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Northampton	Running Exhaust	0.73	16.5%	5.42	68.5%
	Start Exhaust	1.92	43.6%	1.79	22.6%
	Evap Permeation	0.43	9.7%	0.00	0.0%
	Evap Fuel Vapor Venting	0.68	15.5%	0.00	0.0%
	Evap Fuel Leaks	0.50	11.3%	0.00	0.0%
	Crankcase Running Exhaust	0.01	0.2%	0.00	0.0%
	Crankcase Start Exhaust	0.03	0.6%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.11	2.5%	0.71	8.9%
	Total		4.39	100.0%	7.92

County	Process	VOC		NOX	
		Emissions	Pct.	Emissions	Pct.
Carbon	Running Exhaust	0.29	22.1%	2.45	75.6%
	Start Exhaust	0.54	41.7%	0.48	14.9%
	Evap Permeation	0.09	7.2%	0.00	0.0%
	Evap Fuel Vapor Venting	0.19	14.7%	0.00	0.0%
	Evap Fuel Leaks	0.13	9.8%	0.00	0.0%
	Crankcase Running Exhaust	0.00	0.3%	0.00	0.0%
	Crankcase Start Exhaust	0.01	0.5%	0.00	0.0%
	Crankcase Extended Idle Exhaust	0.00	0.0%	0.00	0.0%
	Extended Idle Exhaust	0.05	3.6%	0.31	9.5%
	Total		1.30	100.0%	3.24