

Appendix 5

Non-Road Engine Emission Inventory Tables

TABLE 5-1
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
TWO-STROKE GASOLINE EQUIPMENT								
22-60-004-025	Trimmers/Edgers/Brush Cutters	9,060	0.0178	8,899	0.95	8,454	0.0081	8,384
22-60-004-010	Lawn Mowers	21,100	0.0178	20,724	0.95	19,688	0.0081	19,526
22-60-004-030	Leaf Blowers/Vacuums	2,400	0.0178	2,357	0.95	2,239	0.0081	2,221
22-60-004-040	Rear Engine Riding Mowers	0	0.0178	0	0.95	0	0.0081	0
22-60-004-045	Front Mowers	0	0.0178	0	0.95	0	0.0081	0
22-60-004-020	Chainsaws <4 HP	5,380	0.0178	5,284	1	5,284	0.0081	5,241
22-60-004-050	Shredders <5 HP	0	0.0178	0	1	0	0.0081	0
22-60-004-015	Tillers <5 HP	40	0.0178	39	1	39	0.0081	39
22-60-044-055	Lawn & Garden Tractors	0	0.0178	0	0.95	0	0.0081	0
22-60-004-060	Wood Splitters	0	0.0178	0	1	0	0.0081	0
22-60-004-065	Chippers/Stump Grinders	0	0.0178	0	1	0	0.0081	0
22-60-004-070	Commercial Turf Equipment	0	0.0178	0	1.16	0	0.0081	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-60-004-075	Other Lawn & Garden Equipment	220	0.0178	216	0.95	205	0.0081	204
22-60-008-005	Aircraft Support Equipment	0	0.0178	0	1.06	0	0.0081	0
22-60-008-010	Terminal Tractors	0	0.0178	0	1.06	0	0.0081	0
22-60-001-030	All Terrain Vehicles (ATVs)	360	0.0178	354	1	354	0.0081	351
22-60-001-040	Minibikes	0	0.0178	0	1	0	0.0081	0
22-60-001-010	Off-Road Motorcycles	380	0.0178	373	1	373	0.0081	370
22-60-001-050	Golf Carts	640	0.0178	629	1.16	729	0.0081	723
22-60-001-060	Specialty Vehicles Carts	300	0.0178	295	1.16	342	0.0081	339
22-60-006-005	Generator Sets <50 HP	380	0.0178	373	0.95	355	0.0081	352
22-60-006-010	Pumps <50 HP	80	0.0178	79	0.95	75	0.0081	74
22-60-006-015	Air Compressors <50 HP	0	0.0178	0	0.95	0	0.0081	0
22-60-006-020	Gas Compressors <50 HP	20	0.0178	20	0.95	19	0.0081	19
22-60-006-025	Welders <50 HP	0	0.0178	0	0.95	0	0.0081	0
22-60-006-030	Pressure Washers <50 HP	0	0.0178	0	0.95	0	0.0081	0
22-60-003-010	Aerial Lifts	0	0.0178	0	0.95	0	0.0081	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-60-003-020	Forklifts	500	0.0178	491	0.95	467	0.0081	463
22-60-003-030	Sweepers/Scrubbers	40	0.0178	39	0.95	37	0.0081	37
22-60-003-040	Other General Industrial Equipment	240	0.0178	236	0.95	224	0.0081	222
22-60-003-050	Other Material Handling Equipment	0	0.0178	0	0.95	0	0.0081	0
22-60-002-003	Asphalt Pavers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-006	Tampers/Rammers	380	0.0178	373	0.95	355	0.0081	352
22-60-002-009	Plate Compactors	1,240	0.0178	1,218	0.95	1,157	0.0081	1,147
22-60-002-012	Concrete Pavers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-015	Rollers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-018	Scrapers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-021	Paving Equipment	400	0.0178	393	0.95	373	0.0081	370
22-60-002-024	Surfacing Equipment	0	0.0178	0	0.95	0	0.0081	0
22-60-002-027	Signal Boards	0	0.0178	0	0.95	0	0.0081	0
22-60-002-030	Trenchers	0	0.0178	0	0.95	0	0.0081	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-60-002-033	Bore/Drill Rigs	20	0.0178	20	0.95	19	0.0081	19
22-60-002-036	Excavators	0	0.0178	0	0.95	0	0.0081	0
22-60-002-039	Concrete/Industrial Saws	0	0.0178	0	0.95	0	0.0081	0
22-60-002-042	Cement and Mortar Mixers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-045	Cranes	0	0.0178	0	0.95	0	0.0081	0
22-60-002-048	Graders	0	0.0178	0	0.95	0	0.0081	0
22-60-002-051	Off-Highway Trucks	0	0.0178	0	0.95	0	0.0081	0
22-60-002-054	Crushing/Proc. Equipment	0	0.0178	0	0.95	0	0.0081	0
22-60-002-057	Rough Terrain Forklifts	0	0.0178	0	0.95	0	0.0081	0
22-60-002-060	Rubber Tired Loaders	0	0.0178	0	0.95	0	0.0081	0
22-60-002-063	Rubber Tired Dozers	0	0.0178	0	0.95	0	0.0081	0
22-60-002-066	Tractors/Loaders/Backhoes	0	0.0178	0	0.95	0	0.0081	0
22-60-002-069	Crawler Tractors	0	0.0178	0	0.95	0	0.0081	0
22-60-002-072	Skid Steer Loaders	0	0.0178	0	0.95	0	0.0081	0
22-60-002-075	Off-Highway Tractors	0	0.0178	0	0.95	0	0.0081	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-60-002-078	Dumpers/Tenders	0	0.0178	0	0.95	0	0.0081	0
22-60-002-081	Other Construction Equipment	0	0.0178	0	0.95	0	0.0081	0
22-60-005-010	2-Wheel Tractors	0	0.0178	0	0.85	0	0.0081	0
22-60-005-015	Agricultural Tractors	0	0.0178	0	0.85	0	0.0081	0
22-60-005-030	Agricultural Mowers	0	0.0178	0	0.85	0	0.0081	0
22-60-005-020	Combines	0	0.0178	0	0.85	0	0.0081	0
22-60-005-035	Sprayers	0	0.0178	0	0.85	0	0.0081	0
22-60-005-025	Balers	0	0.0178	0	0.85	0	0.0081	0
22-60-005-040	Tillers >5 HP	0	0.0178	0	0.85	0	0.0081	0
22-60-005-045	Swathers	0	0.0178	0	0.85	0	0.0081	0
22-60-005-050	Hydro Power Units	0	0.0178	0	0.85	0	0.0081	0
22-60-005-055	Other Agricultural Equipment	0	0.0178	0	0.85	0	0.0081	0
22-60-007-005	Chainsaws >4 HP	120	0.0178	118	1.16	137	0.0081	136
22-60-007-010	Shredders >5 HP	0	0.0178	0	1.16	0	0.0081	0
22-60-007-015	Skidders	0	0.0178	0	1.16	0	0.0081	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-60-007-020	Fellers/Bunchers	0	0.0178	0	1.16	0	0.0081	0
		43,300		42,529		40,924		40,586
FOUR-STROKE GASOLINE EQUIPMENT								
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.0588	0	0.95	0	0.0119	0
22-65-004-010	Lawn Mowers	31,800	0.0588	29,930	0.95	28,434	0.0119	28,074
22-65-004-030	Leaf Blowers/Vacuums	0	0.0588	0	0.95	0	0.0119	0
22-65-004-040	Rear Engine Riding Mowers	420	0.0588	395	0.95	376	0.0119	371
22-65-004-045	Front Mowers	160	0.0588	151	0.95	143	0.0119	141
22-65-004-020	Chainsaws <4 HP	0	0.0588	0	1	0	0.0119	0
22-65-004-050	Shredders <5 HP	20	0.0588	19	1	19	0.0119	19
22-65-004-015	Tillers <5 HP	1,960	0.0588	1,845	1	1,845	0.0119	1,821
22-65-044-055	Lawn & Garden Tractors	6,940	0.0588	6,532	0.95	6,205	0.0119	6,127
22-65-004-060	Wood Splitters	260	0.0588	245	1	245	0.0119	242
22-65-004-065	Chippers/Stump Grinders	1,560	0.0588	1,468	1	1,468	0.0119	1,450

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-65-004-070	Commercial Turf Equipment	6,140	0.0588	5,779	1.16	6,704	0.0119	6,619
22-65-004-075	Other Lawn & Garden Equipment	120	0.0588	113	0.95	107	0.0119	106
22-65-008-005	Aircraft Support Equipment	80	0.0588	75	1.06	80	0.0119	79
22-65-008-010	Terminal Tractors	560	0.0588	527	1.06	559	0.0119	552
22-65-001-030	All Terrain Vehicles (ATVs)	700	0.0588	659	1	659	0.0119	651
22-65-001-040	Minibikes	20	0.0588	19	1	19	0.0119	19
22-65-001-010	Off-Road Motorcycles	20	0.0588	19	1	19	0.0119	19
22-65-001-050	Golf Carts	420	0.0588	395	1.16	459	0.0119	453
22-65-001-060	Specialty Vehicles Carts	40	0.0588	38	1.16	44	0.0119	43
22-65-006-005	Generator Sets <50 HP	3,200	0.0588	3,012	0.95	2,861	0.0119	2,825
22-65-006-010	Pumps <50 HP	880	0.0588	828	0.95	787	0.0119	777
22-65-006-015	Air Compressors <50 HP	540	0.0588	508	0.95	483	0.0119	477
22-65-006-020	Gas Compressors <50 HP	0	0.0588	0	0.95	0	0.0119	0
22-65-006-025	Welders <50 HP	900	0.0588	847	0.95	805	0.0119	795
22-65-006-030	Pressure Washers <50 HP	300	0.0588	282	0.95	268	0.0119	265

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-65-003-010	Aerial Lifts	100	0.0588	94	0.95	89	0.0119	88
22-65-003-020	Forklifts	1,140	0.0588	1,073	0.95	1,019	0.0119	1,006
22-65-003-030	Sweepers/Scrubbers	160	0.0588	151	0.95	143	0.0119	141
22-65-003-040	Other General Industrial Equipment	120	0.0588	113	0.95	107	0.0119	106
22-65-003-050	Other Material Handling Equipment	20	0.0588	19	0.95	18	0.0119	18
22-65-002-003	Asphalt Pavers	40	0.0588	38	0.95	36	0.0119	35
22-65-002-006	Tampers/Rammers	0	0.0588	0	0.95	0	0.0119	0
22-65-002-009	Plate Compactors	260	0.0588	245	0.95	232	0.0119	230
22-65-002-012	Concrete Pavers	0	0.0588	0	0.95	0	0.0119	0
22-65-002-015	Rollers	340	0.0588	320	0.95	304	0.0119	300
22-65-002-018	Scrapers	0	0.0588	0	0.95	0	0.0119	0
22-65-002-021	Paving Equipment	380	0.0588	358	0.95	340	0.0119	335
22-65-002-024	Surfacing Equipment	120	0.0588	113	0.95	107	0.0119	106
22-65-002-027	Signal Boards	0	0.0588	0	0.95	0	0.0119	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-65-002-030	Trenchers	260	0.0588	245	0.95	232	0.0119	230
22-65-002-033	Bore/Drill Rigs	60	0.0588	56	0.95	54	0.0119	53
22-65-002-036	Excavators	0	0.0588	0	0.95	0	0.0119	0
22-65-002-039	Concrete/Industrial Saws	420	0.0588	395	0.95	376	0.0119	371
22-65-002-042	Cement and Mortar Mixers	180	0.0588	169	0.95	161	0.0119	159
22-65-002-045	Cranes	40	0.0588	38	0.95	36	0.0119	35
22-65-002-048	Graders	0	0.0588	0	0.95	0	0.0119	0
22-65-002-051	Off-Highway Trucks	0	0.0588	0	0.95	0	0.0119	0
22-65-002-054	Crushing/Proc. Equipment	20	0.0588	19	0.95	18	0.0119	18
22-65-002-057	Rough Terrain Forklifts	80	0.0588	75	0.95	72	0.0119	71
22-65-002-060	Rubber Tired Loaders	80	0.0588	75	0.95	72	0.0119	71
22-65-002-063	Rubber Tired Dozers	0	0.0588	0	0.95	0	0.0119	0
22-65-002-066	Tractors/Loaders/Backhoes	40	0.0588	38	0.95	36	0.0119	35
22-65-002-069	Crawler Tractors	0	0.0588	0	0.95	0	0.0119	0
22-65-002-072	Skid Steer Loaders	220	0.0588	207	0.95	197	0.0119	194

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-65-002-075	Off-Highway Tractors	0	0.0588	0	0.95	0	0.0119	0
22-65-002-078	Dumpers/Tenders	20	0.0588	19	0.95	18	0.0119	18
22-65-002-081	Other Construction Equipment	40	0.0588	38	0.95	36	0.0119	35
22-65-005-010	2-Wheel Tractors	0	0.0588	0	0.85	0	0.0119	0
22-65-005-015	Agricultural Tractors	0	0.0588	0	0.85	0	0.0119	0
22-65-005-030	Agricultural Mowers	0	0.0588	0	0.85	0	0.0119	0
22-65-005-020	Combines	0	0.0588	0	0.85	0	0.0119	0
22-65-005-035	Sprayers	0	0.0588	0	0.85	0	0.0119	0
22-65-005-025	Balers	0	0.0588	0	0.85	0	0.0119	0
22-65-005-040	Tillers >5 HP	40	0.0588	38	0.85	32	0.0119	32
22-65-005-045	Swathers	0	0.0588	0	0.85	0	0.0119	0
22-65-005-050	Hydro Power Units	0	0.0588	0	0.85	0	0.0119	0
22-65-005-055	Other Agricultural Equipment	0	0.0588	0	0.85	0	0.0119	0
22-65-007-005	Chainsaws >4 HP	0	0.0588	0	1.16	0	0.0119	0
22-65-007-010	Shredders >5 HP	0	0.0588	0	1.16	0	0.0119	0

TABLE 5-1 - CONTINUED
1996 NONROAD EQUIPMENT VOC EMISSIONS
RVP EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	Control Factor - RVP- uncreditable	1996 Adjusted EI (ppd)	1996 Growth Factor (ppd)	1996 Grown with uncreditable RVP	Control Factor - RVP credit	1996 Emissions Controlled with RVP
22-65-007-015	Skidders	0	0.0588	0	1.16	0	0.0119	0
22-65-007-020	Fellers/Bunchers	0	0.0588	0	1.16	0	0.0119	0
		61,220		57,620		56,320		55,608
Total		104,520		100,150		97,244		96,194

TABLE 5-2
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
TWO-STROKE GASOLINE EQUIPMENT						
22-60-004-025	Trimmers/Edgers/Brush Cutters	9060	0.95	8384	0.0317	8118
22-60-004-010	Lawn Mowers	21100	0.95	19526	0.0317	18907
22-60-004-030	Leaf Blowers/Vacuums	2400	0.95	2221	0.0317	2151
22-60-004-040	Rear Engine Riding Mowers	0	0.95	0	0.0317	0
22-60-004-045	Front Mowers	0	0.95	0	0.0317	0
22-60-004-020	Chainsaws <4 HP	5380	1	5241	0.0317	5075
22-60-004-050	Shredders <5 HP	0	1	0	0.0317	0
22-60-004-015	Tillers <5 HP	40	1	39	0.0317	38
22-60-044-055	Lawn & Garden Tractors	0	0.95	0	0.0317	0
22-60-004-060	Wood Splitters	0	1	0	0.0317	0
22-60-004-065	Chippers/Stump Grinders	0	1	0	0.0317	0
22-60-004-070	Commercial Turf Equipment	0	1.16	0	0.0317	0
22-60-004-075	Other Lawn & Garden Equipment	220	0.95	204	0.0317	197
22-60-008-005	Aircraft Support Equipment	0	1.06	0	0.0317	0
22-60-008-010	Terminal Tractors	0	1.06	0	0.0317	0
22-60-001-030	All Terrain Vehicles (ATVs)	360	1	351	0.0317	340

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-60-001-040	Minibikes	0	1	0	0.0317	0
22-60-001-010	Off-Road Motorcycles	380	1	370	0.0317	358
22-60-001-050	Golf Carts	640	1.16	723	0.0317	700
22-60-001-060	Specialty Vehicles Carts	300	1.16	339	0.0317	328
22-60-006-005	Generator Sets <50 HP	380	0.95	352	0.0317	341
22-60-006-010	Pumps <50 HP	80	0.95	74	0.0317	72
22-60-006-015	Air Compressors <50 HP	0	0.95	0	0.0317	0
22-60-006-020	Gas Compressors <50 HP	20	0.95	19	0.0317	18
22-60-006-025	Welders <50 HP	0	0.95	0	0.0317	0
22-60-006-030	Pressure Washers <50 HP	0	0.95	0	0.0317	0
22-60-003-010	Aerial Lifts	0	0.95	0	0.0317	0
22-60-003-020	Forklifts	500	0.95	463	0.0317	448
22-60-003-030	Sweepers/Scrubbers	40	0.95	37	0.0317	36
22-60-003-040	Other General Industrial Equipment	240	0.95	222	0.0317	215
22-60-003-050	Other Material Handling Equipment	0	0.95	0	0.0317	0
22-60-002-003	Asphalt Pavers	0	0.95	0	0.0317	0
22-60-002-006	Tampers/Rammers	380	0.95	352	0.0317	341
22-60-002-009	Plate Compactors	1240	0.95	1147	0.0317	1111

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-60-002-012	Concrete Pavers	0	0.95	0	0.0317	0
22-60-002-015	Rollers	0	0.95	0	0.0317	0
22-60-002-018	Scrapers	.0	0.95	0	0.0317	0
22-60-002-021	Paving Equipment	400	0.95	370	0.0317	358
22-60-002-024	Surfacing Equipment	0	0.95	0	0.0317	0
22-60-002-027	Signal Boards	0	0.95	0	0.0317	0
22-60-002-030	Trenchers	0	0.95	0	0.0317	0
22-60-002-033	Bore/Drill Rigs	20	0.95	19	0.0317	18
22-60-002-036	Excavators	0	0.95	0	0.0317	0
22-60-002-039	Concrete/Industrial Saws	0	0.95	0	0.0317	0
22-60-002-042	Cement and Mortar Mixers	0	0.95	0	0.0317	0
22-60-002-045	Cranes	0	0.95	0	0.0317	0
22-60-002-048	Graders	0	0.95	0	0.0317	0
22-60-002-051	Off-Highway Trucks	0	0.95	0	0.0317	0
22-60-002-054	Crushing/Proc. Equipment	0	0.95	0	0.0317	0
22-60-002-057	Rough Terrain Forklifts	0	0.95	0	0.0317	0
22-60-002-060	Rubber Tired Loaders	0	0.95	0	0.0317	0
22-60-002-063	Rubber Tired Dozers	0	0.95	0	0.0317	0
22-60-002-066	Tractors/Loaders/Back hoes	0	0.95	0	0.0317	0
22-60-002-069	Crawler Tractors	0	0.95	0	0.0317	0
22-60-002-072	Skid Steer Loaders	0	0.95	0	0.0317	0

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-60-002-075	Off-Highway Tractors	0	0.95	0	0.0317	0
22-60-002-078	Dumpers/Tenders	0	0.95	0	0.0317	0
22-60-002-081	Other Construction Equipment	0	0.95	0	0.0317	0
22-60-005-010	2-Wheel Tractors	0	0.85	0	0.0317	0
22-60-005-015	Agricultural Tractors	0	0.85	0	0.0317	0
22-60-005-030	Agricultural Mowers	0	0.85	0	0.0317	0
22-60-005-020	Combines	0	0.85	0	0.0317	0
22-60-005-035	Sprayers	0	0.85	0	0.0317	0
22-60-005-025	Balers	0	0.85	0	0.0317	0
22-60-005-040	Tillers >5 HP	0	0.85	0	0.0317	0
22-60-005-045	Swathers	0	0.85	0	0.0317	0
22-60-005-050	Hydro Power Units	0	0.85	0	0.0317	0
22-60-005-055	Other Agricultural Equipment	0	0.85	0	0.0317	0
22-60-007-005	Chainsaws >4 HP	120	1.16	136	0.0317	131
22-60-007-010	Shredders >5 HP	0	1.16	0	0.0317	0
22-60-007-015	Skidders	0	1.16	0	0.0317	0
22-60-007-020	Fellers/Bunchers	0	1.16	0	0.0317	0
		43300		40586		39300
FOUR-STROKE GASOLINE EQUIPMENT						
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0	0.0284	0

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-65-004-010	Lawn Mowers	31800	0.95	28074	0.0284	27277
22-65-004-030	Leaf Blowers/Vacuums	0	0.95	0	0.0284	0
22-65-004-040	Rear Engine Riding Mowers	420	0.95	371	0.0284	360
22-65-004-045	Front Mowers	160	0.95	141	0.0284	137
22-65-004-020	Chainsaws <4 HP	0	1	0	0.0284	0
22-65-004-050	Shredders <5 HP	20	1	19	0.0284	18
22-65-004-015	Tillers <5 HP	1960	1	1821	0.0284	1770
22-65-044-055	Lawn & Garden Tractors	6940	0.95	6127	0.0284	5953
22-65-004-060	Wood Splitters	260	1	242	0.0284	235
22-65-004-065	Chippers/Stump Grinders	1560	1	1450	0.0284	1409
22-65-004-070	Commercial Turf Equipment	6140	1.16	6619	0.0284	6431
22-65-004-075	Other Lawn & Garden Equipment	120	0.95	106	0.0284	103
22-65-008-005	Aircraft Support Equipment	80	1.06	79	0.0284	77
22-65-008-010	Terminal Tractors	560	1.06	552	0.0284	536
22-65-001-030	All Terrain Vehicles (ATVs)	700	1	651	0.0284	632
22-65-001-040	Minibikes	20	1	19	0.0284	18
22-65-001-010	Off-Road Motorcycles	20	1	19	0.0284	18
22-65-001-050	Golf Carts	420	1.16	453	0.0284	440
22-65-001-060	Specialty Vehicles Carts	40	1.16	43	0.0284	42

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-65-006-005	Generator Sets <50 HP	3200	0.95	2825	0.0284	2745
22-65-006-010	Pumps <50 HP	880	0.95	777	0.0284	755
22-65-006-015	Air Compressors <50 HP	540	0.95	477	0.0284	463
22-65-006-020	Gas Compressors <50 HP	0	0.95	0	0.0284	0
22-65-006-025	Welders <50 HP	900	0.95	795	0.0284	772
22-65-006-030	Pressure Washers <50 HP	300	0.95	265	0.0284	257
22-65-003-010	Aerial Lifts	100	0.95	88	0.0284	86
22-65-003-020	Forklifts	1140	0.95	1006	0.0284	978
22-65-003-030	Sweepers/Scrubbers	160	0.95	141	0.0284	137
22-65-003-040	Other General Industrial Equipment	120	0.95	106	0.0284	103
22-65-003-050	Other Material Handling Equipment	20	0.95	18	0.0284	17
22-65-002-003	Asphalt Pavers	40	0.95	35	0.0284	34
22-65-002-006	Tampers/Rammers	0	0.95	0	0.0284	0
22-65-002-009	Plate Compactors	260	0.95	230	0.0284	223
22-65-002-012	Concrete Pavers	0	0.95	0	0.0284	0
22-65-002-015	Rollers	340	0.95	300	0.0284	292
22-65-002-018	Scrapers	0	0.95	0	0.0284	0
22-65-002-021	Paving Equipment	380	0.95	335	0.0284	326
22-65-002-024	Surfacing Equipment	120	0.95	106	0.0284	103

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-65-002-027	Signal Boards	0	0.95	0	0.0284	0
22-65-002-030	Trenchers	260	0.95	230	0.0284	223
22-65-002-033	Bore/Drill Rigs	60	0.95	53	0.0284	51
22-65-002-036	Excavators	0	0.95	0	0.0284	0
22-65-002-039	Concrete/Industrial Saws	420	0.95	371	0.0284	360
22-65-002-042	Cement and Mortar Mixers	180	0.95	159	0.0284	154
22-65-002-045	Cranes	40	0.95	35	0.0284	34
22-65-002-048	Graders	0	0.95	0	0.0284	0
22-65-002-051	Off-Highway Trucks	0	0.95	0	0.0284	0
22-65-002-054	Crushing/Proc. Equipment	20	0.95	18	0.0284	17
22-65-002-057	Rough Terrain Forklifts	80	0.95	71	0.0284	69
22-65-002-060	Rubber Tired Loaders	80	0.95	71	0.0284	69
22-65-002-063	Rubber Tired Dozers	0	0.95	0	0.0284	0
22-65-002-066	Tractors/Loaders/Back hoes	40	0.95	35	0.0284	34
22-65-002-069	Crawler Tractors	0	0.95	0	0.0284	0
22-65-002-072	Skid Steer Loaders	220	0.95	194	0.0284	189
22-65-002-075	Off-Highway Tractors	0	0.95	0	0.0284	0
22-65-002-078	Dumpers/Tenders	20	0.95	18	0.0284	17
22-65-002-081	Other Construction Equipment	40	0.95	35	0.0284	34
22-65-005-010	2-Wheel Tractors	0	0.85	0	0.0284	0

TABLE 5-2 - CONTINUED
NONROAD EQUIPMENT VOC EMISSIONS
RFG EFFECTS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI w/RVP (ppd)	Control Factor - RFG	1996 EI w/RFG (ppd)
22-65-005-015	Agricultural Tractors	0	0.85	0	0.0284	0
22-65-005-030	Agricultural Mowers	0	0.85	0	0.0284	0
22-65-005-020	Combines	0	0.85	0	0.0284	0
22-65-005-035	Sprayers	0	0.85	0	0.0284	0
22-65-005-025	Balers	0	0.85	0	0.0284	0
22-65-005-040	Tillers >5 HP	40	0.85	32	0.0284	31
22-65-005-045	Swathers	0	0.85	0	0.0284	0
22-65-005-050	Hydro Power Units	0	0.85	0	0.0284	0
22-65-005-055	Other Agricultural Equipment	0	0.85	0	0.0284	0
22-65-007-005	Chainsaws >4 HP	0	1.16	0	0.0284	0
22-65-007-010	Shredders >5 HP	0	1.16	0	0.0284	0
22-65-007-015	Skidders	0	1.16	0	0.0284	0
22-65-007-020	Fellers/Bunchers	0	1.16	0	0.0284	0
		61220		55608		54029
Totals		104520		96194		93328

TABLE 5-3
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS
(ASSUMES RVP IN PLACE - NO RFG)

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
TWO-STROKE GASOLINE EQUIPMENT							
22-60-004-025	Trimmers/Edgers/Brush Cutters	9060	0.95	0.045	0.0259	8007	0-Scape/small gas
22-60-004-010	Lawn Mowers	21100	0.95	0.045	0.0259	18647	0-Scape /small gas
22-60-004-030	Leaf Blowers/Vacuums	2400	0.95	0.045	0.0259	2121	0-Scape/ small gas
22-60-004-040	Rear Engine Riding Mowers	0	0.95	0.045	0.0259	0	0-Scape/ small gas
22-60-004-045	Front Mowers	0	0.95	0.045	0.0259	0	0-Scape/small gas
22-60-004-020	Chainsaws <4 HP	5380	1	0.045	0.0259	5005	Little Use/small gas
22-60-004-050	Shredders <5 HP	0	1	0.045	0.0259	0	Little Use/small gas
22-60-004-015	Tillers <5 HP	40	1	0.045	0.0259	37	Little Use/small gas
22-60-044-055	Lawn & Garden Tractors	0	0.95	0.045	0.0259	0	0-Scape/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-004-060	Wood Splitters	0	1	0.045	0.0259	0	Little Use/small gas
22-60-004-065	Chippers/Stump Grinders	0	1	0	0.0259	0	Little Use
22-60-004-070	Commercial Turf Equipment	0	1.16	0.045	0.0259	0	Population/small gas
22-60-004-075	Other Lawn & Garden Equipment	220	0.95	0.045	0.0259	194	0-Scape/small gas
22-60-008-005	Aircraft Support Equipment	0	1.06	0	0.0259	0	Aviation Operations
22-60-008-010	Terminal Tractors	0	1.06	0	0.0259	0	Aviation Operations
22-60-001-030	All Terrain Vehicles (ATVs)	360	1	0	0.0259	351	Rule 310
22-60-001-040	Minibikes	0	1	0	0.0259	0	Rule 310
22-60-001-010	Off-Road Motorcycles	380	1	0	0.0259	370	Rule 310
22-60-001-050	Golf Carts	640	1.16	0.045	0.0259	691	Population/small gas
22-60-001-060	Specialty Vehicles Carts	300	1.16	0.045	0.0259	324	Population/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-006-005	Generator Sets <50 HP	380	0.95	0.045	0.0259	336	Employment/small gas
22-60-006-010	Pumps <50 HP	80	0.95	0.045	0.0259	71	Employment/small gas
22-60-006-015	Air Compressors <50 HP	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-006-020	Gas Compressors <50 HP	20	0.95	0	0.0259	19	Employment
22-60-006-025	Welders <50 HP	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-006-030	Pressure Washers <50 HP	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-003-010	Aerial Lifts	0	0.95	0	0.0259	0	Employment
22-60-003-020	Forklifts	500	0.95	0	0.0259	463	Employment
22-60-003-030	Sweepers/Scrubbers	40	0.95	0	0.0259	37	Employment
22-60-003-040	Other General Industrial Equipment	240	0.95	0.045	0.0259	212	Employment/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-003-050	Other Material Handling Equipment	0	0.95	0	0.0259	0	Employment
22-60-002-003	Asphalt Pavers	0	0.95	0	0.0259	0	Employment
22-60-002-006	Tampers/Rammers	380	0.95	0.045	0.0259	336	Employment/small gas
22-60-002-009	Plate Compactors	1240	0.95	0.045	0.0259	1096	Employment/small gas
22-60-002-012	Concrete Pavers	0	0.95	0	0.0259	0	Employment
22-60-002-015	Rollers	0	0.95	0	0.0259	0	Employment
22-60-002-018	Scrapers	.0	0.95	0	0.0259	0	Employment
22-60-002-021	Paving Equipment	400	0.95	0.045	0.0259	354	Employment/small gas
22-60-002-024	Surfacing Equipment	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-002-027	Signal Boards	0	0.95	0.045	0.0259	0	Employment/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-002-030	Trenchers	0	0.95	0	0.0259	0	Employment
22-60-002-033	Bore/Drill Rigs	20	0.95	0	0.0259	19	Employment
22-60-002-036	Excavators	0	0.95	0	0.0259	0	Employment
22-60-002-039	Concrete/Industrial Saws	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-002-042	Cement and Mortar Mixers	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-002-045	Cranes	0	0.95	0	0.0259	0	Employment
22-60-002-048	Graders	0	0.95	0	0.0259	0	Employment
22-60-002-051	Off-Highway Trucks	0	0.95	0	0.0259	0	Employment
22-60-002-054	Crushing/Proc. Equipment	0	0.95	0	0.0259	0	Employment
22-60-002-057	Rough Terrain Forklifts	0	0.95	0	0.0259	0	Employment
22-60-002-060	Rubber Tired Loaders	0	0.95	0	0.0259	0	Employment
22-60-002-063	Rubber Tired Dozers	0	0.95	0	0.0259	0	Employment
22-60-002-066	Tractors/Loaders/Backhoes	0	0.95	0	0.0259	0	Employment

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-002-069	Crawler Tractors	0	0.95	0	0.0259	0	Employment
22-60-002-072	Skid Steer Loaders	0	0.95	0	0.0259	0	Employment
22-60-002-075	Off-Highway Tractors	0	0.95	0	0.0259	0	Employment
22-60-002-078	Dumpers/Tenders	0	0.95	0.045	0.0259	0	Employment/small gas
22-60-002-081	Other Construction Equipment	0	0.95	0	0.0259	0	Employment
22-60-005-010	2-Wheel Tractors	0	0.85	0.045	0.0259	0	Acres Harvested/small gas
22-60-005-015	Agricultural Tractors	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-030	Agricultural Mowers	0	0.85	0.045	0.0259	0	Acres Harvested/small gas
22-60-005-020	Combines	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-035	Sprayers	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-025	Balers	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-040	Tillers >5 HP	0	0.85	0.045	0.0259	0	Acres Harvested/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-60-005-045	Swathers	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-050	Hydro Power Units	0	0.85	0	0.0259	0	Acres Harvested
22-60-005-055	Other Agricultural Equipment	0	0.85	0	0.0259	0	Acres Harvested
22-60-007-005	Chainsaws >4 HP	120	1.16	0.045	0.0259	129	Population/small gas
22-60-007-010	Shredders >5 HP	0	1.16	0.045	0.0259	0	Population/small gas
22-60-007-015	Skidders	0	1.16	0	0.0259	0	Population
22-60-007-020	Fellers/Bunchers	0	1.16	0	0.0259	0	Population
		43300				38817	
FOUR-STROKE GASOLINE EQUIPMENT							
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0.045	0.0707	0	0-Scape/small gas
22-65-004-010	Lawn Mowers	31800	0.95	0.045	0.0707	26811	0-Scape /small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-004-030	Leaf Blowers/Vacuums	0	0.95	0.045	0.0707	0	0-Scape/ small gas
22-65-004-040	Rear Engine Riding Mowers	420	0.95	0.045	0.0707	354	0-Scape/ small gas
22-65-004-045	Front Mowers	160	0.95	0.045	0.0707	135	0-Scape/small gas
22-65-004-020	Chainsaws <4 HP	0	1	0.045	0.0707	0	Little Use/small gas
22-65-004-050	Shredders <5 HP	20	1	0.045	0.0707	18	Little Use/small gas
22-65-004-015	Tillers <5 HP	1960	1	0.045	0.0707	1739	Little Use/small gas
22-65-044-055	Lawn & Garden Tractors	6940	0.95	0.045	0.0707	5851	0-Scape/small gas
22-65-004-060	Wood Splitters	260	1	0.045	0.0707	231	Little Use/small gas
22-65-004-065	Chippers/Stump Grinders	1560	1	0	0.0707	1450	Little Use
22-65-004-070	Commercial Turf Equipment	6140	1.16	0.045	0.0707	6321	Population/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-004-075	Other Lawn & Garden Equipment	120	0.95	0.045	0.0707	101	0-Scape/small gas
22-65-008-005	Aircraft Support Equipment	80	1.06	0	0.0707	79	Aviation Operations
22-65-008-010	Terminal Tractors	560	1.06	0	0.0707	552	Aviation Operations
22-65-001-030	All Terrain Vehicles (ATVs)	700	1	0	0.0707	651	Rule 310
22-65-001-040	Minibikes	20	1	0	0.0707	19	Rule 310
22-65-001-010	Off-Road Motorcycles	20	1	0	0.0707	19	Rule 310
22-65-001-050	Golf Carts	420	1.16	0.045	0.0707	432	Population/small gas
22-65-001-060	Specialty Vehicles Carts	40	1.16	0.045	0.0707	41	Population/small gas
22-65-006-005	Generator Sets <50 HP	3200	0.95	0.045	0.0707	2698	Employment/small gas
22-65-006-010	Pumps <50 HP	880	0.95	0.045	0.0707	742	Employment/small gas

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-006-015	Air Compressors <50 HP	540	0.95	0.045	0.0707	455	Employment/small gas
22-65-006-020	Gas Compressors <50 HP	0	0.95	0	0.0707	0	Employment
22-65-006-025	Welders <50 HP	900	0.95	0.045	0.0707	759	Employment/small gas
22-65-006-030	Pressure Washers <50 HP	300	0.95	0.045	0.0707	253	Employment/small gas
22-65-003-010	Aerial Lifts	100	0.95	0	0.0707	88	Employment
22-65-003-020	Forklifts	1140	0.95	0	0.0707	1006	Employment
22-65-003-030	Sweepers/Scrubbers	160	0.95	0	0.0707	141	Employment
22-65-003-040	Other General Industrial Equipment	120	0.95	0.045	0.0707	101	Employment/small gas
22-65-003-050	Other Material Handling Equipment	20	0.95	0	0.0707	18	Employment
22-65-002-003	Asphalt Pavers	40	0.95	0	0.0707	35	Employment

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-002-006	Tampers/Rammers	0	0.95	0.045	0.0707	0	Employment/small gas
22-65-002-009	Plate Compactors	260	0.95	0.045	0.0707	219	Employment/small gas
22-65-002-012	Concrete Pavers	0	0.95	0	0.0707	0	Employment
22-65-002-015	Rollers	340	0.95	0	0.0707	300	Employment
22-65-002-018	Scrapers	0	0.95	0	0.0707	0	Employment
22-65-002-021	Paving Equipment	380	0.95	0.045	0.0707	320	Employment/small gas
22-65-002-024	Surfacing Equipment	120	0.95	0.045	0.0707	101	Employment/small gas
22-65-002-027	Signal Boards	0	0.95	0.045	0.0707	0	Employment/small gas
22-65-002-030	Trenchers	260	0.95	0	0.0707	230	Employment
22-65-002-033	Bore/Drill Rigs	60	0.95	0	0.0707	53	Employment
22-65-002-036	Excavators	0	0.95	0	0.0707	0	Employment

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-002-039	Concrete/Industrial Saws	420	0.95	0.045	0.0707	354	Employment/small gas
22-65-002-042	Cement and Mortar Mixers	180	0.95	0.045	0.0707	152	Employment/small gas
22-65-002-045	Cranes	40	0.95	0	0.0707	35	Employment
22-65-002-048	Graders	0	0.95	0	0.0707	0	Employment
22-65-002-051	Off-Highway Trucks	0	0.95	0	0.0707	0	Employment
22-65-002-054	Crushing/Proc. Equipment	20	0.95	0	0.0707	18	Employment
22-65-002-057	Rough Terrain Forklifts	80	0.95	0	0.0707	71	Employment
22-65-002-060	Rubber Tired Loaders	80	0.95	0	0.0707	71	Employment
22-65-002-063	Rubber Tired Dozers	0	0.95	0	0.0707	0	Employment
22-65-002-066	Tractors/Loaders/Backhoes	40	0.95	0	0.0707	35	Employment
22-65-002-069	Crawler Tractors	0	0.95	0	0.0707	0	Employment
22-65-002-072	Skid Steer Loaders	220	0.95	0	0.0707	194	Employment
22-65-002-075	Off-Highway Tractors	0	0.95	0	0.0707	0	Employment

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-002-078	Dumpers/Tenders	20	0.95	0.045	0.0707	17	Employment/small gas
22-65-002-081	Other Construction Equipment	40	0.95	0	0.0707	35	Employment
22-65-005-010	2-Wheel Tractors	0	0.85	0.045	0.0707	0	Acres Harvested/small gas
22-65-005-015	Agricultural Tractors	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-030	Agricultural Mowers	0	0.85	0.045	0.0707	0	Acres Harvested/small gas
22-65-005-020	Combines	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-035	Sprayers	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-025	Balers	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-040	Tillers >5 HP	40	0.85	0.045	0.0707	30	Acres Harvested/small gas
22-65-005-045	Swathers	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-050	Hydro Power Units	0	0.85	0	0.0707	0	Acres Harvested
22-65-005-055	Other Agricultural Equipment	0	0.85	0	0.0707	0	Acres Harvested

TABLE 5-3 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1996 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP Composite Control Factor	Controlle d Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1- D)	
22-65-007-005	Chainsaws >4 HP	0	1.16	0.045	0.0707	0	Population/small gas
22-65-007-010	Shredders >5 HP	0	1.16	0.045	0.0707	0	Population/small gas
22-65-007-015	Skidders	0	1.16	0	0.0707	0	Population
22-65-007-020	Fellers/Bunchers	0	1.16	0	0.0707	0	Population
		61220				53335	
		104520				92152	

TABLE 5-4
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS
(ASSUMES RVP AND RFG IN PLACE)

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
TWO-STROKE GASOLINE EQUIPMENT							
22-60-004-025	Trimmers/Edgers/Brush Cutters	9060	0.95	0.128	0.0576	7073	0-Scape/small gas
22-60-004-010	Lawn Mowers	21100	0.95	0.128	0.0576	16472	0-Scape /small gas
22-60-004-030	Leaf Blowers/Vacuums	2400	0.95	0.128	0.0576	1874	0-Scape/ small gas
22-60-004-040	Rear Engine Riding Mowers	0	0.95	0.128	0.0576	0	0-Scape/ small gas
22-60-004-045	Front Mowers	0	0.95	0.128	0.0576	0	0-Scape/small gas
22-60-004-020	Chainsaws <4 HP	5380	1	0.128	0.0576	4421	Little Use/small gas
22-60-004-050	Shredders <5 HP	0	1	0.128	0.0576	0	Little Use/small gas
22-60-004-015	Tillers <5 HP	40	1	0.128	0.0576	33	Little Use/small gas

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-044-055	Lawn & Garden Tractors	0	0.95	0.128	0.0576	0	0-Scape/small gas
22-60-004-060	Wood Splitters	0	1	0.128	0.0576	0	Little Use/small gas
22-60-004-065	Chippers/Stump Grinders	0	1	0	0.0576	0	Little Use
22-60-004-070	Commercial Turf Equipment	0	1.16	0.128	0.0576	0	Population/small gas
22-60-004-075	Other Lawn & Garden Equipment	220	0.95	0.128	0.0576	172	0-Scape/small gas
22-60-008-005	Aircraft Support Equipment	0	1.06	0	0.0576	0	Aviation Operations
22-60-008-010	Terminal Tractors	0	1.06	0	0.0576	0	Aviation Operations
22-60-001-030	All Terrain Vehicles (ATVs)	360	1	0	0.0576	339	Rule 310
22-60-001-040	Minibikes	0	1	0	0.0576	0	Rule 310
22-60-001-010	Off-Road Motorcycles	380	1	0	0.0576	358	Rule 310
22-60-001-050	Golf Carts	640	1.16	0.128	0.0576	610	Population/small gas

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-001-060	Specialty Vehicles Carts	300	1.16	0.128	0.0576	286	Population/small gas
22-60-006-005	Generator Sets <50 HP	380	0.95	0.128	0.0576	297	Employment/smal l gas
22-60-006-010	Pumps <50 HP	80	0.95	0.128	0.0576	62	Employment/smal l gas
22-60-006-015	Air Compressors <50 HP	0	0.95	0.128	0.0576	0	Employment/smal l gas
22-60-006-020	Gas Compressors <50 HP	20	0.95	0	0.0576	18	Employment
22-60-006-025	Welders <50 HP	0	0.95	0.128	0.0576	0	Employment/smal l gas
22-60-006-030	Pressure Washers <50 HP	0	0.95	0.128	0.0576	0	Employment/smal l gas
22-60-003-010	Aerial Lifts	0	0.95	0	0.0576	0	Employment
22-60-003-020	Forklifts	500	0.95	0	0.0576	448	Employment
22-60-003-030	Sweepers/Scrubbers	40	0.95	0	0.0576	36	Employment

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-003-040	Other General Industrial Equipment	240	0.95	0.128	0.0576	187	Employment/small gas
22-60-003-050	Other Material Handling Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-003	Asphalt Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-006	Tampers/Rammers	380	0.95	0.128	0.0576	297	Employment/small gas
22-60-002-009	Plate Compactors	1240	0.95	0.128	0.0576	968	Employment/small gas
22-60-002-012	Concrete Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-015	Rollers	0	0.95	0	0.0576	0	Employment
22-60-002-018	Scrapers	.0	0.95	0	0.0576	0	Employment
22-60-002-021	Paving Equipment	400	0.95	0.128	0.0576	312	Employment/small gas
22-60-002-024	Surfacing Equipment	0	0.95	0.128	0.0576	0	Employment/small gas

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-027	Signal Boards	0	0.95	0.128	0.0576	0	Employment/small gas
22-60-002-030	Trenchers	0	0.95	0	0.0576	0	Employment
22-60-002-033	Bore/Drill Rigs	20	0.95	0	0.0576	18	Employment
22-60-002-036	Excavators	0	0.95	0	0.0576	0	Employment
22-60-002-039	Concrete/Industrial Saws	0	0.95	0.128	0.0576	0	Employment/small gas
22-60-002-042	Cement and Mortar Mixers	0	0.95	0.128	0.0576	0	Employment/small gas
22-60-002-045	Cranes	0	0.95	0	0.0576	0	Employment
22-60-002-048	Graders	0	0.95	0	0.0576	0	Employment
22-60-002-051	Off-Highway Trucks	0	0.95	0	0.0576	0	Employment
22-60-002-054	Crushing/Proc. Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-057	Rough Terrain Forklifts	0	0.95	0	0.0576	0	Employment
22-60-002-060	Rubber Tired Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-063	Rubber Tired Dozers	0	0.95	0	0.0576	0	Employment

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-066	Tractors/Loaders/Backhoes	0	0.95	0	0.0576	0	Employment
22-60-002-069	Crawler Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-072	Skid Steer Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-075	Off-Highway Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-078	Dumpers/Tenders	0	0.95	0.128	0.0576	0	Employment/small l gas
22-60-002-081	Other Construction Equipment	0	0.95	0	0.0576	0	Employment
22-60-005-010	2-Wheel Tractors	0	0.85	0.128	0.0576	0	Acres Harvested/small gas
22-60-005-015	Agricultural Tractors	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-030	Agricultural Mowers	0	0.85	0.128	0.0576	0	Acres Harvested/small gas
22-60-005-020	Combines	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-035	Sprayers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-025	Balers	0	0.85	0	0.0576	0	Acres Harvested

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-005-040	Tillers >5 HP	0	0.85	0.128	0.0576	0	Acres Harvested/small gas
22-60-005-045	Swathers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-050	Hydro Power Units	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-055	Other Agricultural Equipment	0	0.85	0	0.0576	0	Acres Harvested
22-60-007-005	Chainsaws >4 HP	120	1.16	0.128	0.0576	114	Population/small gas
22-60-007-010	Shredders >5 HP	0	1.16	0.128	0.0576	0	Population/small gas
22-60-007-015	Skidders	0	1.16	0	0.0576	0	Population
22-60-007-020	Fellers/Bunchers	0	1.16	0	0.0576	0	Population
		43300				34395	
FOUR-STROKE GASOLINE EQUIPMENT							
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0.128	0.0991	0	0-Scape/small gas

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-010	Lawn Mowers	31800	0.95	0.128	0.0991	23733	0-Scape /small gas
22-65-004-030	Leaf Blowers/Vacuums	0	0.95	0.128	0.0991	0	0-Scape/ small gas
22-65-004-040	Rear Engine Riding Mowers	420	0.95	0.128	0.0991	313	0-Scape/ small gas
22-65-004-045	Front Mowers	160	0.95	0.128	0.0991	119	0-Scape/small gas
22-65-004-020	Chainsaws <4 HP	0	1	0.128	0.0991	0	Little Use/small gas
22-65-004-050	Shredders <5 HP	20	1	0.128	0.0991	16	Little Use/small gas
22-65-004-015	Tillers <5 HP	1960	1	0.128	0.0991	1540	Little Use/small gas
22-65-044-055	Lawn & Garden Tractors	6940	0.95	0.128	0.0991	5179	0-Scape/small gas
22-65-004-060	Wood Splitters	260	1	0.128	0.0991	204	Little Use/small gas
22-65-004-065	Chippers/Stump Grinders	1560	1	0	0.0991	1405	Little Use

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-070	Commercial Turf Equipment	6140	1.16	0.128	0.0991	5595	Population/small gas
22-65-004-075	Other Lawn & Garden Equipment	120	0.95	0.128	0.0991	90	0-Scape/small gas
22-65-008-005	Aircraft Support Equipment	80	1.06	0	0.0991	76	Aviation Operations
22-65-008-010	Terminal Tractors	560	1.06	0	0.0991	535	Aviation Operations
22-65-001-030	All Terrain Vehicles (ATVs)	700	1	0	0.0991	631	Rule 310
22-65-001-040	Minibikes	20	1	0	0.0991	18	Rule 310
22-65-001-010	Off-Road Motorcycles	20	1	0	0.0991	18	Rule 310
22-65-001-050	Golf Carts	420	1.16	0.128	0.0991	383	Population/small gas
22-65-001-060	Specialty Vehicles Carts	40	1.16	0.128	0.0991	36	Population/small gas
22-65-006-005	Generator Sets <50 HP	3200	0.95	0.128	0.0991	2388	Employment/smal l gas

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-006-010	Pumps <50 HP	880	0.95	0.128	0.0991	657	Employment/small gas
22-65-006-015	Air Compressors <50 HP	540	0.95	0.128	0.0991	403	Employment/small gas
22-65-006-020	Gas Compressors <50 HP	0	0.95	0	0.0991	0	Employment
22-65-006-025	Welders <50 HP	900	0.95	0.128	0.0991	672	Employment/small gas
22-65-006-030	Pressure Washers <50 HP	300	0.95	0.128	0.0991	224	Employment/small gas
22-65-003-010	Aerial Lifts	100	0.95	0	0.0991	86	Employment
22-65-003-020	Forklifts	1140	0.95	0	0.0991	976	Employment
22-65-003-030	Sweepers/Scrubbers	160	0.95	0	0.0991	137	Employment
22-65-003-040	Other General Industrial Equipment	120	0.95	0.128	0.0991	90	Employment/small gas
22-65-003-050	Other Material Handling Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-003	Asphalt Pavers	40	0.95	0	0.0991	34	Employment

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-006	Tampers/Rammers	0	0.95	0.128	0.0991	0	Employment/small l gas
22-65-002-009	Plate Compactors	260	0.95	0.128	0.0991	194	Employment/small l gas
22-65-002-012	Concrete Pavers	0	0.95	0	0.0991	0	Employment
22-65-002-015	Rollers	340	0.95	0	0.0991	291	Employment
22-65-002-018	Scrapers	0	0.95	0	0.0991	0	Employment
22-65-002-021	Paving Equipment	380	0.95	0.128	0.0991	284	Employment/small l gas
22-65-002-024	Surfacing Equipment	120	0.95	0.128	0.0991	90	Employment/small l gas
22-65-002-027	Signal Boards	0	0.95	0.128	0.0991	0	Employment/small l gas
22-65-002-030	Trenchers	260	0.95	0	0.0991	223	Employment
22-65-002-033	Bore/Drill Rigs	60	0.95	0	0.0991	51	Employment
22-65-002-036	Excavators	0	0.95	0	0.0991	0	Employment

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-039	Concrete/Industrial Saws	420	0.95	0.128	0.0991	313	Employment/small l gas
22-65-002-042	Cement and Mortar Mixers	180	0.95	0.128	0.0991	134	Employment/small l gas
22-65-002-045	Cranes	40	0.95	0	0.0991	34	Employment
22-65-002-048	Graders	0	0.95	0	0.0991	0	Employment
22-65-002-051	Off-Highway Trucks	0	0.95	0	0.0991	0	Employment
22-65-002-054	Crushing/Proc. Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-057	Rough Terrain Forklifts	80	0.95	0	0.0991	68	Employment
22-65-002-060	Rubber Tired Loaders	80	0.95	0	0.0991	68	Employment
22-65-002-063	Rubber Tired Dozers	0	0.95	0	0.0991	0	Employment
22-65-002-066	Tractors/Loaders/Backhoes	40	0.95	0	0.0991	34	Employment
22-65-002-069	Crawler Tractors	0	0.95	0	0.0991	0	Employment
22-65-002-072	Skid Steer Loaders	220	0.95	0	0.0991	188	Employment
22-65-002-075	Off-Highway Tractors	0	0.95	0	0.0991	0	Employment

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-078	Dumpers/Tenders	20	0.95	0.128	0.0991	15	Employment/small l gas
22-65-002-081	Other Construction Equipment	40	0.95	0	0.0991	34	Employment
22-65-005-010	2-Wheel Tractors	0	0.85	0.128	0.0991	0	Acres Harvested/small gas
22-65-005-015	Agricultural Tractors	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-030	Agricultural Mowers	0	0.85	0.128	0.0991	0	Acres Harvested/small gas
22-65-005-020	Combines	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-035	Sprayers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-025	Balers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-040	Tillers >5 HP	40	0.85	0.128	0.0991	27	Acres Harvested/small gas
22-65-005-045	Swathers	0	0.85	0	0.0991	0	Acres Harvested

TABLE 5-4 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1997 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-005-050	Hydro Power Units	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-055	Other Agricultural Equipment	0	0.85	0	0.0991	0	Acres Harvested
22-65-007-005	Chainsaws >4 HP	0	1.16	0.128	0.0991	0	Population/small gas
22-65-007-010	Shredders >5 HP	0	1.16	0.128	0.0991	0	Population/small gas
22-65-007-015	Skidders	0	1.16	0	0.0991	0	Population
22-65-007-020	Fellers/Bunchers	0	1.16	0	0.0991	0	Population
		61220				47641	
		104520				82036	

TABLE 5-5
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS
(ASSUMES RVP AND RFG IN PLACE)

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
TWO-STROKE GASOLINE EQUIPMENT							
22-60-004-025	Trimmers/Edgers/Brush Cutters	9060	0.95	0.19	0.0576	6570	0-Scape/small gas
22-60-004-010	Lawn Mowers	21100	0.95	0.19	0.0576	15301	0-Scape /small gas
22-60-004-030	Leaf Blowers/Vacuums	2400	0.95	0.19	0.0576	1740	0-Scape/ small gas
22-60-004-040	Rear Engine Riding Mowers	0	0.95	0.19	0.0576	0	0-Scape/ small gas
22-60-004-045	Front Mowers	0	0.95	0.19	0.0576	0	0-Scape/small gas
22-60-004-020	Chainsaws <4 HP	5380	1	0.19	0.0576	4107	Little Use/small gas
22-60-004-050	Shredders <5 HP	0	1	0.19	0.0576	0	Little Use/small gas
22-60-004-015	Tillers <5 HP	40	1	0.19	0.0576	31	Little Use/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-044-055	Lawn & Garden Tractors	0	0.95	0.19	0.0576	0	0-Scape/small gas
22-60-004-060	Wood Splitters	0	1	0.19	0.0576	0	Little Use/small gas
22-60-004-065	Chippers/Stump Grinders	0	1	0	0.0576	0	Little Use
22-60-004-070	Commercial Turf Equipment	0	1.16	0.19	0.0576	0	Population/small gas
22-60-004-075	Other Lawn & Garden Equipment	220	0.95	0.19	0.0576	160	0-Scape/small gas
22-60-008-005	Aircraft Support Equipment	0	1.06	0	0.0576	0	Aviation Operations
22-60-008-010	Terminal Tractors	0	1.06	0	0.0576	0	Aviation Operations
22-60-001-030	All Terrain Vehicles (ATVs)	360	1	0	0.0576	339	Rule 310
22-60-001-040	Minibikes	0	1	0	0.0576	0	Rule 310
22-60-001-010	Off-Road Motorcycles	380	1	0	0.0576	358	Rule 310
22-60-001-050	Golf Carts	640	1.16	0.19	0.0576	567	Population/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-001-060	Specialty Vehicles Carts	300	1.16	0.19	0.0576	266	Population/small gas
22-60-006-005	Generator Sets <50 HP	380	0.95	0.19	0.0576	276	Employment/smal l gas
22-60-006-010	Pumps <50 HP	80	0.95	0.19	0.0576	58	Employment/smal l gas
22-60-006-015	Air Compressors <50 HP	0	0.95	0.19	0.0576	0	Employment/smal l gas
22-60-006-020	Gas Compressors <50 HP	20	0.95	0	0.0576	18	Employment
22-60-006-025	Welders <50 HP	0	0.95	0.19	0.0576	0	Employment/smal l gas
22-60-006-030	Pressure Washers <50 HP	0	0.95	0.19	0.0576	0	Employment/smal l gas
22-60-003-010	Aerial Lifts	0	0.95	0	0.0576	0	Employment
22-60-003-020	Forklifts	500	0.95	0	0.0576	448	Employment
22-60-003-030	Sweepers/Scrubbers	40	0.95	0	0.0576	36	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-003-040	Other General Industrial Equipment	240	0.95	0.19	0.0576	174	Employment/small gas
22-60-003-050	Other Material Handling Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-003	Asphalt Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-006	Tampers/Rammers	380	0.95	0.19	0.0576	276	Employment/small gas
22-60-002-009	Plate Compactors	1240	0.95	0.19	0.0576	899	Employment/small gas
22-60-002-012	Concrete Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-015	Rollers	0	0.95	0	0.0576	0	Employment
22-60-002-018	Scrapers	.0	0.95	0	0.0576	0	Employment
22-60-002-021	Paving Equipment	400	0.95	0.19	0.0576	290	Employment/small gas
22-60-002-024	Surfacing Equipment	0	0.95	0.19	0.0576	0	Employment/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-027	Signal Boards	0	0.95	0.19	0.0576	0	Employment/small l gas
22-60-002-030	Trenchers	0	0.95	0	0.0576	0	Employment
22-60-002-033	Bore/Drill Rigs	20	0.95	0	0.0576	18	Employment
22-60-002-036	Excavators	0	0.95	0	0.0576	0	Employment
22-60-002-039	Concrete/Industrial Saws	0	0.95	0.19	0.0576	0	Employment/small l gas
22-60-002-042	Cement and Mortar Mixers	0	0.95	0.19	0.0576	0	Employment/small l gas
22-60-002-045	Cranes	0	0.95	0	0.0576	0	Employment
22-60-002-048	Graders	0	0.95	0	0.0576	0	Employment
22-60-002-051	Off-Highway Trucks	0	0.95	0	0.0576	0	Employment
22-60-002-054	Crushing/Proc. Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-057	Rough Terrain Forklifts	0	0.95	0	0.0576	0	Employment
22-60-002-060	Rubber Tired Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-063	Rubber Tired Dozers	0	0.95	0	0.0576	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-066	Tractors/Loaders/Backhoes	0	0.95	0	0.0576	0	Employment
22-60-002-069	Crawler Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-072	Skid Steer Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-075	Off-Highway Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-078	Dumpers/Tenders	0	0.95	0.19	0.0576	0	Employment/small l gas
22-60-002-081	Other Construction Equipment	0	0.95	0	0.0576	0	Employment
22-60-005-010	2-Wheel Tractors	0	0.85	0.19	0.0576	0	Acres Harvested/small gas
22-60-005-015	Agricultural Tractors	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-030	Agricultural Mowers	0	0.85	0.19	0.0576	0	Acres Harvested/small gas
22-60-005-020	Combines	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-035	Sprayers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-025	Balers	0	0.85	0	0.0576	0	Acres Harvested

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-005-040	Tillers >5 HP	0	0.85	0.19	0.0576	0	Acres Harvested/small gas
22-60-005-045	Swathers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-050	Hydro Power Units	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-055	Other Agricultural Equipment	0	0.85	0	0.0576	0	Acres Harvested
22-60-007-005	Chainsaws >4 HP	120	1.16	0.19	0.0576	106	Population/small gas
22-60-007-010	Shredders >5 HP	0	1.16	0.19	0.0576	0	Population/small gas
22-60-007-015	Skidders	0	1.16	0	0.0576	0	Population
22-60-007-020	Fellers/Bunchers	0	1.16	0	0.0576	0	Population
		43300				32036	
FOUR-STROKE GASOLINE EQUIPMENT							
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0.19	0.0991	0	0-Scape/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-010	Lawn Mowers	31800	0.95	0.19	0.0991	22045	0-Scape /small gas
22-65-004-030	Leaf Blowers/Vacuums	0	0.95	0.19	0.0991	0	0-Scape/ small gas
22-65-004-040	Rear Engine Riding Mowers	420	0.95	0.19	0.0991	291	0-Scape/ small gas
22-65-004-045	Front Mowers	160	0.95	0.19	0.0991	111	0-Scape/small gas
22-65-004-020	Chainsaws <4 HP	0	1	0.19	0.0991	0	Little Use/small gas
22-65-004-050	Shredders <5 HP	20	1	0.19	0.0991	15	Little Use/small gas
22-65-004-015	Tillers <5 HP	1960	1	0.19	0.0991	1430	Little Use/small gas
22-65-044-055	Lawn & Garden Tractors	6940	0.95	0.19	0.0991	4811	0-Scape/small gas
22-65-004-060	Wood Splitters	260	1	0.19	0.0991	190	Little Use/small gas
22-65-004-065	Chippers/Stump Grinders	1560	1	0	0.0991	1405	Little Use

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-070	Commercial Turf Equipment	6140	1.16	0.19	0.0991	5197	Population/small gas
22-65-004-075	Other Lawn & Garden Equipment	120	0.95	0.19	0.0991	83	0-Scape/small gas
22-65-008-005	Aircraft Support Equipment	80	1.06	0	0.0991	76	Aviation Operations
22-65-008-010	Terminal Tractors	560	1.06	0	0.0991	535	Aviation Operations
22-65-001-030	All Terrain Vehicles (ATVs)	700	1	0	0.0991	631	Rule 310
22-65-001-040	Minibikes	20	1	0	0.0991	18	Rule 310
22-65-001-010	Off-Road Motorcycles	20	1	0	0.0991	18	Rule 310
22-65-001-050	Golf Carts	420	1.16	0.19	0.0991	356	Population/small gas
22-65-001-060	Specialty Vehicles Carts	40	1.16	0.19	0.0991	34	Population/small gas
22-65-006-005	Generator Sets <50 HP	3200	0.95	0.19	0.0991	2218	Employment/smal l gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-006-010	Pumps <50 HP	880	0.95	0.19	0.0991	610	Employment/small gas
22-65-006-015	Air Compressors <50 HP	540	0.95	0.19	0.0991	374	Employment/small gas
22-65-006-020	Gas Compressors <50 HP	0	0.95	0	0.0991	0	Employment
22-65-006-025	Welders <50 HP	900	0.95	0.19	0.0991	624	Employment/small gas
22-65-006-030	Pressure Washers <50 HP	300	0.95	0.19	0.0991	208	Employment/small gas
22-65-003-010	Aerial Lifts	100	0.95	0	0.0991	86	Employment
22-65-003-020	Forklifts	1140	0.95	0	0.0991	976	Employment
22-65-003-030	Sweepers/Scrubbers	160	0.95	0	0.0991	137	Employment
22-65-003-040	Other General Industrial Equipment	120	0.95	0.19	0.0991	83	Employment/small gas
22-65-003-050	Other Material Handling Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-003	Asphalt Pavers	40	0.95	0	0.0991	34	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-006	Tampers/Rammers	0	0.95	0.19	0.0991	0	Employment/small l gas
22-65-002-009	Plate Compactors	260	0.95	0.19	0.0991	180	Employment/small l gas
22-65-002-012	Concrete Pavers	0	0.95	0	0.0991	0	Employment
22-65-002-015	Rollers	340	0.95	0	0.0991	291	Employment
22-65-002-018	Scrapers	0	0.95	0	0.0991	0	Employment
22-65-002-021	Paving Equipment	380	0.95	0.19	0.0991	263	Employment/small l gas
22-65-002-024	Surfacing Equipment	120	0.95	0.19	0.0991	83	Employment/small l gas
22-65-002-027	Signal Boards	0	0.95	0.19	0.0991	0	Employment/small l gas
22-65-002-030	Trenchers	260	0.95	0	0.0991	223	Employment
22-65-002-033	Bore/Drill Rigs	60	0.95	0	0.0991	51	Employment
22-65-002-036	Excavators	0	0.95	0	0.0991	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-039	Concrete/Industrial Saws	420	0.95	0.19	0.0991	291	Employment/small l gas
22-65-002-042	Cement and Mortar Mixers	180	0.95	0.19	0.0991	125	Employment/small l gas
22-65-002-045	Cranes	40	0.95	0	0.0991	34	Employment
22-65-002-048	Graders	0	0.95	0	0.0991	0	Employment
22-65-002-051	Off-Highway Trucks	0	0.95	0	0.0991	0	Employment
22-65-002-054	Crushing/Proc. Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-057	Rough Terrain Forklifts	80	0.95	0	0.0991	68	Employment
22-65-002-060	Rubber Tired Loaders	80	0.95	0	0.0991	68	Employment
22-65-002-063	Rubber Tired Dozers	0	0.95	0	0.0991	0	Employment
22-65-002-066	Tractors/Loaders/Backhoes	40	0.95	0	0.0991	34	Employment
22-65-002-069	Crawler Tractors	0	0.95	0	0.0991	0	Employment
22-65-002-072	Skid Steer Loaders	220	0.95	0	0.0991	188	Employment
22-65-002-075	Off-Highway Tractors	0	0.95	0	0.0991	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-078	Dumpers/Tenders	20	0.95	0.19	0.0991	14	Employment/small l gas
22-65-002-081	Other Construction Equipment	40	0.95	0	0.0991	34	Employment
22-65-005-010	2-Wheel Tractors	0	0.85	0.19	0.0991	0	Acres Harvested/small gas
22-65-005-015	Agricultural Tractors	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-030	Agricultural Mowers	0	0.85	0.19	0.0991	0	Acres Harvested/small gas
22-65-005-020	Combines	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-035	Sprayers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-025	Balers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-040	Tillers >5 HP	40	0.85	0.19	0.0991	25	Acres Harvested/small gas
22-65-005-045	Swathers	0	0.85	0	0.0991	0	Acres Harvested

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1998 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-005-050	Hydro Power Units	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-055	Other Agricultural Equipment	0	0.85	0	0.0991	0	Acres Harvested
22-65-007-005	Chainsaws >4 HP	0	1.16	0.19	0.0991	0	Population/small gas
22-65-007-010	Shredders >5 HP	0	1.16	0.19	0.0991	0	Population/small gas
22-65-007-015	Skidders	0	1.16	0	0.0991	0	Population
22-65-007-020	Fellers/Bunchers	0	1.16	0	0.0991	0	Population
		61220				44605	
		104520				76641	

TABLE 5-5
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS
(ASSUMES RVP AND RFG IN PLACE)

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
TWO-STROKE GASOLINE EQUIPMENT							
22-60-004-025	Trimmers/Edgers/Brush Cutters	9060	0.95	0.229	0.0576	6254	0-Scape/small gas
22-60-004-010	Lawn Mowers	21100	0.95	0.229	0.0576	14565	0-Scape /small gas
22-60-004-030	Leaf Blowers/Vacuums	2400	0.95	0.229	0.0576	1657	0-Scape/ small gas
22-60-004-040	Rear Engine Riding Mowers	0	0.95	0.229	0.0576	0	0-Scape/ small gas
22-60-004-045	Front Mowers	0	0.95	0.229	0.0576	0	0-Scape/small gas
22-60-004-020	Chainsaws <4 HP	5380	1	0.229	0.0576	3909	Little Use/small gas
22-60-004-050	Shredders <5 HP	0	1	0.229	0.0576	0	Little Use/small gas
22-60-004-015	Tillers <5 HP	40	1	0.229	0.0576	29	Little Use/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-044-055	Lawn & Garden Tractors	0	0.95	0.229	0.0576	0	0-Scape/small gas
22-60-004-060	Wood Splitters	0	1	0.229	0.0576	0	Little Use/small gas
22-60-004-065	Chippers/Stump Grinders	0	1	0	0.0576	0	Little Use
22-60-004-070	Commercial Turf Equipment	0	1.16	0.229	0.0576	0	Population/small gas
22-60-004-075	Other Lawn & Garden Equipment	220	0.95	0.229	0.0576	152	0-Scape/small gas
22-60-008-005	Aircraft Support Equipment	0	1.06	0	0.0576	0	Aviation Operations
22-60-008-010	Terminal Tractors	0	1.06	0	0.0576	0	Aviation Operations
22-60-001-030	All Terrain Vehicles (ATVs)	360	1	0	0.0576	339	Rule 310
22-60-001-040	Minibikes	0	1	0	0.0576	0	Rule 310
22-60-001-010	Off-Road Motorcycles	380	1	0	0.0576	358	Rule 310
22-60-001-050	Golf Carts	640	1.16	0.229	0.0576	539	Population/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-001-060	Specialty Vehicles Carts	300	1.16	0.229	0.0576	253	Population/small gas
22-60-006-005	Generator Sets <50 HP	380	0.95	0.229	0.0576	262	Employment/smal l gas
22-60-006-010	Pumps <50 HP	80	0.95	0.229	0.0576	55	Employment/smal l gas
22-60-006-015	Air Compressors <50 HP	0	0.95	0.229	0.0576	0	Employment/smal l gas
22-60-006-020	Gas Compressors <50 HP	20	0.95	0	0.0576	18	Employment
22-60-006-025	Welders <50 HP	0	0.95	0.229	0.0576	0	Employment/smal l gas
22-60-006-030	Pressure Washers <50 HP	0	0.95	0.229	0.0576	0	Employment/smal l gas
22-60-003-010	Aerial Lifts	0	0.95	0	0.0576	0	Employment
22-60-003-020	Forklifts	500	0.95	0	0.0576	448	Employment
22-60-003-030	Sweepers/Scrubbers	40	0.95	0	0.0576	36	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-003-040	Other General Industrial Equipment	240	0.95	0.229	0.0576	166	Employment/small gas
22-60-003-050	Other Material Handling Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-003	Asphalt Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-006	Tampers/Rammers	380	0.95	0.229	0.0576	262	Employment/small gas
22-60-002-009	Plate Compactors	1240	0.95	0.229	0.0576	856	Employment/small gas
22-60-002-012	Concrete Pavers	0	0.95	0	0.0576	0	Employment
22-60-002-015	Rollers	0	0.95	0	0.0576	0	Employment
22-60-002-018	Scrapers	.0	0.95	0	0.0576	0	Employment
22-60-002-021	Paving Equipment	400	0.95	0.229	0.0576	276	Employment/small gas
22-60-002-024	Surfacing Equipment	0	0.95	0.229	0.0576	0	Employment/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-027	Signal Boards	0	0.95	0.229	0.0576	0	Employment/small gas
22-60-002-030	Trenchers	0	0.95	0	0.0576	0	Employment
22-60-002-033	Bore/Drill Rigs	20	0.95	0	0.0576	18	Employment
22-60-002-036	Excavators	0	0.95	0	0.0576	0	Employment
22-60-002-039	Concrete/Industrial Saws	0	0.95	0.229	0.0576	0	Employment/small gas
22-60-002-042	Cement and Mortar Mixers	0	0.95	0.229	0.0576	0	Employment/small gas
22-60-002-045	Cranes	0	0.95	0	0.0576	0	Employment
22-60-002-048	Graders	0	0.95	0	0.0576	0	Employment
22-60-002-051	Off-Highway Trucks	0	0.95	0	0.0576	0	Employment
22-60-002-054	Crushing/Proc. Equipment	0	0.95	0	0.0576	0	Employment
22-60-002-057	Rough Terrain Forklifts	0	0.95	0	0.0576	0	Employment
22-60-002-060	Rubber Tired Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-063	Rubber Tired Dozers	0	0.95	0	0.0576	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-002-066	Tractors/Loaders/Backhoes	0	0.95	0	0.0576	0	Employment
22-60-002-069	Crawler Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-072	Skid Steer Loaders	0	0.95	0	0.0576	0	Employment
22-60-002-075	Off-Highway Tractors	0	0.95	0	0.0576	0	Employment
22-60-002-078	Dumpers/Tenders	0	0.95	0.229	0.0576	0	Employment/small l gas
22-60-002-081	Other Construction Equipment	0	0.95	0	0.0576	0	Employment
22-60-005-010	2-Wheel Tractors	0	0.85	0.229	0.0576	0	Acres Harvested/small gas
22-60-005-015	Agricultural Tractors	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-030	Agricultural Mowers	0	0.85	0.229	0.0576	0	Acres Harvested/small gas
22-60-005-020	Combines	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-035	Sprayers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-025	Balers	0	0.85	0	0.0576	0	Acres Harvested

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-60-005-040	Tillers >5 HP	0	0.85	0.229	0.0576	0	Acres Harvested/small gas
22-60-005-045	Swathers	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-050	Hydro Power Units	0	0.85	0	0.0576	0	Acres Harvested
22-60-005-055	Other Agricultural Equipment	0	0.85	0	0.0576	0	Acres Harvested
22-60-007-005	Chainsaws >4 HP	120	1.16	0.229	0.0576	101	Population/small gas
22-60-007-010	Shredders >5 HP	0	1.16	0.229	0.0576	0	Population/small gas
22-60-007-015	Skidders	0	1.16	0	0.0576	0	Population
22-60-007-020	Fellers/Bunchers	0	1.16	0	0.0576	0	Population
		43300				30552	
FOUR-STROKE GASOLINE EQUIPMENT							
22-65-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0.229	0.0991	0	0-Scape/small gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-010	Lawn Mowers	31800	0.95	0.229	0.0991	20984	0-Scape /small gas
22-65-004-030	Leaf Blowers/Vacuums	0	0.95	0.229	0.0991	0	0-Scape/ small gas
22-65-004-040	Rear Engine Riding Mowers	420	0.95	0.229	0.0991	277	0-Scape/ small gas
22-65-004-045	Front Mowers	160	0.95	0.229	0.0991	106	0-Scape/small gas
22-65-004-020	Chainsaws <4 HP	0	1	0.229	0.0991	0	Little Use/small gas
22-65-004-050	Shredders <5 HP	20	1	0.229	0.0991	14	Little Use/small gas
22-65-004-015	Tillers <5 HP	1960	1	0.229	0.0991	1361	Little Use/small gas
22-65-044-055	Lawn & Garden Tractors	6940	0.95	0.229	0.0991	4579	0-Scape/small gas
22-65-004-060	Wood Splitters	260	1	0.229	0.0991	181	Little Use/small gas
22-65-004-065	Chippers/Stump Grinders	1560	1	0	0.0991	1405	Little Use

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-004-070	Commercial Turf Equipment	6140	1.16	0.229	0.0991	4947	Population/small gas
22-65-004-075	Other Lawn & Garden Equipment	120	0.95	0.229	0.0991	79	0-Scape/small gas
22-65-008-005	Aircraft Support Equipment	80	1.06	0	0.0991	76	Aviation Operations
22-65-008-010	Terminal Tractors	560	1.06	0	0.0991	535	Aviation Operations
22-65-001-030	All Terrain Vehicles (ATVs)	700	1	0	0.0991	631	Rule 310
22-65-001-040	Minibikes	20	1	0	0.0991	18	Rule 310
22-65-001-010	Off-Road Motorcycles	20	1	0	0.0991	18	Rule 310
22-65-001-050	Golf Carts	420	1.16	0.229	0.0991	338	Population/small gas
22-65-001-060	Specialty Vehicles Carts	40	1.16	0.229	0.0991	32	Population/small gas
22-65-006-005	Generator Sets <50 HP	3200	0.95	0.229	0.0991	2112	Employment/smal l gas

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-006-010	Pumps <50 HP	880	0.95	0.229	0.0991	581	Employment/small gas
22-65-006-015	Air Compressors <50 HP	540	0.95	0.229	0.0991	356	Employment/small gas
22-65-006-020	Gas Compressors <50 HP	0	0.95	0	0.0991	0	Employment
22-65-006-025	Welders <50 HP	900	0.95	0.229	0.0991	594	Employment/small gas
22-65-006-030	Pressure Washers <50 HP	300	0.95	0.229	0.0991	198	Employment/small gas
22-65-003-010	Aerial Lifts	100	0.95	0	0.0991	86	Employment
22-65-003-020	Forklifts	1140	0.95	0	0.0991	976	Employment
22-65-003-030	Sweepers/Scrubbers	160	0.95	0	0.0991	137	Employment
22-65-003-040	Other General Industrial Equipment	120	0.95	0.229	0.0991	79	Employment/small gas
22-65-003-050	Other Material Handling Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-003	Asphalt Pavers	40	0.95	0	0.0991	34	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-006	Tampers/Rammers	0	0.95	0.229	0.0991	0	Employment/small l gas
22-65-002-009	Plate Compactors	260	0.95	0.229	0.0991	172	Employment/small l gas
22-65-002-012	Concrete Pavers	0	0.95	0	0.0991	0	Employment
22-65-002-015	Rollers	340	0.95	0	0.0991	291	Employment
22-65-002-018	Scrapers	0	0.95	0	0.0991	0	Employment
22-65-002-021	Paving Equipment	380	0.95	0.229	0.0991	251	Employment/small l gas
22-65-002-024	Surfacing Equipment	120	0.95	0.229	0.0991	79	Employment/small l gas
22-65-002-027	Signal Boards	0	0.95	0.229	0.0991	0	Employment/small l gas
22-65-002-030	Trenchers	260	0.95	0	0.0991	223	Employment
22-65-002-033	Bore/Drill Rigs	60	0.95	0	0.0991	51	Employment
22-65-002-036	Excavators	0	0.95	0	0.0991	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-039	Concrete/Industrial Saws	420	0.95	0.229	0.0991	277	Employment/small l gas
22-65-002-042	Cement and Mortar Mixers	180	0.95	0.229	0.0991	119	Employment/small l gas
22-65-002-045	Cranes	40	0.95	0	0.0991	34	Employment
22-65-002-048	Graders	0	0.95	0	0.0991	0	Employment
22-65-002-051	Off-Highway Trucks	0	0.95	0	0.0991	0	Employment
22-65-002-054	Crushing/Proc. Equipment	20	0.95	0	0.0991	17	Employment
22-65-002-057	Rough Terrain Forklifts	80	0.95	0	0.0991	68	Employment
22-65-002-060	Rubber Tired Loaders	80	0.95	0	0.0991	68	Employment
22-65-002-063	Rubber Tired Dozers	0	0.95	0	0.0991	0	Employment
22-65-002-066	Tractors/Loaders/Backhoes	40	0.95	0	0.0991	34	Employment
22-65-002-069	Crawler Tractors	0	0.95	0	0.0991	0	Employment
22-65-002-072	Skid Steer Loaders	220	0.95	0	0.0991	188	Employment
22-65-002-075	Off-Highway Tractors	0	0.95	0	0.0991	0	Employment

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-002-078	Dumpers/Tenders	20	0.95	0.229	0.0991	13	Employment/small l gas
22-65-002-081	Other Construction Equipment	40	0.95	0	0.0991	34	Employment
22-65-005-010	2-Wheel Tractors	0	0.85	0.229	0.0991	0	Acres Harvested/small gas
22-65-005-015	Agricultural Tractors	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-030	Agricultural Mowers	0	0.85	0.229	0.0991	0	Acres Harvested/small gas
22-65-005-020	Combines	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-035	Sprayers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-025	Balers	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-040	Tillers >5 HP	40	0.85	0.229	0.0991	24	Acres Harvested/small gas
22-65-005-045	Swathers	0	0.85	0	0.0991	0	Acres Harvested

TABLE 5-5 - CONTINUED
GASOLINE-POWERED NONROAD EQUIPMENT VOC EMISSIONS
1999 IMPACT OF FEDERAL NON-ROAD ENGINE STANDARDS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	Non-road Engine Control Factor	RVP/RFG Composite Control Factor	Controlled Emissions	Growth and Control Reference
		A	B	C	D	A*B* (1-C)(1-D)	
22-65-005-050	Hydro Power Units	0	0.85	0	0.0991	0	Acres Harvested
22-65-005-055	Other Agricultural Equipment	0	0.85	0	0.0991	0	Acres Harvested
22-65-007-005	Chainsaws >4 HP	0	1.16	0.229	0.0991	0	Population/small gas
22-65-007-010	Shredders >5 HP	0	1.16	0.229	0.0991	0	Population/small gas
22-65-007-015	Skidders	0	1.16	0	0.0991	0	Population
22-65-007-020	Fellers/Bunchers	0	1.16	0	0.0991	0	Population
		61220				42695	
		104520				73248	

**TABLE 5-7
DIESEL NONROAD EQUIPMENT VOC EMISSIONS**

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI	Growth Reference
DIESEL EQUIPMENT					
22-70-004-025	Trimmers/Edgers/Brush Cutters	0	0.95	0	0-Scape
22-70-004-010	Lawn Mowers	0	0.95	0	0-Scape
22-70-004-030	Leaf Blowers/Vacuums	0	0.95	0	0-Scape
22-70-004-040	Rear Engine Riding Mowers	0	0.95	0	0-Scape
22-70-004-045	Front Mowers	0	0.95	0	0-Scape
22-70-004-020	Chainsaws <4 HP	0	1	0	Little Use
22-70-004-050	Shredders <5 HP	0	1	0	Little Use
22-70-004-015	Tillers <5 HP	0	1	0	Little Use
22-70-044-055	Lawn & Garden Tractors	80	0.95	76	0-Scape
22-70-004-060	Wood Splitters	0	1	0	Little Use
22-70-004-065	Chippers/Stump Grinders	40	1	40	Little Use
22-70-004-070	Commercial Turf Equipment	160	1.16	186	Population
22-70-004-075	Other Lawn & Garden Equipment	0	0.95	0	0-Scape
22-70-008-005	Aircraft Support Equipment	100	1.06	106	Aviation Operations
22-70-008-010	Terminal Tractors	1340	1.06	1420	Aviation Operations
22-70-001-030	All Terrain Vehicles (ATVs)	0	1	0	Rule 310
22-70-001-040	Minibikes	0	1	0	Rule 310

TABLE 5-7 - CONTINUED
DIESEL NONROAD EQUIPMENT VOC EMISSIONS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI	Growth Reference
22-70-001-010	Off-Road Motorcycles	0	1	0	Rule 310
22-70-001-050	Golf Carts	0	1.16	0	Population
22-70-001-060	Specialty Vehicles Carts	0	1.16	0	Population
22-70-006-005	Generator Sets <50 HP	60	0.95	57	Employment
22-70-006-010	Pumps <50 HP	20	0.95	19	Employment
22-70-006-015	Air Compressors <50 HP	20	0.95	19	Employment
22-70-006-020	Gas Compressors <50 HP	0	0.95	0	Employment
22-70-006-025	Welders <50 HP	60	0.95	57	Employment
22-70-006-030	Pressure Washers <50 HP	0	0.95	0	Employment
22-70-003-010	Aerial Lifts	0	0.95	0	Employment
22-70-003-020	Forklifts	320	0.95	304	Employment
22-70-003-030	Sweepers/Scrubbers	220	0.95	209	Employment
22-70-003-040	Other General Industrial Equipment	80	0.95	76	Employment
22-70-003-050	Other Material Handling Equipment	20	0.95	19	Employment
22-70-002-003	Asphalt Pavers	40	0.95	38	Employment
22-70-002-006	Tampers/Rammers	0	0.95	0	Employment
22-70-002-009	Plate Compactors	0	0.95	0	Employment
22-70-002-012	Concrete Pavers	40	0.95	38	Employment
22-70-002-015	Rollers	280	0.95	266	Employment

TABLE 5-7 - CONTINUED
DIESEL NONROAD EQUIPMENT VOC EMISSIONS

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI	Growth Reference
22-70-002-018	Scrapers	660	0.95	627	Employment
22-70-002-021	Paving Equipment	160	0.95	152	Employment
22-70-002-024	Surfacing Equipment	0	0.95	0	Employment
22-70-002-027	Signal Boards	20	0.95	19	Employment
22-70-002-030	Trenchers	220	0.95	209	Employment
22-70-002-033	Bore/Drill Rigs	80	0.95	76	Employment
22-70-002-036	Excavators	380	0.95	361	Employment
22-70-002-039	Concrete/Industrial Saws	0	0.95	0	Employment
22-70-002-042	Cement and Mortar Mixers	0	0.95	0	Employment
22-70-002-045	Cranes	800	0.95	760	Employment
22-70-002-048	Graders	900	0.95	855	Employment
22-70-002-051	Off-Highway Trucks	700	0.95	665	Employment
22-70-002-054	Crushing/Proc. Equipment	120	0.95	114	Employment
22-70-002-057	Rough Terrain Forklifts	360	0.95	342	Employment
22-70-002-060	Rubber Tired Loaders	1280	0.95	1216	Employment
22-70-002-063	Rubber Tired Dozers	140	0.95	133	Employment
22-70-002-066	Tractors/Loaders/Back hoes	1960	0.95	1862	Employment
22-70-002-069	Crawler Tractors	3340	0.95	3173	Employment
22-70-002-072	Skid Steer Loaders	600	0.95	570	Employment
22-70-002-075	Off-Highway Tractors	1260	0.95	1197	Employment
22-70-002-078	Dumpers/Tenders	0	0.95	0	Employment

**TABLE 5-7 - CONTINUED
DIESEL NONROAD EQUIPMENT VOC EMISSIONS**

AMS CODES	EQUIPMENT NAME	1990 EI (ppd)	1996 Growth Factor	1996 EI	Growth Reference
22-70-002-081	Other Construction Equipment	100	0.95	95	Employment
22-70-005-010	2-Wheel Tractors	0	0.85	0	Acres Harvested
22-70-005-015	Agricultural Tractors	300	0.85	255	Acres Harvested
22-70-005-030	Agricultural Mowers	0	0.85	0	Acres Harvested
22-70-005-020	Combines	20	0.85	17	Acres Harvested
22-70-005-035	Sprayers	0	0.85	0	Acres Harvested
22-70-005-025	Balers	0	0.85	0	Acres Harvested
22-70-005-040	Tillers >5 HP	0	0.85	0	Acres Harvested
22-70-005-045	Swathers	0	0.85	0	Acres Harvested
22-70-005-050	Hydro Power Units	0	0.85	0	Acres Harvested
22-70-005-055	Other Agricultural Equipment	0	0.85	0	Acres Harvested
22-70-007-005	Chainsaws >4 HP	0	1.16	0	Population
22-70-007-010	Shredders >5 HP	0	1.16	0	Population
22-70-007-015	Skidders	0	1.16	0	Population
22-70-007-020	Fellers/Bunchers	0	1.16	0	Population
Total		16280		15628	

TABLE 5-8
AIRCRAFT AND LOCAMOTIVE VOC EMISSIONS

Category	AMS/SCC	1990 Emission (ppd)	1996 Growth Factor	1996 Growth Reference	1996 Emissions (ppd)
Airport					
SKY	22-75-001-000	15	1	Military Op.	15
	22-75-020-000	1509	1.1	Aviation Op.	1660
	22-75-050-000	59	1.06	Aviation Op.	63
	22-75-060-000	131	1.06	Aviation Op.	139
CHANDLER	22-75-050-000	93	1.06	Aviation Op.	99
DEER	22-75-001-000	2	1	Military Op.	2
	22-75-050-000	139	1.06	Aviation Op.	147
	22-75-060-000	4	1.06	Aviation Op.	4
GLENDALE	22-75-050-000	79	1.06	Aviation Op.	84
GOODYEAR	22-75-001-000	1	1	Military Op.	1
	22-75-050-000	112	1.06	Aviation Op.	119
CAREFREE	22-75-050-000	3	1.06	Aviation Op.	3
STELLAR	22-75-050-000	27	1.06	Aviation Op.	29
PLEASANT	22-75-050-000	19	1.06	Aviation Op.	20
MESA	22-75-001-000	11	1	Military Op.	11
	22-75-050-000	97	1.06	Aviation Op.	103
	22-75-060-000	1	1.06	Aviation Op.	1
SCOTTSDALE	22-75-001-000	1	1	Military Op.	1
	22-75-050-000	134	1.06	Aviation Op.	142
	22-75-060-000	8	1.06	Aviation Op.	8
WILLIAMS	22-75-001-000	2572	0.08	Base Closing	206

TABLE 5-8 - CONTINUED
AIRCRAFT AND LOCOMOTIVE VOC EMISSIONS

	22-75-050-000	0	increase due to civil use	Base Closing	102
LUKE	22-75-001-000	110	1	LUKE	110
Total Airports		5127			3068
Locomotive					
	22-85-002-005	1420	1.16	Population	1647
	22-85-002-010	68	1.16	Population	79
Total Locomotive		1488			1726
Total Table		6615			4794