

Appendix 4

Point and Area Stationary Source

Projected Emission Inventory Tables

TABLE 4-1
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
1001	7999	21	1	At Max Use	0	no control	21
1002	5082	43	1.07	Employment	0	no control	46
1003	8661	1	1.00	At Max Use	0	no control	1
1005	4952	37	1.00	At Max Use	0	no control	37
1006	4911	27	1.07	Employment	0	no control	29
1007	4911	54	1.07	Employment	0	no control	58
1045	7011	62	1.15	Employment	0	no control	71
1203	4911	408	--	Actual 92	0	no control	742
1209	9711	374	1.00	LUKE	0.43	Rule 336	213
1215	4911	421	1.00	Actual 92	0	no control	102
1218	9711	225	0.65	AV Forecasts	0.43	Rule 336	83
1500	4911	1,048	--	Actual 92	0	no control	220
1505	4911	345	--	Actual 92	0	no control	34
1507	4911	108	--	Actual 92	0	no control	31
2003	3271	229	0.67	Employment	0	no control	153
3001	5171	22	1.06	ADOT/MAG	0	no control	23
3038	5171	41	1.06	ADOT/MAG	0.404	Rule 351	26
3302	5172	96	1.06	ADOT/MAG	0.404	Rule 351	61
3323	5172	67	1.06	ADOT/MAG	0.404	Rule 351	42
3324	5171	2,111	1.06	ADOT/MAG	0.404	Rule 351	1,334
3329	5171	976	1.06	ADOT/MAG	0.404	Rule 351	617
3437	5171	597	1.06	ADOT/MAG	0.404	Rule 351	377
3452	5171	550	1.06	ADOT/MAG	0.404	Rule 351	347
3555	5171	4,014	1.06	ADOT/MAG	0.404	Rule 351	2,536
3556	5171	1,247	1.06	ADOT/MAG	0.404	Rule 351	788
4001	3672	119	1.00	Employment	0	no control	119
4004	2295	1,206	1.00	Employment	0	no control	1,206
4005	3672	299	1.00	Employment	0	no control	299
Total:		14,748				Total:	9,617

TABLE 4-1- CONTINUED
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
4006	3674	80	1.00	Employment	0	no control	80
4007	3672	266	1.00	Employment	0	no control	266
4008	3674	103	1.00	Employment	0	no control	103
4013	3674	60	1.00	Employment	0	no control	60
4014	3679	473	1.00	Employment	0	no control	473
4047	3674	347	1.00	Employment	0	no control	347
4048	3674	70	1.00	Employment	0	no control	70
4431	3674	1,910	1.00	Employment	0.712	Rule 338/RACT	550
4452	3812	138	1.00	Employment	0.43	Rule 336	79
4453	3812	433	1.00	Employment	0.43	Rule 336	247
4456	3672	139	1.00	Employment	0	no control	139
4533	3674	1,376	1.00	Employment	0.456	Rule 338/RACT	749
5001	2673	413	1.00	Employment	0.52	Rule 337/ RACT	198
5002	7312	88	1.34	Employment	0.196	Rule 337	95
5003	2752	72	1.02	Employment	0.196	Rule 337	59
5004	2752	89	1.02	Employment	0.196	Rule 337	73
5005	2752	161	1.02	Employment	0.196	Rule 337	132
5006	2752	167	1.02	Employment	0.196	Rule 337	137
5007	2673	670	1.00	Employment	0.52	Rule 337/RACT	322
5008	2711	117	1.02	Employment	0.448	Rule 337	66
5009	2711	85	1.02	Employment	0.448	Rule 337	48
5010	2752	368	1.02	Employment	0.196	Rule 337	302
5011	2761	185	1.07	Employment	0.196	Rule 337	159
5012	2752	174	1.02	Employment	0.196	Rule 337	143
5013	2673	90	1	Employment	0.196	Rule 337	72
5014	2752	185	1.02	Employment	0.196	Rule 337	152
5016	2677	178	1	Employment	0.196	Rule 337	143
5017	2752	497	1.02	Employment	0.196	Rule 337	408
6001	2511	390	1.00	Employment	0.20	Rule342/346	296
Total:		9,324	Total:				5,966

TABLE 4-1- CONTINUED
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions	
6002	2511	2,439	1.00	Employment	0.2	Rule 342/346	1,951	
6003	3086	465	1.00	Employment	0	no control	465	
6004	3087	270	1.00	Employment	0	no control	270	
6005	2295	513	1.00	Employment	0	no control	513	
6006	3632	224	1.00	Employment	0	no control	224	
6007	3412	141	1.00	Employment	0	no control	141	
6008	3728	137	1.00	Employment	0.43	Rule 336	78	
6009	3999	83	1.00	Employment	0	no control	83	
6010	3069	545	1.00	Employment	0	no control	545	
6011	3545	103	1.00	Employment	0	no control	103	
6012	5511	104	1.13	Employment	0.37	auto refinish national rule	74	
6013	2431	158	1	Employment	0	no control	158	
6014	3446	80	1.00	Employment	0	no control	80	
6015	3172	183	1.00	Employment	0	no control	183	
6016	5511	90	1.13	Employment	0.37	auto refinish national rule	64	
6017	3089	300	1.00	Employment	0.058	Rule 342/346	283	
6018	2295	86	1.00	Employment	0	no control	86	
6019	3052	85	1.00	Employment	0	no control	85	
6020	3695	89	1.00	Employment	0	no control	89	
6021	3949	1,449	1.00	Employment	0	no control	1,449	
6022	3089	102	1.00	Employment	0	no control	102	
6023	3585	140	1.00	Employment	0	no control	140	
6024	4581	79	1.05	Employment	0.43	Rule 336	47	
6025	2434	119	1.00	Employment	0.2	Rule 342/346	95	
6026	2511	604	1.00	Employment	0.2	Rule 342/346	483	
6027	3732	715	1.00	Employment	0.2	Rule 342/346	572	
Total:		9,303					Total:	8,364

TABLE 4-1- CONTINUED
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions	
6028	2434	404	1.00	Employment	0	no control	404	
6029	3479	326	1.00	Employment	0	no control	326	
6031	3089	1,191	1.00	Employment	0	no control	1,191	
6032	3944	100	1.00	Employment	0	no control	100	
6033	3086	183	1.00	Employment	0	no control	183	
6034	2431	159	1.00	Employment	0.2	Rule 342/346	127	
6035	3411	817	1.07	Employment	0	no control	874	
6036	3585	240	1.00	Employment	0	no control	240	
6037	2295	88	1.00	Employment	0	no control	88	
6038	3524	129	1.00	Employment	0	no control	129	
6039	3949	198	1.00	Employment	0	no control	198	
6041	2434	1,212	1.00	Employment	0.173	Rule 342/346	1,002	
6042	2431	346	1.00	Employment	0.2	Rule 342/346	277	
6043	3479	322	1.00	Employment	0.43	Rule 336	184	
6044	3069	91	1.00	Employment	0	no control	91	
6045	2511	192	1.00	Employment	0.2	Rule 342/346	154	
6046	2511	735	1.00	Employment	0.2	Rule 342/346	588	
6047	3694	93	1.00	Employment	0	no control	93	
6048	2434	298	1.00	Employment	0.2	Rule 342/346	238	
6049	2451	364	1.00	Employment	0	no control	364	
6050	3728	109	1.00	Employment	0.43	Rule 336	62	
6051	3441	291	1.07	Employment	0	no control	311	
6053	2431	83	1.00	Employment	0.2	Rule 342/346	66	
6054	2431	707	1.00	Employment	0.2	Rule 342/346	566	
Total:		8,678					Total:	7,857

TABLE 4-1- CONTINUED
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions	
6055	2511	158	1.00	Employment	0.2	Rule 342/346	126	
6056	3086	117	1.00	Employment	0	no control	117	
6057	2431	465	1.00	Employment	0.2	Rule 342/346	372	
6058	3412	192	1.07	Employment	0	no control	205	
6059	2431	85	1.00	Employment	0.2	Rule 342/346	68	
6060	2511	104	1.00	Employment	0.2	Rule 342/346	83	
6061	2511	123	1.00	Employment	0.2	Rule 342/346	98	
6062	3715	97	1.00	Employment	0	no control	97	
6063	3471	88	1.02	Employment	0	no control	90	
6064	3087	145	1.00	Employment	0	no control	145	
6065	3231	88	0.72	Employment	0	no control	63	
6066	2899	144	1.00	Employment	0	no control	144	
6067	2431	318	1.00	Employment	0.2	Rule 342/346	254	
6068	2511	201	1.00	Employment	0.2	Rule 342/346	161	
6069	3721	184	1.00	Employment	0.43	Rule 336	105	
6070	2431	200	1.00	Employment	0	no control	200	
6071	3674	124	1.00	Employment	0	no control	124	
6072	2434	133	1.00	Employment	0.2	Rule 342/346	106	
6073	3999	137	1.00	Employment	0	no control	137	
6074	2434	323	1.00	Employment	0.2	Rule 342/346	258	
6075	2431	176	1.00	Employment	0.2	Rule 342/346	141	
6076	2679	84	1	Employment	0	no control	84	
6077	3312	197	1.00	Employment	0	no control	197	
Total:		3,883					Total:	3,377

TABLE 4-1- CONTINUED
1996 PROJECTED POINT SOURCE EMISSION INVENTORY

PLANT ID	SIC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions	
6078	7699	148	1.27	Employment	0	no control	188	
6079	3086	240	1.00	Employment	0	no control	240	
6080	3086	182	1.00	Employment	0	no control	182	
6081	7699	58	1.16	Population	0	no control	67	
6082	3281	520	0.72	Employment	0	no control	374	
6477	3357	355	1.07	Employment	0	no control	380	
6540	3724	783	1.00	Employment	0.43	Rule 336	446	
7001	3324	1,496	1.07	Employment	0.632	Rule 341/RACT	589	
7002	3312	136	1.00	Employment	0	no control	136	
7003	3369	251	1.02	Employment	0	no control	256	
7004	3354	150	1.07	Employment	0	no control	161	
7510	3325	158	1.07	Employment	0	no control	169	
7531	3325	8	1.07	Employment	0	no control	9	
8001	2074	0	1.13	Employment	0	no control	0	
8016	2051	243	1.13	Employment	0.24	Rule 343	209	
8017	2051	306	1.13	Employment	0.24	Rule 343	263	
8018	2051	396	1.13	Employment	0.24	Rule 343	340	
8019	2051	740	1.13	Employment	0.24	Rule 343	636	
8024	2834	198	1.00	Employment	0	no control	198	
8308	2023	11	1.13	Employment	0	no control	12	
Total:		6,379					Total:	4,855
Totals (ppd)		52,315						40,036
Totals (metric tons per day)		23.8						18.2

TABLE 4-2
1996 PROJECTED AREA SOURCE EMISSION INVENTORY

Area Source Category	AMS SCC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Bulk plants and storage	25-01-050-120	69	1.06	ADOT/MAG	0.404	Rule 351	44
VOC Storage and loading	25-10-000-000	90	1.06	ADOT/MAG	0	no control	95
Tank cleaning	25-05-000-900	36	1.06	ADOT/MAG	0	no control	38
Tank truck unloading - submerged fill	25-01-060-051	425	1.06	ADOT/MAG	0.054	PV valves Stage II vapor recovery-pv valves	426
Tank truck unloading - balance fill	25-01-060-053	9,710	1.06	ADOT/MAG	0.115	PV valves Stage II vapor recovery-pv valves	9,109
Tank trucks in transit	25-05-030-120	196	1.06	ADOT/MAG	0	no control	208
Underground storage tanks	25-01-060-201	2,600	1.06	ADOT/MAG	0	no control	2,756
Vehicle refueling (stage II)	25-01-060-100	25,824	1.06	ADOT/MAG	0.759	Stage II vapor recovery rules	6,597
Aircraft refueling	22-75-900-000	660	1.06	Aviation Op.	0	no control	700
Leaking underground storage tanks	26-60-000-000	644	1.06	ADOT/MAG	0	no control	683
Airport storage	25-01-995-180	25	1.06	ADOT/MAG	0	no control	27
Other industrial	24-40-000-000	701	1.00	Employment	0	no control	701
Pharmaceutical manufacturing	23-01-000-000	181	1.00	Employment	0	no control	181
SUBTOTAL		41,161					21,564

TABLE 4-2- CONTINUED
1996 PROJECTED AREA SOURCE EMISSION INVENTORY

Area Source Category	AMS SCC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Plywood, particle, pulp & chip board	23-07-000-000	72	1.00	Employment	0	no control	72
Secondary metal	23-04-000-000	106	1.07	Employment	0	no control	113
Concrete products	23-05-070-000	271	0.72	Employment	0	no control	195
Bakeries	23-02-050-000	1,067	1.13	Employment	0	no control	1,206
Large appliance	24-01-060-000	1,354	1.00	Employment	0	no control	1,354
Metal coils	24-01-045-000	1,462	1.00	Employment	0	no control	1,462
Paper/fabric	24-01-030-000	103	1.00	Employment	0	no control	103
Wood furniture	24-01-020-000	5,200	1.00	Employment	0	no control	5,200
Factory finished wood	24-01-015-000	2,354	1.00	Employment	0	no control	2,354
Misc. finished wood	24-01-050-000	260	1.00	Employment	0	no control	260
Plastic parts	24-01-035-000	269	1.00	Employment	0	no control	269
Marine	24-01-080-000	123	1.00	Employment	0	no control	123
Machinery and equipment	24-01-055-000	5,869	1.00	Employment	0	no control	5,869
Railroad coatings	24-01-085-000	0	1.00	Employment	0	no control	0
Manufacturing miscellaneous products	24-01-090-000	5,031	1.00	Employment	0	no control	5,031
High performance coatings	24-01-100-000	6,708	1.00	Employment	0	no control	6,708
Other special coatings	24-01-200-000	6,708	1.00	Employment	0	no control	6,708
SUBTOTAL		36,957					37,027

TABLE 4-2- CONTINUED
1996 PROJECTED AREA SOURCE EMISSION INVENTORY

Area Source Category	AMS SCC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Metal furniture	24-01-025-000	700	1.00	Employment	0	no control	700
Architectural coatings	24-01-001-000	27,482	1.16	Population	0.192	Rule 335	25,758
Auto refinishing	24-01-005-000	6,951	1.16	Population	0.37	auto refinish national rule	5,080
Traffic markings	24-01-008-000	3,495	1.16	Population	0.51	Rule 335/national rule	1,987
Degreasing	24-15-000-000	18,740	1.16	Population	0.362	Rule 331	13,869
Dry cleaning - perc (zeroed out)	24-20-000-055	0	1.16	Population	0	no VOC	0
Dry cleaning -s toddard	24-20-000-370	230	1.16	Population	0	no control	267
Graphic arts	24-25-000-000	7,868	1.02	Employment	0.564	Rule 337	3,499
Asphalt-cutback	24-61-021-000	9,208	1.00	Employment	0	no control	9,208
Asphalt- emulsion	24-61-022-000	6,238	1.00	Employment	0	no control	6,238
Asphalt-roofing	24-61-023-000	2,811	1.16	Population	0	no control	3,261
Consumer products	24-65-000-000	37,638	1.16	Population	0.121	national rule	38,377
Pesticide application	24-61-800-000	40,840	0.85	Acres harvest	0	no control	34,714
Other	24-61-900-000	300	1.16	Population	0	no control	348
Industrial - natural gas - external combustion	21-02-006-001	37	1.00	Employment	0	no control	37
Industrial - fuel oil - external combustion	21-02-012-000	11	1.00	Employment	0	no control	11
SUBTOTAL		162,549					143,354

TABLE 4-2- CONTINUED
1996 PROJECTED AREA SOURCE EMISSION INVENTORY

Area Source Category	AMS SCC	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Commerical/institutional - natural gas - external combustion	21-03-006-001	138	1.27	Employment	0	no control	175
Residential - natural gas - external combustion	21-04-006-000	73	1.16	Population	0	no control	85
Commerical/institutional - natural gas - I/C and turbine	21-03-006-002	244	1.16	Population	0	no control	283
POTWs	26-30-020-000	168	1.16	Population	0	no control	195
Landfills	26-20-030-000	1,337	1.00	no landfill growth	0	no control	1,337
On-site incineration	26-01-000-000	121	1.16	Population	0	no control	140
Open burning	26-10-000-000	66	1.00	No growth	0	no control	66
Structural fires	28-10-030-000	880	1.16	Population	0	no control	1,021
Motor Vehicle Fires	28-10-050-000	40	1.16	Population	0	no control	46
SUBTOTALS		3,067					3,348
Total (ppd)		243,734					205,293
Total (metric tons per day)		110.8					93.3

TABLE 4-3
1996 PROJECTED POINT AND AREA SOURCE INVENTORY BY RULE

PLANT ID	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
6001	390	1.00	Employment	0.2	Rule 342 /346	312
6027	715	1.00	Employment	0.2	Rule 342 /346	572
6026	604	1.00	Employment	0.2	Rule 342 /346	483
6034	159	1.00	Employment	0.2	Rule 342 /346	127
6025	119	1.00	Employment	0.2	Rule 342 /346	95
6017	87	1.00	Employment	0.2	Rule 342 /346	70
6041	1,051	1.00	Employment	0.2	Rule 342 /346	841
6042	346	1.00	Employment	0.2	Rule 342 /346	277
6045	192	1.00	Employment	0.2	Rule 342 /346	154
6046	735	1.00	Employment	0.2	Rule 342 /346	588
6002	2,439	1.00	Employment	0.2	Rule 342 /346	1,951
6048	298	1.00	Employment	0.2	Rule 342 /346	238
6053	83	1.00	Employment	0.2	Rule 342 /346	66
6054	707	1.00	Employment	0.2	Rule 342 /346	566
6055	158	1.00	Employment	0.2	Rule 342 /346	126
6057	465	1.00	Employment	0.2	Rule 342 /346	372
6059	85	1.00	Employment	0.2	Rule 342 /346	68
6060	104	1.00	Employment	0.2	Rule 342 /346	83
6061	123	1.00	Employment	0.2	Rule 342 /346	98
6067	318	1.00	Employment	0.2	Rule 342 /346	254
6068	201	1.00	Employment	0.2	Rule 342 /346	161
6072	133	1.00	Employment	0.2	Rule 342 /346	106
6074	273	1.00	Employment	0.2	Rule 342 /346	218
6075	176	1.00	Employment	0.2	Rule 342 /346	141
Total Rules 342/346	9,961					7,969

TABLE 4-3 - CONTINUED
1996 PROJECTED POINT AND AREA SOURCE INVENTORY BY RULE

PLANT ID	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
6024	79	1.05	Employment	0.43	Rule 336	47
1209	374	1	LUKE	0.43	Rule 336	213
1218	225	0.65	AV Forecasts	0.43	Rule 336	83
6043	322	1.00	Employment	0.43	Rule 336	184
6008	137	1.00	Employment	0.43	Rule 336	78
6050	109	1.00	Employment	0.43	Rule 336	62
6069	184	1.00	Employment	0.43	Rule 336	105
6540	783	1.00	Employment	0.43	Rule 336	446
4453	433	1.00	Employment	0.43	Rule 336	247
4452	138	1.00	Employment	0.43	Rule 336	79
Total - Rule 336	2,784					1,544
5003	72	1.02	Employment	0.196	Rule 337	59
5013	90	1	Employment	0.196	Rule 337	72
5017	497	1.02	Employment	0.196	Rule 337	408
5016	178	1	Employment	0.196	Rule 337	143
5014	185	1.02	Employment	0.196	Rule 337	152
5012	174	1.02	Employment	0.196	Rule 337	143
5011	185	1.07	Employment	0.196	Rule 337	159
5010	368	1.02	Employment	0.196	Rule 337	302
5008	117	1.02	Employment	0.448	Rule 337	66
5009	85	1.02	Employment	0.448	Rule 337	48
5006	167	1.02	Employment	0.196	Rule 337	137

TABLE 4-3 - CONTINUED
1996 PROJECTED POINT AND AREA SOURCE INVENTORY BY RULE

PLANT ID	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
5005	161	1.02	Employment	0.196	Rule 337	132
5004	89	1.02	Employment	0.196	Rule 337	73
5002	88	1.34	Employment	0.196	Rule 337	95
area sources	7,868	1.02	Employment	0.564	Rule 337	3,499
Total - Rule 337	8,206					3,799
8016	243	1.13	Employment	0	Rule 343	275
8017	306	1.13	Employment	0	Rule 343	346
8018	396	1.13	Employment	0.648	Rule 343	158
8019	740	1.13	Employment	0.648	Rule 343	294
Total - Rule 343	1,685					1,072
3556	1,247	1.06	ADOT/MAG	0.404	Rule 351	788
3555	4,014	1.06	ADOT/MAG	0.404	Rule 351	2,536
3452	550	1.06	ADOT/MAG	0.404	Rule 351	347
3437	597	1.06	ADOT/MAG	0.404	Rule 351	377
3329	976	1.06	ADOT/MAG	0.404	Rule 351	617
3324	2,111	1.06	ADOT/MAG	0.404	Rule 351	1,334
3323	67	1.06	ADOT/MAG	0.404	Rule 351	42
3302	96	1.06	ADOT/MAG	0.404	Rule 351	61
3038	41	1.06	ADOT/MAG	0.404	Rule 351	26
Total - Rule 351	9,699					6,127
Stage I submerged fill	425	1.06	ADOT/MAG	0.054	Rule 353	426
Stage I balance fill	9,710	1.06	ADOT/MAG	0.115	Rule 353	9,109

PLANT ID	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Total - Rule 353	10,135					9,535

TABLE 4-3 - CONTINUED
1996 PROJECTED POINT AND AREA SOURCE INVENTORY BY RULE

PLANT ID	1990 EI	1996 Growth Factor	1996 Growth Reference	1996 Control Factor	1996 Control Reference	1996 Controlled Emissions
Stage II VR	25,824	1.06	ADOT/MAG	0.759	Stage II	6,597
Consumer products	37,638	1.16	Population	0.124	national rule	38,246
Auto refinishing	6,951	1.16	Population	0.37	national rule	5,080
Architectural coatings	27,482	1.16	Population	0.18	Rule 335	26,141
Traffic markings	3,495	1.16	Population	0.48	Rule 335	2,108
Total - Rule 335	30,977					28,249
Totals (ppd)	68,906					44,399
Totals (metric tons per day)	31.3					20.2

TABLE 4-4
CALCULATION OF REDUCTION FROM NATIONAL ARCHITECTURAL
AND INDUSTRIAL MAINTENANCE COATING RULE

Total 1990 inventory from architectural coatings and industrial maintenance coatings in Maricopa County is 27,482 lb per day (architectural coatings) + 3,495 (traffic markings) = 30,977 lb per day or 14,080 kg per day. *1990 Base Year Inventory*, p. 3-43 and *1996 Baseline Projection Inventory*, p. 27

Growth surrogate for architectural coatings is population with a growth factor from 1990-1996 of 1.16. *1996 Baseline Projection Inventory*, p. 60.

Speciality AIM coatings (in this case, all but flat and nonflat architectural coatings) represent 70 percent of total emissions in category; therefore, flat and nonflat architectural coatings represent 30 percent of total emissions in the AIM category (AIM Background Information Document (BID), p. 2-24)

flat and nonflat coatings = $0.3 \times 14,080 \text{ kg per day} = 6,053 \text{ kg/d}$
 speciality coatings = $0.7 \times 14,080 \text{ kg per day} = 9,856 \text{ kg/d}$

Percent of inventory numbers are from the AIM BID, Table 2-3, p. 2-26 and Percent Control numbers except for (roof coatings and traffic markings) are from the AIM BID, Table 5-1, p. 5-10. Percent control for roof coatings and traffic markings is calculated as a reduction from MCESD's limits.

CATEGORY	PERCENT OF INVENTORY	INVENTORY (KG/D)*	MCESD LIMIT (GRAMS VOC/LITER)	NATIONAL LIMIT (GRAMS VOC/LITER)	PERCENT CONTROL	REDUCTION (KG/D)
Antenna coatings	N/A	0	--	530	0	0
Anti-fouling coatings	N/A	0	--	400	0	0
Anti-graffiti coatings	0.01	--	--	600	0	0
Bituminous coatings and mastics	0.74	--	420	500	0	0
Bond Breakers	N/A	0	--	600	0	0
Chalkboard resurfacers	<0.01	--	--	450	0	0
Concrete curing compounds	0.31	--	350	350	0	0
Concrete protective coatings	N/A	0	--	400	0	0

TABLE 4-4-CONTINUED
CALCULATION OF REDUCTION FROM NATIONAL ARCHITECTURAL
AND INDUSTRIAL MAINTENANCE COATING RULE

Dry fog coatings - flat	1.67	--	420	400	0	0
Dry fog coatings - nonflat		--	400	400	0	0
CATEGORY	PERCENT OF INVENTORY	INVENTORY (KG/D)	MCESD LIMIT (GRAMS VOC/LITER)	NATIONAL LIMIT (GRAMS VOC/LITER)	PERCENT CONTROL	REDUCTION (KG/D)
Extreme high durability coatings	N/A	0	--	800	0	0
Fire-retardant/resistant coatings - clear	<0.01	0	--	850	0	0
Fire-retardant/resistant coatings - opaque			--	450	0	0
Flat coatings - exterior	10.5	--	250	250	0	0
Flat coatings - interior			250	250	0	0
Floor coatings	N/A	0	--	400	0	0
Flow coatings	N/A	0	--	650	0	0
Form release compounds	<0.01	0	--	450	0	0
Graphic arts coatings	0.15	--	--	500	0	0
Heat reactive coatings	N/A	0	--	420	0	0
High temperature coatings	0.11	--	--	650	0	0
Impact immersion coating	N/A	0	--	780	0	0
Industrial maintenance coatings	16.45	--	420	450	0	0
Lacquers (including lacquer sanding sealers)	4.8	--	680	680	0	0

TABLE 4-4-CONTINUED
CALCULATION OF REDUCTION FROM NATIONAL ARCHITECTURAL
AND INDUSTRIAL MAINTENANCE COATING RULE

Magnesite cement coatings	0.01	--	--	600	0	0
Mastic texture coatings	0.43	60.5	--	300	3	2
CATEGORY	PERCENT OF INVENTORY	INVENTORY (KG/D)	MCESD LIMIT (GRAMS VOC/LITER)	NATIONAL LIMIT (GRAMS VOC/LITER)	PERCENT CONTROL	REDUCTION (KG/D)
Metallic pigmented coatings	3.9	549	--	500	2	11
Multi-color coatings	0.2	--	--	580	0	0
Nonferrous ornamental metal lacquers and surface protectants	N/A	0	--	870	0	0
Nonflat coatings - exterior	19.0	--	250	380	0	0
Nonflat coatings - interior			250			
Nuclear coatings	N/A	N/A	--	420	0	0
Pretreatment wash primers	0.18	--	350	780	0	0
Primers and undercoaters	7.97	--	350	350	0	0
Quick-dry coatings - enamals	1.18	--	400	450	0	0
Quick-dry coatings - primers, sealers, and undercoaters	2.29	--	--	450	0	0
Repair and maintenance thermoplastic coatings	N/A	0	420	650	0	0
Roof coatings	8.15	1148	300	250	23	263
Rust preventative coatings	N/A	N/A	350	400	0	0
Sanding sealers	0.58	--	350	550	0	0

TABLE 4-4-CONTINUED
CALCULATION OF REDUCTION FROM NATIONAL ARCHITECTURAL
AND INDUSTRIAL MAINTENANCE COATING RULE

Sealers	1.92	--	350	400	0	0
Shellacs - clear	0.81	--	--	650	0	0
CATEGORY	PERCENT OF INVENTORY	INVENTORY (KG/D)	MCESD LIMIT (GRAMS VOC/LITER)	NATIONAL LIMIT (GRAMS VOC/LITER)	PERCENT CONTROL	REDUCTION (KG/D)
Shellacs - opaque	(part of shellacs)	--	--	550	0	0
Stains - opaque	4.66	--	350	350	0	0
Stains - clear and semitransparent	9.63	--	350	550	0	0
Stains - low solids	N/A	N/A	350	120	0	0
Swimming pool coatings	0.14	--	--	600	0	0
Thermoplastic rubber coatings and mastics	N/A	0	--	550	0	0
Traffic marking paints	13.78	2757**	250	150	0.32	882
Varnishes	4.92	--	350	450	0	0
Waterproofing sealers and treatments- clear	9.1	--	400	600	0	0
Waterproofing sealers and treatments - opaque	0.9	--	400	400	0	0
Wood preservatives - below ground	0.11	15.5	--	550	26	4
Wood preservatives - clear and semitransparent	4.27	--	350	550	0	0
Wood preservatives - opaque	0.42	--	350	350	0	0

TABLE 4-4-CONTINUED
CALCULATION OF REDUCTION FROM NATIONAL ARCHITECTURAL
AND INDUSTRIAL MAINTENANCE COATING RULE

Wood preservatives - low solids	N/A	--	350	120	0	0
CATEGORY	PERCENT OF INVENTORY	INVENTORY (KG/D)	MCESD LIMIT (GRAMS VOC/LITER)	NATIONAL LIMIT (GRAMS VOC/LITER)	PERCENT CONTROL	REDUCTION (KG/D)
Total reductions						1162

* No inventory number was calculated if no additional control was expected for the source category from the national rule.

** Assumes Maricopa Rule limit of 250 is already in place