

**Proposed Amendments to the California Clean Air Act
Nonvehicular Source Fee Regulations**
"Fee Nexus" Emission Inventory Description
June 30, 2003

Background

The "Fee Nexus" emission inventory information referenced in the *"Initial Statement of Reasons for Proposed Amendments to the California Clean Air Act Nonvehicular Source Fee Regulations"*, released on June 6, 2003, combines data from two Air Resources Board (ARB) databases:

- 1) California Emission Inventory Database And Reporting System (CEIDARS);
- 2) Stationary Source Division (SSD) Survey Data.

CEIDARS is the database used to store data from past years up to the most current year of 2001. The survey data from SSD determines the inventories for Consumer Products and Architectural Coatings.

Attainment Areas

Emissions from sources in attainment areas are not listed in the "Fee Nexus" inventory because they are not subject to fees under the regulation. "Attainment" means the area is either in attainment for state ambient air quality standards or overwhelming transport of emissions from other areas prevents the area from achieving attainment. The following counties are classified as "Attainment" for this purpose:

"Attainment" for ROG, NO_x, SO_x, and PM₁₀:

- 1) Amador County;
- 2) Lake County;
- 3) Mariposa County; and
- 4) Tuolumne County.

"Attainment" for CO:

- 1) All counties except Los Angeles County.

Emissions Excluded From the "Fee Nexus" Emission Inventory

Emissions from the following sources have been omitted from the "Fee Nexus" determination because the ARB either expends little or no resources on controlling these categories or they are covered under ARB's mobile source program:

- 1) Windblown, Paved and Unpaved Roads, and Farming Operations Dust;
- 2) Asphalt Paving/Roofing;
- 3) Livestock Waste;
- 4) Construction and Demolition;
- 5) Pesticides;
- 6) Fires (Automobile and Structural);
- 7) Residential Fireplace and Water Heaters; and
- 8) Cooking.

“Fee Nexus” Emission Inventory

Stationary Source Program Emission Inventory

Stationary Sources	2001 Annual Emissions (Tons/Year)					
	ROG	NOx	SOx	CO	PM10	TOTAL
FACILITIES (Billable Emissions, >= 250 tons)	9,900	79,970	36,121	7,706	6,341	140,038
FACILITIES (Non-Billable Emissions, < 250 tons)	42,633	37,938	8,201	5,957	25,853	120,582
ADHESIVES AND SEALANTS	8,894					8,894
CHEMICAL	2,906	0			571	3,477
COATINGS AND RELATED PROCESS SOLVENTS	31,158	7	3		13	31,182
COGENERATION	875	1,246	53	5	144	2,323
DEGREASING	19,977					19,977
FOOD AND AGRICULTURAL PROCESSING	1,413	12,352	859	28	1,182	15,834
FOOD AND AGRICULTURE	5,845	3,288	184	4	1,900	11,221
LANDFILLS	4,710				8	4,719
LAUNDERING	176	9	0	1	0	187
MANUFACTURING AND INDUSTRIAL	1,938	35,538	2,594	3,093	1,119	44,282
METAL PROCESSES	60	12	4	6	63	146
MINERAL PROCESSES	453	696	914	23	5,930	8,017
OIL AND GAS PRODUCTION	15,143	741				15,883
OIL AND GAS PRODUCTION (COMBUSTION)	695	6,487	28	29	164	7,403
OTHER (CLEANING AND SURFACE COATINGS)	1,627					1,627
OTHER (FUEL COMBUSTION)	1,677	25,734	3,716	2,760	778	34,665
OTHER (INDUSTRIAL PROCESSES)	2,602	20	1		56	2,680
OTHER (WASTE DISPOSAL)	1,327	0			0	1,327
PETROLEUM MARKETING	29,109					29,109
PRINTING	3,515				44	3,560
SERVICE AND COMMERCIAL	1,181	14,439	399	207	866	17,093
WOOD AND PAPER	263	55	0		1,859	2,177
Total Stationary Sources	188,076	218,534	53,078	19,820	46,892	526,401

2001 Annual Emissions (Tons/Year)

Areawide Sources	ROG	NOx	SOx	CO	PM10	TOTAL
ARCHITECTURAL COATINGS (Billable Emissions, >= 250 tons)	37,361					37,361
ARCHITECTURAL COATINGS (Non-Billable Emissions, < 250 tons)	13,155					13,155
CONSUMER PRODUCTS (Billable Emissions, >= 250 tons)	57,600					57,600
CONSUMER PRODUCTS (Non-Billable Emissions, < 250 tons)	39,621					39,621
AGRICULTURAL BURNING	7,856	1,618	12	17	10,669	20,173
NON-AG BURNING (RANGE IMPROVEMENT, WEED ABATEMENT)	19,576	3,539	123	20,233	35,536	79,007
Total Areawide Sources	175,169	5,157	135	20,250	46,205	246,917

Total “Fee Nexus” Stationary Source Program Emission Inventory

363,245 223,691 53,214 40,071 93,097 773,318

Sources Excluded From “Fee Nexus” Emission Inventory

2001 Annual Emissions (Tons/Year)

Stationary Sources (Attainment Area Emissions)	ROG	NOx	SOx	CO	PM10	TOTAL
FACILITIES (Emissions, >= 250 tons)	263			69,648	842	70,753
FACILITIES (Emissions, < 250 tons)	170	749	160	24,799	744	26,622
ADHESIVES AND SEALANTS	75					75
CHEMICAL				2		2
COATINGS AND RELATED PROCESS SOLVENTS	405			7		412
COGENERATION	103	238	33	992	38	1,403
DEGREASING	94					94
FOOD AND AGRICULTURAL PROCESSING	82		23	18,097	4	18,206
FOOD AND AGRICULTURE	16		36	767		819
LAUNDERING	2			1		3
MANUFACTURING AND INDUSTRIAL	3	425	37	9,290	19	9,775
METAL PROCESSES				3		3
MINERAL PROCESSES	4	32	2	647	463	1,148
OIL AND GAS PRODUCTION				94		94
OIL AND GAS PRODUCTION (COMBUSTION)				2,551		2,551
OTHER (FUEL COMBUSTION)	5	89	17	9,310	2	9,423
OTHER (INDUSTRIAL PROCESSES)				150		150
OTHER (WASTE DISPOSAL)	2					2

2001 Annual Emissions (Tons/Year)

Stationary Sources (Attainment Area Emissions) - Continued	ROG	NOx	SOx	CO	PM10	TOTAL
PETROLEUM MARKETING	151					151
PRINTING	0					0
SERVICE AND COMMERCIAL	2	56	0	2,102	8	2,167
WOOD AND PAPER	149		0	110		259
Total Attainment Area Stationary Sources Emissions	1,525	1,589	309	138,569	2,120	144,111

Areawide Sources (Attainment Area Emissions)						
AGRICULTURAL BURNING	41			90,637	64	90,742
NON-AG BURNING (RANGE IMPROVEMENT, WEED ABATEMENT)	573	79	13	361,304	916	362,886
Total Attainment Area Areawide Sources Emissions	614	79	13	451,941	980	453,627

Areawide Sources (Little or no resources spent by ARB) In Non-Attainment Areas						
ASPHALT PAVING (Counted as Mobile)	9,651					9,651
ASPHALT ROOFING	600				13	613
CONSTRUCTION AND DEMOLITION (Counted as Mobile)					67,436	67,436
COOKING	2,021				8,917	10,938
FARMING OPERATIONS - DUST (Counted as Mobile)					59,435	59,435
FIRES	248	85		670	407	1,409
FUGITIVE WINDBLOWN DUST					112,226	112,226
LIVESTOCK WASTES	35,549					35,549
OTHER - MISCELLANEOUS PROCESSES	120	29			447	597
PAVED ROAD DUST (Counted as Mobile)					142,855	142,855
PESTICIDES/FERTILIZERS	17,825					17,825
RESIDENTIAL FUEL COMBUSTION	19,285	27,989	1,422	9,685	41,000	99,379
UNPAVED ROAD DUST (Counted as Mobile)					190,229	190,229
Subtotal In Non-Attainment Areas	85,298	28,102	1,422	10,355	622,964	748,141

2001 Annual Emissions (Tons/Year)

<i>In Attainment Areas</i>	<i>ROG</i>	<i>NOx</i>	<i>SOx</i>	<i>CO</i>	<i>PM10</i>	<i>TOTAL</i>
ASPHALT PAVING (Counted as Mobile)	774					774
CONSTRUCTION AND DEMOLITION (Counted as Mobile)					296	296
COOKING	8				25	34
FARMING OPERATIONS - DUST (Counted as Mobile)					204	204
FIRES	2	0		2,848	3	2,852
FUGITIVE WINDBLOWN DUST					117	117
OTHER - MISCELLANEOUS PROCESSES				545		
PAVED ROAD DUST (Counted as Mobile)					1,140	1,140
PESTICIDES/FERTILIZERS	24					24
RESIDENTIAL FUEL COMBUSTION	954	281	73	286,991	1,919	290,219
UNPAVED ROAD DUST (Counted as Mobile)					7,640	7,640
<i>Subtotal In Attainment Areas</i>	<i>1,762</i>	<i>281</i>	<i>73</i>	<i>290,384</i>	<i>11,344</i>	<i>303,300</i>
Total Areawide Sources (Little or no resources spent by ARB)	87,060	28,384	1,495	300,738	634,308	1,051,440

Total Sources Excluded From “Fee Nexus” Emission Inventory

89,199 30,052 1,817 891,248 637,408 1,649,179

Grand Total (All Non-Vehicular Sources)

452,444 253,743 55,031 931,318 730,505 2,422,497