

Attachment 1

Table 1

**Bay Area Winter Emissions Inventory for Primary PM2.5 & PM Precursors:
Year 2010**

SOURCE CATEGORY	Winter Emissions tons/day				
	PM2.5	ROG	NOx	SO2	NH3*
INDUSTRIAL/COMMERCIAL PROCESSES					
PETROLEUM REFINING FACILITIES					
Basic Refining Processes	0.1	0.2	--	0.2	0.1
Wastewater (Oil-Water) Separators	--	1.2	--	--	--
Wastewater Treatment Facilities	--	0.5	--	--	--
Cooling Towers	--	0.9	--	--	--
Flares & Blowdown Systems	--	0.8	1.2	0.6	--
Other Refining Processes	--	0.3	--	--	--
Fugitives	--	0.5	--	--	--
Subtotal	0.2	4.3	1.2	0.9	0.1
CHEMICAL MANUFACTURING FACILITIES					
Coating, Inks, Resins & Other Facilities	--	0.1	0.1	2.7	0.2
Pharmaceuticals & Cosmetics	0.4	0.8	1.4	3.2	--
Fugitives - Valves & Flanges	--	0.6	--	--	--
Subtotal	0.4	1.5	1.5	5.9	0.2
OTHER INDUSTRIAL/COMMERCIAL PROCESSES					
Bakeries	--	0.8	--	--	--
Cooking(Charbroiling)	1.5	0.9	--	--	--
Cooking(Deep Fat Frying)	0.1	0.1	--	--	--
Cooking(Griddles)	0.2	0.1	--	--	--
Wineries & Other Food & Agr. Processes	0.3	1.1	--	--	--
Metallurgical & Minerals Manufacturing	1.8	0.2	0.2	0.2	0.3
Waste Management	0.6	3.1	--	--	5.5
Semiconductor Manufacturing	--	0.2	--	--	0.0
Fiberglass Products Manufacturing	--	0.1	--	--	--
Rubber & Plastic Products Manufacturing	--	0.3	--	--	--
Contaminated Soil Aeration	--	0.1	--	--	--
Other Industrial Commercial	0.4	0.9	--	--	0.0
Subtotal	4.9	7.9	0.3	0.3	5.9
PETROLEUM PRODUCT/SOLVENT EVAPORATION					
PETROLEUM REFINERY EVAPORATION					
Storage Tanks	--	3.3	--	--	--
Loading Operations	0.1	0.1	--	--	--
Subtotal	0.1	3.4	--	--	--
FUELS DISTRIBUTION					
Natural Gas Distribution	--	0.7	--	--	--
Bulk Plants & Terminals	--	0.7	--	--	--
Trucking	--	2.6	--	--	--
Gasoline Filling Stations	--	5.2	--	--	--
Aircraft Fueling	--	1.1	--	--	--
Recreational Boat Fueling	--	0.9	--	--	--
Portable Fuel Container Spillage	--	3.8	--	--	--
Other Fueling	--	0.4	--	--	--
Subtotal	--	15.3	--	--	--

*Ammonia emission estimates were provided by the Air Resources Board. The ARB ammonia emissions data is reported in this table using the Air District's emissions inventory format.

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Winter Emissions tons/day					
SOURCE CATEGORY	PM2.5	ROG	NOx	SO2	NH3*
OTHER ORGANIC COMPOUNDS EVAPORATION					
Cold Cleaning	--	2.7	--	--	--
Vapor Degreasing	--	--	--	--	--
Handwiping	--	2.3	--	--	--
Dry Cleaners	--	0.6	--	--	--
Printing	--	4.1	--	--	--
Adhesives & Sealants	--	9.7	--	--	--
Structures Coating	--	21.2	--	--	--
Industrial/Commercial Coating	--	8.1	--	--	--
Storage Tanks	--	0.8	--	--	--
Lightering & Ballsting	--	--	--	--	--
Other Organics Evaporation	--	1.5	--	--	--
Subtotal	--	51.0	--	--	--
COMBUSTION - STATIONARY SOURCES					
FUELS COMBUSTION					
Natural Gas(Space/Water Heating/Cooking)	1.7	1.0	18.3	0.1	--
LPG and Liquid Fuel	--	--	0.5	0.3	--
Solid Fuel (Woodstoves)	3.7	2.8	0.5	0.1	0.5
Solid Fuel (Fireplaces)	13.1	5.3	1.1	0.2	1.2
Cogeneration	0.7	1.9	3.9	0.3	0.6
Power Plants	0.3	0.1	1.0	0.1	0.1
Oil Refineries External Combustion	2.4	1.0	10.5	14.0	0.5
Glass Melting Furnaces - Natural Gas	--	--	0.9	--	--
Reciprocating Engines	0.2	0.5	2.9	0.1	--
Turbines	0.1	--	0.8	--	--
Landfill/Cement Plant Combustion	1.6	1.4	15.4	3.0	--
Subtotal	23.8	14.0	55.6	18.2	2.8
BURNING OF WASTE MATERIAL					
Incineration	0.1	0.1	0.2	--	--
Planned Fires	0.4	0.4	0.2	--	--
Subtotal	0.5	0.4	0.4	--	--
Banked Emissions	--	--	--	--	--
Alternative Compliance Allowance	--	--	--	--	--
Subtotal (All stationary source categories)	29.8	97.9	59.0	25.3	9.0
COMBUSTION - MOBILE SOURCES					
ON-ROAD MOTOR VEHICLES					
Passenger Cars	2.3	42.1	35.5	0.4	3.7
Light Duty Trucks<6000lbs	1.0	23.4	27.1	0.2	2.3
Medium Duty Trucks 6001-8500 lbs	0.5	10.1	17.9	0.2	1.8
Light Heavy Duty Trucks 8501-14000lbs	0.4	6.2	23.1	0.1	0.6
Medium Heavy Duty Trucks 14001-33000lbs	0.8	2.4	21.6	--	0.1
Heavy Heavy Duty Trucks>33000 lbs	1.6	2.8	51.7	0.1	0.1
School/Urban Buses	0.6	1.4	16.9	--	0.0
Motor-Homes	--	1.4	1.4	--	0.0
Motorcycles	--	17.5	2.3	--	0.0
Subtotal	7.3	107.4	197.6	0.9	8.7

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Winter Emissions tons/day					
SOURCE CATEGORY	PM2.5	ROG	NOx	SO2	NH3*
OFF-HIGHWAY MOBILE SOURCES					
Lawn and Garden Equipment	0.2	13.6	2.1	--	--
Transportation Refrigeration Units	0.6	1.9	7.7	--	--
Agricultural Equipment	0.3	1.0	5.9	--	--
Construction and Mining Equipment	0.6	1.6	11.7	--	0.0
Industrial Equipment	0.2	1.1	6.5	--	--
Light Duty Commercial Equipment	0.6	4.5	7.4	--	--
Trains	0.2	0.9	10.7	--	--
Off Road Recreational Vehicles	--	1.3	--	--	--
Ships	0.2	0.4	8.3	1.8	--
Commercial Harborcraft	0.6	1.2	16.1	--	--
Recreational Boats	0.5	8.5	2.3	--	--
Subtotal	4.0	35.9	78.7	1.9	0.0
AIRCRAFT					
Commercial Aircraft	0.1	2.4	9.1	0.8	--
General Aviation	0.1	0.5	0.1	--	--
Military Aircraft	0.1	0.7	1.7	0.1	--
Airport Ground Support Equipment	--	0.1	0.8	--	--
Subtotal	0.3	3.7	11.7	0.9	0.0
Subtotal (All mobile source categories)	11.6	147.0	288.0	3.7	8.7
MISCELLANEOUS OTHER SOURCES					
Construction Operations	1.0	--	--	--	--
Farming Operations	0.2	--	--	--	--
Entrained Road Dust-Paved Roads	3.5	--	--	--	--
Entrained Road Dust-Unpaved Roads	0.4	--	--	--	--
Wind Blown Dust	0.7	--	--	--	--
Animal Waste	0.9	3.9	--	--	10.9
Agricultural Pesticides	--	0.6	--	--	1.1
Non-Agricultural Pesticides	--	0.3	--	--	--
Consumer Products(Excluding Pesticides)	--	44.1	--	--	0.5
Accidental Fires and Cigarette Smoking	1.2	0.4	0.2	--	--
Human Perspiration/Waste	0.0	0.0	0.0	0.0	7.2
Subtotal	7.9	49.2	0.2	--	19.6
Subtotal: All Stationary Source Categories	29.8	97.9	59.0	25.3	9.0
Subtotal: All Mobile Source Categories	11.6	147.0	288.0	3.7	8.7
Subtotal: All Miscellaneous Other Sources	7.9	49.2	0.2	--	19.6
GRAND TOTAL EMISSIONS	49	294	347	29	37

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