

APPENDIX A

Updated CEIDARS Table with PM2.5 Fractions

Appendix A – Updated CEIDARS List with PM2.5 Fractions
Table A - Updated CEIDARS Table with PM2.5 Fractions

SCC MAIN CATEGORY	SCC SUBCATEGORY	PM2.5 FRACTION OF TOTAL PM	PM10 FRACTION OF TOTAL PM	PM2.5 FRACTION OF PM10
ASBESTOS REMOVAL		0.500	0.500	1.000
ASPHALT PAVING / ROOFING	FUGITIVE EMISSIONS	0.925	0.960	0.964
	MANUFACTURING	0.945	0.980	0.964
BURNING	AGRICULTURE/FIELD CROPS, WEED ABATEMENT	0.938	0.984	0.954
	FOREST MANAGEMENT, TIMBER AND BRUSH FIRE	0.854	0.961	0.889
	ORCHARD PRUNINGS	0.925	0.981	0.943
	RANGE MANAGEMENT, WASTE BURNING	0.932	0.983	0.948
	UNPLANNED STRUCTURAL FIRES	0.914	0.980	0.933
CEMENT MANUFACTURING		0.620	0.920	0.674
CHEMICAL MANUFACTURING	FERTILIZER-UREA	0.950	0.960	0.990
	ORGANIC AND INORGANIC CHEMICALS	0.890	0.900	0.989
COATINGS, SOLVENTS, INKS AND DYES	SOLVENT BASED	0.925	0.960	0.964
	WATER-BASED COATING	0.620	0.680	0.912
CONSUMER PRODUCTS		0.925	0.960	0.964
COOKING	BAKING, CHARBROILING, DEEP FAT FRYING	0.420	0.700	0.600
COOLING TOWER		0.420	0.700	0.600
DRY CLEANING		0.925	0.960	0.964
ELECTROPLATING	HEXAVALENT CHROME, CADMIUM	1.000	1.000	1.000
	ZINC AND COPPER	0.925	0.960	0.964
EXTERNAL COMBUSTION	COAL, COKE, LIGNITE	0.150	0.400	0.375
	GASEOUS FUEL-EXCEPT PETROLEUM AND INDUSTRIAL PROCESS HEATERS	1.000	1.000	1.000
	GASEOUS FUEL-PETROLEUM AND INDUSTRIAL PROCESS HEATER ONLY	0.930	0.950	0.979
	LIQUID FUEL-EXCEPT RESIDUAL OIL	0.967	0.976	0.991
	RESIDUAL OIL-EXCEPT UTILITY BOILERS	0.760	0.870	0.874
	RESIDUAL OIL-UTILITY BOILERS ONLY	0.953	0.970	0.982
	STEEL FURNACE	0.930	0.980	0.949
	WOOD/BARK WASTE	0.927	0.997	0.930
FABRICATED METALS	ABRASIVE BLASTING	0.790	0.860	0.919
	ARC WELDING, OXY FUEL, COPPER, ZINC, BATH	0.925	0.960	0.964
FOOD AND AGRICULTURE	COFFEE ROASTING	0.610	0.620	0.984
	FERMENTATION, RENDERING, FISH AND NUT PROCESSING	0.420	0.700	0.600
	GRAIN ELEVATORS	0.010	0.290	0.034
	GRAIN MILLING, DRYING	0.400	0.540	0.741
	LIVESTOCK WASTE	0.420	0.700	0.600
FUGITIVE DUST	AGRICULTURAL TILLING DUST	0.101	0.454	0.222
	CONSTRUCTION AND DEMOLITION	0.102	0.489	0.208
	LANDFILL DUST	0.102	0.489	0.208
	LIVESTOCK DUST	0.055	0.482	0.114
	PAVED ROAD DUST	0.077	0.457	0.169
	UNPAVED ROAD DUST	0.126	0.594	0.212
FUGITIVE EMISSIONS - ORGANIC AND INORGANIC	LIQUID FUEL STORAGE/HANDLING, LOADING, UNLOADING DISPENSING	0.925	0.960	0.964
	NATURAL GAS PRODUCTION, CRUDE OIL PRODUCTION, PETROLEUM REFINING	0.555	0.610	0.910
	ORGANIC AND INORGANIC CHEMICALS	0.925	0.960	0.964
	PROCESSING	0.925	0.960	0.964
	WELL CEMENTS, PUMPS, VALVES, FLANGES, SEALS	0.925	0.960	0.964

Table A - Updated CEIDARS Table with PM2.5 Fractions (Continued)

SCC MAIN CATAGORY	SCC SUBCATAGORY	PM2.5 Fraction of Total PM	PM10 Fraction of Total PM	PM2.5 Fraction of PM10
HEALTH CARE, LABS	STERILIZATION	0.420	0.700	0.600
INCINERATOR, AFTERBURNER, FLARES	GASEOUS FUEL	1.000	1.000	1.000
	LIQUID FUEL	0.967	0.976	0.991
	SOLID FUEL	0.200	0.300	0.667
INTERNAL COMBUSTION	DISTILLATE AND DIESEL-ELECTRIC GENERATION	0.937	0.960	0.976
	DISTILLATE AND DIESEL-EXCEPT ELECTRIC GENERATION	0.967	0.976	0.991
	GASEOUS FUEL	0.992	0.994	0.998
	GASOLINE	0.992	0.994	0.998
	JET FUEL	0.967	0.976	0.991
	SOLID PROPELLANT	0.927	0.997	0.930
MINERAL PROCESS LOSS	BRICK, CEMENT, FIBERGLASS, GLASS MFG.	0.146	0.500	0.292
	COAL CLEANING, SURFACE COAL MINE, NONMETALLIC MINERAL	0.146	0.500	0.292
	GRINDING, CRUSHING, SURFACE BLASTING	0.146	0.500	0.292
	LOADING AND UNLOADING BULK MATERIALS	0.146	0.500	0.292
MINERAL PRODUCTS	CLAY AND RELATED PRODUCTS GRINDING OPERATIONS	0.513	0.560	0.916
	CRUSHING, SCREENING, BLASTING, LOADING AND UNLOADING	0.030	0.100	0.300
	FIBERGLASS MANUFACTURING	0.992	0.994	0.998
	GLASS MELTING FURNACE	0.963	0.980	0.983
	GYPSPUM MANUFACTURING	0.495	0.880	0.563
	LIME MANUFACTURING	0.117	0.300	0.390
	STONE QUARRYING	0.146	0.500	0.292
OFF-ROAD EQUIPMENT	DIESEL	0.920	1.000	0.920
	GASEOUS FUEL	0.992	0.994	0.998
	GASOLINE	0.680	0.900	0.756
ON-ROAD VEHICLES	BRAKE WEAR	0.420	0.980	0.429
	DIESEL	0.920	1.000	0.920
	GASOLINE-CATALYST	0.900	0.970	0.928
	GASOLINE-NO CATALYST	0.680	0.900	0.756
	HEAVY, MEDIUM, LIGHT DUTY TRUCKS AND VEHICLES, MOTORHOMES, BUSES, MOTORCYCLES	0.925	0.960	0.964
	TIRE WEAR	0.250	1.000	0.250
PETROLEUM INDTRY	ASPHALT CONCRETE	0.333	0.400	0.833
PRIMARY AND SECONDARY METALS	ELECTRO REDUCTION, FURNACE, FLUXING, STORAGE, PROCESSING	0.903	0.950	0.951
	IRON & STEEL, FOUNDRY, HEAT TREATING	0.860	0.960	0.896
	STEEL FURNACE	0.600	0.830	0.723
RESIDENTIAL FIREPLACES AND WOOD COMBUSTION		0.900	0.935	0.963
SHIPS	DIESEL	0.920	1.000	0.920
	LIQUID FUEL	0.937	0.960	0.976
TRAINS	HAULING, SWITCHING	0.920	1.000	0.920
WASTEWATER, SEWAGE TREATMENT, DIGESTER		0.925	0.960	0.964
WOOD PRODUCTS	SANDING	0.885	0.920	0.962
	SAWING	0.283	0.400	0.708