

Industry Category	SCC Description	SCC Code	Emission Factor					Emission Factor Unit
			CO	NOx	PM10	SOx	VOC	
Asphaltic Concrete	(Batch) Natural Gas Dryer Hot Screens & Mixer	30500245	0.4	0.025	0.027 w/baghouse	0.0046	0.0082	lb/ton asphalt concrete
Asphaltic Concrete	(Batch) #2 Oil-Fired Dryer Hot Screens & Mixer	30500246	0.4	0.12	0.027 w/baghouse	0.088	0.0082	lb/ton produced
Asphaltic Concrete	(Batch) #6 Waste Oil Dryer Hot Screens & Mixer	30500247	0.4	0.12	0.027 w/baghouse	0.088	0.036	lb/ton asphalt concrete
Asphaltic Concrete	Dryer / Mixer: Continuous Feed Plant Natural Gas	30500255	0.13	0.026	0.023 w/baghouse	0.0034	0.032	lb/ton produced
Asphaltic Concrete	Dryer / Mixer: Continuous Feed Plant Oil Fired	30500258	0.13	0.055	0.023 w/baghouse	0.011	0.032	lb/ton produced
Industrial Heat	Asphalt Heater: Natural Gas	10200603	84	100	7.6	0.6	5.5	lb/MM cu ft burned
Industrial Heat	Asphalt Heater: #2 Fuel Oil	10200503	5	20	2	144(S)	0.2	lb/1000 gal burned
Brick Manufacture	Raw Material Drying	30500301			41			lb/ton raw material
Brick Manufacture	Raw Material Grinding : Wet Process	30500302			0.0023			lb/ton raw material
Brick Manufacture	Storage of Raw Materials	30500303			12			lb/ton raw material
Brick Manufacture	Screening	30500308			1.4			lb/ton raw material
Brick Manufacture	Curing & Firing: Gas Fired Tunnel Kilns	30500311	1.2	0.35	0.87	0.78	0.024	lb/ton produced
Brick Manufacture	Curing & Firing: Gas Fired Periodic Kilns	30500314	0.15	0.5	0.034		0.01	lb/ton produced
Brick Manufacture	Extrusion Line	30500342			0.0036			lb/ton produced
Brick Manufacture	Dryer with Waste Heat and Supplement Gas	30500351	0.31	0.098	0.187		0.03	lb/ton produced
Concrete Batching	Transfer: Aggregate to Elev. Storage Bins	30501104			0.00055 controlled			lb/ton processed
Concrete Batching	Transfer: Sand to Elevated Storage Bins	30501105			0.00099 controlled			lb/ton processed
Concrete Batching	Cement Pneumatic Transfer to Elev. Storage Bins	30501107			0.00034 controlled			lb/ton processed
Concrete Batching	Weight Hopper Loading of Sand/Aggregate	30501108			0.0028 controlled			lb/ton processed
Concrete Batching	Mixer Loading (Central Mix) Cement and Supplement	30501109			0.0055 controlled			lb/ton processed
Concrete Batching	Truck Loading (Truck Mix) Cement and Supplement	30501110			0.0263 controlled			lb/ton processed
Concrete Batching	Transfer: Cement Supplement to Elev. Silo	30501117			0.0049 controlled			lb/ton processed
Concrete Batching	Aggregate Delivery To Ground Storage	30501121			0.00055 controlled			lb/ton processed
Concrete Batching	Sand Delivery To Ground Storage	30501122			0.00099 controlled			lb/ton processed
Concrete Batching	Transfer: Aggregate To Conveyor	30501123			0.00055 controlled			lb/ton processed
Concrete Batching	Transfer: Sand to Conveyor	30501124			0.00099 controlled			lb/ton processed
Gypsum Mfg	Rotary Ore Dryer	30501501			0.013			lb/hr-ft3 gas flow
Gypsum Mfg	Primary Grinder/Roller Mills	30501502			2.2			lb/ton product
Gypsum Mfg	Conveying	30501504			0.15			lb/ton throughput
Gypsum Mfg	Primary Crushing: Gypsum Ore	30501505			0.26			lb/ton crude gypsum

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Gypsum Mfg	Secondary Crushing: Gypsum Ore	30501506			1.13			lb/ton crude gypsum
Gypsum Mfg	Continuous Kettle: Calciner	30501511			26			lb/ton product
Gypsum Mfg	Flash Calciner	30501512			14			lb/ton product
Gypsum Mfg	Impact Mill	30501513			85			lb/ton product
Gypsum Mfg	End Sawing (8 Ft.)	30501521			5.7			lb/1000 sq ft board sawed
Gypsum Mfg	End Sawing (12 Ft.)	30501522			5.7			lb/1000 sq ft board sawed
Stone Quarrying/Processing	Open Storage	30502007			0.12			lb/ton-yr product stored
Stone Quarrying/Processing	Drying	30502012			5			lb/ton stone dried
Sand/Gravel	Conveyor Transfer Point	30502503			0.000046			lb/ton product
		30502006			controlled			
Sand/Gravel	Pile Forming: Stacker, Load out, Mining / Plant Feed Handling with Watering	30502505			0.000046			lb/ton sand/gravel processed
Sand/Gravel	Bulk Loading	30502506			0.0024			lb/ton sand/gravel
Sand/Gravel	Stockpiles, raw material storage	30502507			630			lb/acre-yr stored
Sand/Gravel	Crushing (Primary, secondary, tertiary)	30502510			0.00054			lb/ton sand/gravel
		30502003			controlled			
Sand/Gravel	Screening	30502511			0.00074			lb/ton sand/gravel
		30502002			controlled			
Electrical Equipment	Electrical Windings Reclamation Single Chamber Incinerator/Oven	31307001	10	3	4.7	2.5	3	lb/ton charged
Electrical Equipment	Electrical Windings Reclamation Multiple Chamber Incinerator/Oven	31307002	10	3	4.7	2.5	3	lb/ton charged
Transportation Equipment	Brake Shoe Debonding Single Chamber Incinerator	31401001	10	3	4.7	2.5	3	lb/ton charged
Transportation Equipment	Brake Shoe Debonding Multiple Chamber Incinerator	31401002	10	3	4.7	2.5	3	lb/ton charged
Government Solid Waste Disposal	Incineration: Sludge Multiple Hearth	50100515	31	5	8.2	20	1.7	lb/ton dried sludge burned
Commercial/Institutional Solid Waste Disposal	Incineration: General Multiple Chamber Incinerator	50200101	10	3	4.7	2.5	3	lb/ton waste burned
Commercial/Institutional Solid Waste Disposal	Incineration: Special Purpose Pathological & Cremation	50200505	0.6	11	5.92	1.4	0.2	lb/ton medical waste burned
Industrial Solid Waste Disposal	Incineration: General Multiple Chamber Incinerator	50300101	10	3	4.7	2.5	3	lb/ton charged
Utility:	Residual Oil #6 Normal Firing	10100401	5	47	9.2(S) + 3.2	163(S)	0.76	lb/1000 gallons
Utility:	Residual Oil #6 Tangential Firing	10100404	5	32	9.2(S) + 3.2	163(S)	0.76	lb/1000 gallons
Utility:	Distillate Oil Normal Firing	10100501	5	24	2.3	143.6(S)	0.2	lb/1000 gallons
Utility:	Natural Gas Normal Firing > 100 MM Btu/Hr	10100601	84	190	7.6	0.6	5.5	lb/MM cu ft
Utility:	Natural Gas Normal Firing < 100 MMBtu/Hr	10100602	84	100	7.6	0.6	5.5	lb/MM cu ft
Utility:	Natural Gas Tangential Firing	10100604	24	170	7.6	0.6	5.5	lb/MM cu ft
Industrial	Residual Oil #6 10-100 MMBtu/Hr	10200402	5	55	8.03(S) + 2.65	159(S)	0.28	lb/1000 gallons
Industrial	Residual Oil #6 < 10 MMBtu/Hr	10200403	5	55	8.03(S) + 2.65	159(S)	0.28	lb/1000 gallons
Industrial	Residual Oil #5 > 10 MMBtu/Hr	10200404	5	47	10.1	162.7(S)	0.28	lb/1000 gallons
Industrial	Distillate Oil #1 or #2 > 10 MMBtu/Hr	10200501	5	24	2.3	147.7(S)	0.2	lb/1000 gallons
Industrial	Distillate Oil 10-100 MMBtu/Hr	10200502	5	20	2.3	144(S)	0.2	lb/1000 gallons
Industrial	Distillate Oil < 10 MMBtu/Hr	10200503	5	20	2.3	144(S)	0.2	lb/1000 gallons
Industrial	Distillate Oil #4 > 100 MM Btu/Hr	10200504	5	47	7.5	155.7(S)	0.2	lb/1000 gallons
Industrial	Distillate Oil Cogeneration Boiler	10200505	5	20	2.3	143.6(S)	0.2	lb/1000 gallons
Industrial	Natural Gas Over 100 MMBtu/Hr	10200601	84	280	7.6	0.6	5.5	lb/MM cu ft

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Industrial	Natural Gas 10-100 MMBtu/Hr	10200602	84	100	7.6	0.6	5.5	lb/MM cu ft
Industrial	Natural Gas < 10 MMBtu/Hr	10200603	84	100	7.6	0.6	5.5	lb/MM cu ft
Industrial	Natural Gas Cogeneration Boiler	10200604	24	170	7.6	0.6	5.5	lb/MM cu ft
Industrial	LPG: Butane	10201001	3.6	21	0.6	0.09(S)	0.6	lb/1000 gallons
Industrial	LPG: Propane	10201002	3.2	19	0.6	0.02	0.6	lb/1000 gallons
Commercial/Institutional	Distillate Oil Grade 1 & 2 Oil	10300501	5	24	1.08	142(S)	0.34	lb/1000 gallons
Commercial/Institutional	Distillate Oil 10-100MMBtu/Hr	10300502	5	20	1.08	144(S)	0.34	lb/1000 gallons
Commercial/Institutional	Distillate Oil < 10 MMBtu/Hr	10300503	5	20	1.08	144(S)	0.34	lb/1000 gallons
Commercial/Institutional	Natural Gas Over 100 MMBtu/Hr	10300601	84	190	7.6	0.6	5.5	lb/MM cu ft
Commercial/Institutional	Natural Gas 10-100MMBtu/Hr	10300602	84	100	7.6	0.6	5.5	lb/MM cu ft
Commercial/Institutional	Natural Gas < 10 MMBtu/Hr	10300603	84	100	7.6	0.6	5.5	lb/MM cu ft
Commercial/Institutional	LPG: Propane	10301002	1.9	14	0.4	0.02	0.5	lb/1000 gallons
Commercial/Institutional	Waste Oil	10301302	5	19	3.8	147(S)	1	lb/1000 gallons
Industrial	LPG: Space Heater	10500110	3.4	20	0.6	0.02	0.55	lb/1000 gallons
Feed and Grain Terminal Elevators	Shipping/Receiving	30200501			1			lb/ton grain processed
Feed and Grain Terminal Elevators	Transfer/Convey	30200502			2			lb/ton grain processed
Feed and Grain Terminal Elevators	Cleaning	30200503			0.034			lb/ton grain processed
Feed and Grain Terminal Elevators	Drying	30200504			0.22			lb/ton grain processed
Feed and Grain Terminal Elevators	Unloading (Receiving)	30200505			0.294			lb/ton grain processed
Feed and Grain Terminal Elevators	Loading (Shipping)	30200506			0.029			lb/ton grain processed
Feed and Grain Terminal Elevators	Removal from Bins (Tunnel Belt)	30200507			1.4			lb/ton grain processed
Feed and Grain Terminal Elevators	Elevator Legs(Headhouse)	30200508			1.5			lb/ton grain processed
Feed and Grain Terminal Elevators	Tripper (Gallery Belt)	30200509			1			lb/ton grain processed
Feed and Grain Terminal Elevators	Removal from Bins (Tunnel Belt)	30200507			2.8			lb/ton of grain shipped or received
Feed and Grain Terminal Elevators	Elevator Legs(Headhouse)	30200508			4.5			lb/ton of grain shipped or received
Feed and Grain Terminal Elevators	Terminal Elevators: General	30200512			1.65			lb/ton of grain shipped or received
Feed Manufacture	Grain Receiving	30200802			0.0025			lb/ton grain received
Feed Manufacture	Shipping	30200803			0.0008			lb/ton grain received
Feed Manufacture	Handling	30200804			1.95			lb/ton grain received
Feed Manufacture	Grinding	30200805			0.06			lb/ton grain received
Feed Manufacture	Pellet Cooler	30200806			0.1			lb/ton grain received
Feed Manufacture	Grinding	30200805			0.023			lb/ton grain processed
Feed Manufacture	Pellet Cooler	30200816			0.18			lb/ton grain processed
Woodworking Operations	Wood Waste Storage Bin Vent	30703001			0.58			lb/ton wood waste hauled away
Woodworking Operations	Wood Waste Storage Bin Loadout	30703002			1.2			lb/ton wood waste hauled away
Utility	Diesel Turbine	20100101	0.458	122	1.68	140(S)	0.057	lb/1000 gal
Utility	Diesel Reciprocating Engine > 600 hp	20100102	130	604	42.5	39.7	49.3	lb/1000 gal
Utility	Natural Gas Turbine	20100201	83.64	326.4	6.73	0.6	2.14	lb/MM cu ft
Industrial	Diesel Turbine	20200101	0.46	122.32	1.67	140(S)	0.057	lb/1000 gal
Industrial	Diesel Reciprocating Engine < 600 hp	20200102	130	604	42.5	39.7	49.3	lb/1000 gal

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Industrial	Natural Gas Turbine	20200201	83.64	326.4	6.73	0.6	11.2	lb/MM cu ft
Industrial	Natural Gas Reciprocating Engine	20200202	399	2840	10	0.6	116	lb/MM cu ft
Industrial	Natural Gas Turbine: Cogeneration	20200203	83.64	326.4	6.73	0.6	2.14	lb/MM cu ft
Industrial	Natural Gas Reciprocating : Cogeneration	20200204	399	2840	10	0.6	116	lb/MM cu ft
Industrial	Natural Gas 4 Cycle Reciprocating Rich Burn	20200253	3794	2254	9.69	0.6	30.2	lb/MM cu ft
Industrial	Natural Gas 4 Cycle Reciprocating Lean Burn	20200254	323	4161	0.079	0.6	120	lb/MM cu ft
Industrial	Gasoline Reciprocating Engine	20201702	128.7	205	12.6	10.6	382	lb/1000 gal
Commercial/Institutional	Diesel Large Bore Engine	20200401	116	438	7.85	138(S)	11.2	lb/1000 gal
Commercial/Institutional	Diesel Reciprocating Engine	20300101	130	604	42.5	39.7	49.3	lb/1000 gal
Commercial/Institutional	Diesel Turbine	20300102	0.46	122.3	1.67	140(S)	0.057	lb/1000 gal
Commercial/Institutional	Natural Gas Reciprocating Engine	20300201	399	2840	10	0.6	116	lb/MM cu ft
Commercial/Institutional	Natural Gas Turbine	20300202	83.64	326.4	6.73	0.6	2.14	lb/MM cu ft
Commercial/Institutional	Natural Gas Reciprocating: Cogeneration	20300204	399	2840	10	0.6	116	lb/MM cu ft
Testing	Turbojet Aircraft	20400101	32.7	14.6	11.3	13	46	lb/1000 gal
Testing	Natural Gas Turbine	20400301	120	300	14	0.6	6.9	lb/MM cu ft
Testing	Diesel/Kerosene Turbine	20400302	6.72	97.7	1.67	140(S)	2.38	lb/1000 gal
Testing	Gasoline Reciprocating Engine	20400401	3940	102	6.2	5.31	148	lb/1000 gal
Testing	Diesel/Kerosene Reciprocating Engine	20400402	130	604	42.5	39.7	49.3	lb/1000 gal
Secondary Aluminum Production	Sweating Furnace	30400101			13.3	0.02		lb/ton produced
Secondary Aluminum Production	Smelting Furnace/ Crucible	30400102			1.7			lb/ton metal produced
Secondary Aluminum Production	Smelting Furnace/ Reverb	30400103			2.6		0.2	lb/ton metal produced
Secondary Aluminum Production	Fluxing: Chlorination	30400104			532			lb/ton chlorine used
Secondary Aluminum Production	Burning/Drying	30400109		0.9		2.9		lb/ton metal produced
Secondary Aluminum Production	Pouring/Casting	30400114		0.01		0.02	0.14	lb/ton metal charged
Secondary Copper Production	Wire Burning: Incinerator	30400208			253	12.8	0.6	lb/ton of charge
Secondary Copper Production	Reverberatory Furnace Charge w/ Brass & Bronze	30400215			21.2		0.2	lb/ton of charge
Secondary Copper Production	Crucible & Pot Furnace Charge w/ Brass & Bronze	30400219			12.4	0.5		lb/ton of charge
Secondary Copper Production	Electric Induction Charge w/ Copper	30400223			7			lb/ton of charge
Secondary Copper Production	Electric Induction Charge w/ Brass & Bronze	30400224			20			lb/ton of charge
Secondary Copper Production	Fugitive Emissions Wire Incinerator	30400208			8.2			lb/ton of charge
Secondary Copper Production	Fugitive Emissions Crucible Furnace	30400237			0.29			lb/ton of charge
Secondary Copper Production	Fugitive Emissions Electric Induction Furnace	30400238			0.04			lb/ton of charge
Secondary Copper Production	Fugitive Emissions Casting Operations	30400239			0.015			lb/ton castings produced
Secondary Metal Production	Gray Iron Foundries Electric Induction Furnace	30400303			0.86			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Inoculation	30400310			4		0.005	lb/ton metal inoculated
Secondary Metal Production	Gray Iron Foundries Charge Handling	30400315			0.36			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Pouring/Casting	30400320		0.01	2.06	0.02	0.14	lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Casting Cooling	30400325			1.4			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Casting Knock Out	30400332					1.2	lb/ton sand handled
Secondary Metal Production	Gray Iron Foundries Grinding/Cleaning	30400340			1.7			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Sand Grinding / Handling	30400350			0.54			lb/ton sand handled
Secondary Metal Production	Gray Iron Foundries Sand Grinding / Handling	30400350			6			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Core Ovens	30400351		0.5	0.9			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Castings Finishing	30400360			0.0045			lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Shell Core Machine	30400370		0.5		0.32		lb/ton of cores produced

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Secondary Metal Production	Steel Foundries Electric Arc Furnace	30400701		0.2	13	0.24	0.35	lb/ton metal processed
Secondary Metal Production	Steel Foundries Heat Treating Furnace	30400704		80.7		277.28	0.6	lb/ton metal processed
Secondary Metal Production	Steel Foundries Electric Induction Furnace	30400705			0.09			lb/ton metal processed
Secondary Metal Production	Steel Foundries Sand Grinding / Handling	30400706			0.54			lb/ton sand processed
Secondary Metal Production	Steel Foundries Pouring/Casting	30400708		0.01	2.8	0.02	0.14	lb/ton metal processed
Secondary Metal Production	Steel Foundries Casting Shakeout	30400709			26.2		1.2	lb/ton metal processed
Secondary Metal Production	Steel Foundries: Knock Out	30400710					1.2	lb/ton sand handled
Secondary Metal Production	Steel Foundries: Cleaning	30400711			1.7			lb/ton metal processed
Secondary Metal Production	Steel Foundries Charge Handling	30400712			0.36			lb/ton metal processed
Secondary Metal Production	Steel Foundries Castings Cooling	30400713			1.4			lb/ton metal processed
Secondary Metal Production	Steel Foundries Shakeout Machine	30400714					1.2	lb/ton sand handled
Secondary Metal Production	Steel Foundries Finishing	30400715			0.0045	47.66	1.1	lb/ton metal processed
Secondary Metal Production	Steel Foundries Sand Grinding / Handling	30400706			6			lb/ton metal processed
Secondary Metal Production	Steel Foundries Core Ovens	30400717		0.5	0.9			lb/ton metal processed
Secondary Metal Production	Steel Foundries Core Ovens	30400717		0.5				lb/gal core oil used
Secondary Metal Production	Steel Foundries Shell Core Machine	30400730		0.5				lb/ton of cores produced
Secondary Metal Production	Steel Foundries Core Machines/Other	30400731		0.5				lb/ton of cores produced
Secondary Metal Production	Malleable Iron Annealing	30400901					0.1	lb/ton metal charged
Secondary Metal Production	Metal Heat Treating Furnace: General	30402201					0.1	lb/ton processed
Secondary Metal Production	Metal Heat Treating Quench Bath	30402210					280	lb/ton processed