

APPENDIX B

2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

2011 Baseline Point Source Emissions Inventory for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT_DESC	SCC	SEG_NO	PROCESS_DESC	EMISSIONS	UOM
099	0016	AMEREN MISSOURI	RUSH ISLAND PLANT	2011	B-1	BOILER 1	10100226	1	Pulverized Coal: Dry Bottom Tangential (Subbituminous Coal)	12273.1091	TONS/YEAR
099	0016	AMEREN MISSOURI	RUSH ISLAND PLANT	2011	B-3	AUXILIARY BOILER	10200501	1	Grades 1 and 2 Oil	0.0431	TONS/YEAR
099	0016	AMEREN MISSOURI	RUSH ISLAND PLANT	2011	B-4	Emergency Diesel Generator	20200401	1	Diesel	0.0319	TONS/YEAR
099	0016	AMEREN MISSOURI	RUSH ISLAND PLANT	2011	B-2	BOILER 2	10100226	1	Pulverized Coal: Dry Bottom Tangential (Subbituminous Coal)	15762.4167	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B001	MAKE-UP AIR UNITS (9)	10500106	1	Natural Gas	0.0213	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B002	FIRE WATER HEATER	10200603	1	< 10 Million Btu/hr	0.0009	TONS/YEAR
099	0002	RIVER CEMENT CO. DBA BUZZI UNICEM USA	SELMA PLANT	2011	4-K-09	PREHEATER/PRECLACINER KILN - CLINKER COOLER DISCHARGE	30500623	1	Preheater/precalciner kiln - Clinker cooler discharge	280.9625	TONS/YEAR
099	0002	RIVER CEMENT CO. DBA BUZZI UNICEM USA	SELMA PLANT	2011	6-F-19	Finish Mill #3 Natural Gas Furnace	30590003	1	Cement Kiln/Dryer	0.0016	TONS/YEAR
099	0002	RIVER CEMENT CO. DBA BUZZI UNICEM USA	SELMA PLANT	2011	9-M-22	Emergency Generator	20100102	1	Emergency Generator	0.0193	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-020B	Acid Plant Process Equipment	30102320	1	Storage Tank Vent	2.7277	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-033	REFINERY #5,9,10 KETTLE HS	39000603	1	General	0.0119	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-039	DROSS PLANT "C" KET. H.S.	39000603	1	General	0.0076	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-040	DROSS PLANT 'D' KETTLE HS	39000603	1	General	0.0076	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-199	Plant wide Fugitives	30102320	1	Acid Loading	2.7277	TONS/YEAR
099	0003	DOE RUN COMPANY	HERCULANEUM SMELTER	2011	EP-059	BLAST FURNACE OPERATION	30301002	3	Sintering: Single Stream	15229	TONS/YEAR
099	0007	FRED WEBER INC	FESTUS ASPHALT PLANT	2011	EP2	DRUM MIX PLANT: DRYER/MIXER, NATURAL GAS FIRED	30500261	1	Drum Mix Plant: Rotary Drum Dryer / Mixer, Heavy Oil Fired	0.0056	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT_DESC	SCC	SEG_NO	PROCESS_DESC	EMISSIONS	UOM
099	0007	FRED WEBER INC	FESTUS ASPHALT PLANT	2011	EP3	BOILER	10201002	1	Propane	0.0811	TONS/YEAR
099	0008	MISSISSIPPI SAND , LLC	FESTUS STONE PLANT	2011	9999	DIESEL GENERATOR	20200102	1	DIESEL GENERATOR - new for 2009	0.0787	TONS/YEAR
099	0011	UNION PACIFIC RAILROAD CO	DESOTO CAR SHOP	2011	01	BLACKSMITH FORGE	30990003	1	Natural Gas: Process Heaters	0.0026	TONS/YEAR
099	0011	UNION PACIFIC RAILROAD CO	DESOTO CAR SHOP	2011	09	DRYING OVEN	40201001	1	Natural Gas	0.0012	TONS/YEAR
099	0011	UNION PACIFIC RAILROAD CO	DESOTO CAR SHOP	2011	12	NEW DRYING OVEN	40201001	1	Natural Gas	0.0027	TONS/YEAR
099	0011	UNION PACIFIC RAILROAD CO	DESOTO CAR SHOP	2011	14	SPACE HEATERS	10500106	1	Natural Gas	0.0006	TONS/YEAR
099	0011	UNION PACIFIC RAILROAD CO	DESOTO CAR SHOP	2011	16	SPACE HEATERS	10500106	1	Natural Gas	0.0024	TONS/YEAR
099	0013	UNIMIN CORPORATION	PEVELY	2011	EP03	BED DRYER BURNER BU-101	39000699	1	General	0.0028	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B003	BOILERS	10200603	1	< 10 Million Btu/hr	0.0099	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B004	WATER HEATER (1)	10200603	1	< 10 Million Btu/hr	0.0014	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B005	CATALYTIC OXIDIZER COMBUSTION	10200603	1	< 10 Million Btu/hr	0.007	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	B006	SPACE HEATERS (21)	10500106	1	Natural Gas	0.0013	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	E001	BACK-UP FIRE PUMP (1)	20300101	1	Reciprocating	0.0024	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT DESC	SCC	SEG_NO	PROCESS DESC	EMISSIONS	UOM
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	P003	CAN WASHER OVENS	10200603	1	< 10 Million Btu/hr	0.0034	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	P004	BASECOATER OVEN EVAPORATION (COOL ZONE)	10200603	5	< 10 Million Btu/hr	0.0014	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	P006	INSIDE BAKE OVEN-HOT ZONE (ROUTED TO CAT. OX)	10200603	5	< 10 Million Btu/hr	0.011	TONS/YEAR
099	0044	METAL CONTAINER CORPORATION	ARNOLD	2011	P005	PRINTER OVEN	10200603	7	< 10 Million Btu/hr	0.0073	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP10	EMERGENCY GENERATOR #1 EXHAUST	20100102	1	Reciprocating	0.05	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP11	EMERGENCY GENERATOR #2 EXHAUST	20100102	1	Reciprocating	0.02	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP19	CRYSTAL OAKS - EMERGENCY GENERATOR	20100102	1	Reciprocating	0.01	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP20	EMERGENCY GENERATOR - NORTH	20100102	1	Reciprocating	0.03	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP21	EMERGENCY GENERATOR - SOUTH	20100102	1	Reciprocating	0.03	TONS/YEAR
099	0046	JEFFERSON MEMORIAL HOSPITAL	JEFFERSON MEMORIAL HOSPITAL	2011	EP22	EMERGENCY GENERATOR	20100102	1	Reciprocating	0.02	TONS/YEAR
099	0060	EASTERN MISSOURI CONCRETE	HALLMARK CONCRETE	2011	EP08	BOILER STACK	10301002	1	Propane	0.0003	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	02	Glass Melting Furnace Number 20	30501402	1	Container Glass: Melting Furnace	66.3033	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	03	Glass Melting Furnace Number 21	30501402	1	Container Glass: Melting Furnace	82.7133	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	04	Annealing Lehrs Number 20	39000699	1	General	0.0086	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	05	Annealing Lehrs Number 21	39000699	1	General	0.0128	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	22	Forehearth Number 21	39000699	1	General	0.0125	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT_DESC	SCC	SEG_NO	PROCESS_DESC	EMISSIONS	UOM
099	0068	ARDAGH GLASS INC.	PEVELY	2011	17	Distributor Number 20	39000699	1	General	0.0071	TONS/YEAR
099	0068	ARDAGH GLASS INC.	PEVELY	2011	18	Distributor Number 21	39000699	1	General	0.0166	TONS/YEAR
099	0072	MW RECYCLING LLC	FESTUS	2011	EP02	2000 HP Diesel Engines	20200401	1	Diesel	3.2982	TONS/YEAR
099	0084	SCHAEFER MORTUARY SERVICE	SCHAEFER MORTUARY SERVICE	2011	EP-1	CREMATORY AFTERBURNER	10301002	1	Propane	0.0005	TONS/YEAR
099	0084	SCHAEFER MORTUARY SERVICE	SCHAEFER MORTUARY SERVICE	2011	EP-2	EMISSIONS FROM CREMATORY	50200501	1	Med Waste Controlled Air Incin-aka Starved air, 2-stg, or Modular comb	0.0119	TONS/YEAR
099	0098	FRED WEBER INC	TRAUTMAN ASPHALT PLANT	2011	EP6	STACK #2 (ASPHALT HEATER)	30600107	1	LPG-fired	4.4189	TONS/YEAR
099	0098	FRED WEBER INC	TRAUTMAN ASPHALT PLANT	2011	EP2	STACK #1 (HOT ELEV., SCREENS, BINS, MIXER)	30500201	1	Rotary Dryer: Conventional Plant (see 3-05-002-50 to -53 for subtypes)	0.0546	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-08 (A)	THERMAL RECLAMATION/COOLER-CLASSIFIER UNIT	30400799	1	Other Not Classified	0.1769	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-08 (B)	GAS FIRED THERMAL RECLAMATION	30590003	1	Natural Gas: Process Heaters	0.0005	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-19	LADLE/FURNACE PREHEAT	30490003	1	Natural Gas: Process Heaters	0.0022	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-21 (A)	METAL POURING	30400708	1	Pouring/Casting	0.0424	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-29 (B)	HEAT TREAT FURNACE	30490003	1	Natural Gas: Process Heaters	0.0026	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP-32	AIR MAKE-UP UNITS AND MISCELLANEOUS SPACE HEATERS	10200603	1	< 10 Million Btu/hr	0.0132	TONS/YEAR
099	0111	CARONDELET CORPORATION	PEVELY	2011	EP44	DRYING BURNER FOR WATER BASED PAINTS	30490003	1	Natural Gas: Process Heaters	0.0005	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT_DESC	SCC	SEG_NO	PROCESS_DESC	EMISSIONS	UOM
099	0116	SINCLAIR & RUSH	ARNOLD PLANT	2011	EP-07	Facility-Wide Space heating and Miscellaneous Combustion Sources, Natural Gas Usage	10500106	1	Natural Gas	0.0007	TONS/YEAR
099	0116	SINCLAIR & RUSH	ARNOLD PLANT	2011	EP-01	Production Machines (Nos. 105,404,502,20)	39000797	2		0.0004	TONS/YEAR
099	0116	SINCLAIR & RUSH	ARNOLD PLANT	2011	EP-02	Production Machines (Nos. 18, 19, 405, and 501)	39000797	2		0.0025	TONS/YEAR
099	0116	SINCLAIR & RUSH	ARNOLD PLANT	2011	EP-08	Production Machines (Nos. 23,24,301,304,306,307,22, 6,4,3,2)	39000797	2		0.004	TONS/YEAR
099	0125	NATIONAL GEOSPATIAL INTELLIGENCE AGENCY	ARNOLD	2011	E-01	#1 BOILER	10300603	1	< 10 Million Btu/hr	0.0018	TONS/YEAR
099	0125	NATIONAL GEOSPATIAL INTELLIGENCE AGENCY	ARNOLD	2011	E-02	#2 BOILER	10300603	1	< 10 Million Btu/hr	0.0018	TONS/YEAR
099	0125	NATIONAL GEOSPATIAL INTELLIGENCE AGENCY	ARNOLD	2011	E-03	EMERGENCY DIESEL GENERATORS	20100102	1	Reciprocating	0.1207	TONS/YEAR
099	0125	NATIONAL GEOSPATIAL INTELLIGENCE AGENCY	ARNOLD	2011	E-09	3 Emergency Generators 2,500 kW	20100102	1	Emergency Generators	0.0463	TONS/YEAR
099	0137	DRY CREEK MATERIALS INC	MORSE MILL	2011	EP18	Cummins 165hp Diesel for Generator	20200102	1	Reciprocating	0.0366	TONS/YEAR
099	0146	PACE CONSTRUCTION CO	ANTONIA ASPHALT PLANT	2011	4A-608	Dryer, Mixer, Burner	30500258	1	Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired	1.2219	TONS/YEAR
099	0150	ANIMAL CARE SERVICE INC	FESTUS	2011	EP01	THERM TEC G-30	50200101	1	Multiple Chamber	0.5525	TONS/YEAR
099	0150	ANIMAL CARE SERVICE INC	FESTUS	2011	EP02	SHENANDOAH C6	50200101	1	Multiple Chamber	0.0325	TONS/YEAR
099	0150	ANIMAL CARE SERVICE INC	FESTUS	2011	EP03	THERM TEC G12	50200101	1	Multiple Chamber	0.195	TONS/YEAR
099	0150	ANIMAL CARE SERVICE INC	FESTUS	2011	EP04	THERM TEC G30 TWO	50200101	1	Multiple Chamber	0.5525	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

FIPS	PLANT	NAME	SITE	EMISSION_YEAR	UNIT	UNIT DESC	SCC	SEG_NO	PROCESS DESC	EMISSIONS	UOM
099	0155	JEFFERSON COUNTY CREMATION SERVICES LC	PEVELY	2011	EP1	Crematorium	50200501	1	Med Waste Controlled Air Incin-aka Starved air, 2-stg, or Modular comb	0.0146	TONS/YEAR
099	0156	SIMPSON CONSTRUCTION MATERIALS	PAULINA HILLS SITE	2011	EP-10	Diesel Engine	20200102	1	Reciprocating	0.1344	TONS/YEAR
099	4007	AAA ZOELLNER MATERIALS INC	AAA ZOELLNER MATERIALS	2011	EP-14	PROPANE BOILER	10301002	1	Propane	0.0999	TONS/YEAR
099	5012	PRODUCTION CASTINGS	PRODUCTION CASTINGS	2011	EP08	INFRARED CURING OVEN	40200801	1	General	0.02	TONS/YEAR
099	P094	N. B. WEST CONTRACTING CO INC	HOUSE SPRINGS ASPHALT	2011	EP 4	BAGHOUSE STACK	30500246	1	Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer& #2 Oil Rot Dryer	0.921	TONS/YEAR
099	P094	N. B. WEST CONTRACTING CO INC	HOUSE SPRINGS ASPHALT	2011	EP 5	HOT OIL HEATER STACK	30500208	1	Asphalt Heater: Distillate Oil	0.4342	TONS/YEAR

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

2011 Nonpoint SO₂ Source Inventory for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2102001000	Stationary Source Fuel Combustion	Industrial	Anthracite Coal	Total: All Boiler Types	2011M ODNR	0	TON	Fuel Comb. Industrial	Coal	Anthracite & Lignite
NP	2102002000	Stationary Source Fuel Combustion	Industrial	Bituminous/ Subbituminous Coal	Total: All Boiler Types	2011M ODNR	0	TON	Fuel Comb. Industrial	Coal	Other
NP	2102004001	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All Boiler Types	2011M ODNR	1.09675	TON	Fuel Comb. Industrial	Oil	Distillate
NP	2102004002	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All IC Engine Types	2011M ODNR	1.02466	TON	Fuel Comb. Industrial	Oil	Distillate
NP	2102005000	Stationary Source Fuel Combustion	Industrial	Residual Oil	Total: All Boiler Types	2011M ODNR	2.78489	TON	Fuel Comb. Industrial	Oil	Residual
NP	2102006000	Stationary Source Fuel Combustion	Industrial	Natural Gas	Total: Boilers and IC Engines	2011M ODNR	0.123258	TON	Fuel Comb. Industrial	Gas	Natural
NP	2102007000	Stationary Source Fuel Combustion	Industrial	Liquified Petroleum Gas (LPG)	Total: All Boiler Types	2011M ODNR	0.00410895	TON	Fuel Comb. Industrial	Other	Other
NP	2102008000	Stationary Source Fuel Combustion	Industrial	Wood	Total: All Boiler Types	2011M ODNR	0.482236	TON	Fuel Comb. Industrial	Other	Wood/Bark Waste
NP	2102011000	Stationary Source Fuel Combustion	Industrial	Kerosene	Total: All Boiler Types	2011M ODNR	0.108702	TON	Fuel Comb. Industrial	Other	Other
NP	2103001000	Stationary Source Fuel Combustion	Commercial /Institutional	Anthracite Coal	Total: All Boiler Types	2011M ODNR	0	TON	Fuel Comb. Other	Commercial/ Institutional Coal	Other
NP	2103002000	Stationary Source Fuel Combustion	Commercial /Institutional	Bituminous/ Subbituminous Coal	Total: All Boiler Types	2011M ODNR	0	TON	Fuel Comb. Other	Commercial/ Institutional Coal	Other
NP	2103004001	Stationary Source Fuel Combustion	Commercial /Institutional	Distillate Oil	Boilers	2011M ODNR	0.201845	TON	Fuel Comb. Industrial	Oil	Other

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2103004002	Stationary Source Fuel Combustion	Commercial /Institutional	Distillate Oil	IC Engines	2011M ODNR	0.188578	TON	Fuel Comb. Industrial	Oil	Other
NP	2103005000	Stationary Source Fuel Combustion	Commercial /Institutional	Residual Oil	Total: All Boiler Types	2011M ODNR	0.500777	TON	Fuel Comb. Other	Commercial/ Institutional Oil	Other
NP	2103006000	Stationary Source Fuel Combustion	Commercial /Institutional	Natural Gas	Total: Boilers and IC Engines	2011M ODNR	0.272723	TON	Fuel Comb. Other	Commercial/ Institutional Gas	Other
NP	2103007000	Stationary Source Fuel Combustion	Commercial /Institutional	Liquified Petroleum Gas (LPG)	Total: All Combustor Types	2011M ODNR	0.00224046	TON	Fuel Comb. Other	Misc. Fuel Comb. (Except Residential)	Other
NP	2103008000	Stationary Source Fuel Combustion	Commercial /Institutional	Wood	Total: All Boiler Types	2011M ODNR	0.611672	TON	Fuel Comb. Other	Misc. Fuel Comb. (Except Residential)	Other
NP	2103011000	Stationary Source Fuel Combustion	Commercial /Institutional	Kerosene	Total: All Combustor Types	2011M ODNR	0.0759229	TON	Fuel Comb. Other	Misc. Fuel Comb. (Except Residential)	Other
NP	2104001000	Stationary Source Fuel Combustion	Residential	Anthracite Coal	Total: All Combustor Types	2011M ODNR	0	TON	Fuel Comb. Other	Residential Other	Other
NP	2104002000	Stationary Source Fuel Combustion	Residential	Bituminous/ Subbituminous Coal	Total: All Combustor Types	2011M ODNR	0	TON	Fuel Comb. Other	Residential Other	Bituminous/ Subbituminous Coal
NP	2104004000	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	2011M ODNR	2.51129	TON	Fuel Comb. Other	Residential Other	Distillate Oil
NP	2104005000	Stationary Source Fuel Combustion	Residential	Residual Oil	Total: All Combustor Types	2011M ODNR	0	TON	Fuel Comb. Other	Residential Other	Other
NP	2104006000	Stationary Source Fuel Combustion	Residential	Natural Gas	Total: All Combustor Types	2011M ODNR	0.560026	TON	Fuel Comb. Other	Residential Other	Natural Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2104007000	Stationary Source Fuel Combustion	Residential	Liquified Petroleum Gas (LPG)	Total: All Combustor Types	2011M ODNR	0.187138	TON	Fuel Comb. Other	Residential Other	Other
NP	2104008100	Stationary Source Fuel Combustion	Residential	Wood	Fireplace: general	2011E PA_N P_No Ovr1p	1.0327	TON	Fuel Comb. Other	Residential Wood	Fireplaces
NP	2104008210	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; non-EPA certified	2011E PA_N P_No Ovr1p	0.602402	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008220	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; non-catalytic	2011E PA_N P_No Ovr1p	0.191774	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008230	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; catalytic	2011E PA_N P_No Ovr1p	0.0637001	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008310	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, non-EPA certified	2011E PA_N P_No Ovr1p	0.473986	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008320	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, non-catalytic	2011E PA_N P_No Ovr1p	0.15133	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008330	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, catalytic	2011E PA_N P_No Ovr1p	0.0502186	TON	Fuel Comb. Other	Residential Wood	Woodstoves

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2104008400	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: pellet-fired, general (freestanding or FP insert)	2011E PA_N P_No Ovr1p	0.15616	TON	Fuel Comb. Other	Residential Wood	Woodstoves
NP	2104008510	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, cordwood-fired, non-EPA certified	2011E PA_N P_No Ovr1p	0	TON	Fuel Comb. Other	Residential Wood	Other
NP	2104008610	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: outdoor	2011E PA_N P_No Ovr1p	0	TON	Fuel Comb. Other	Residential Wood	Other
NP	2104008700	Stationary Source Fuel Combustion	Residential	Wood	Outdoor wood burning device, NEC (fire-pits, chimineas, etc.)	2011E PA_N P_No Ovr1p	0.00993536	TON	Fuel Comb. Other	Residential Wood	Other
NP	2104011000	Stationary Source Fuel Combustion	Residential	Kerosene	Total: All Heater Types	2011M ODNR	2.38435	TON	Fuel Comb. Other	Residential Other	Other
NP	2306000000	Industrial Processes	Petroleum Refining: SIC 29	All Processes	Total	2011M ODNR	10.8267	TON	Petroleum & Related Industries	Petroleum Refineries & Related Industries	Other
NP	2310000220	Industrial Processes	Oil and Gas Exploration and Production	All Processes	Drill Rigs	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310000330	Industrial Processes	Oil and Gas Exploration and Production	All Processes	Artificial Lift	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2310000660	Industrial Processes	Oil and Gas Exploration and Production	All Processes	Hydraulic Fracturing Engines	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310010100	Industrial Processes	Oil and Gas Exploration and Production	Crude Petroleum	Oil Well Heaters	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310010200	Industrial Processes	Oil and Gas Exploration and Production	Crude Petroleum	Oil Well Tanks - Flashing & Standing/ Working/ Breathing	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310011000	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Oil Production	Total: All Processes	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310021010	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Storage Tanks: Condensate	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310021100	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Gas Well Heaters	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310021202	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310021209	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Total: All Natural Gas Fired 4Cycle Lean Burn Compressor Engines	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2310021251	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Lateral Compressor s 4 Cycle Lean Burn	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310021302	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310021309	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Total: All Natural Gas Fired 4Cycle Rich Burn Compressor Engines	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310021351	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Lateral Compressor s 4 Cycle Rich Burn	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Natural Gas
NP	2310021400	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Gas Well Dehydrators	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310021603	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Production	Gas Well Venting - Blowdowns	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310111700	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Oil Exploration	Oil Well Completion: All Processes	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other
NP	2310121700	Industrial Processes	Oil and Gas Exploration and Production	On-Shore Gas Exploration	Gas Well Completion: All Processes	2011M ODNR	0	TON	Petroleum & Related Industries	Oil & Gas Production	Other

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NP	2610000100	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Leaf Species Unspecified	2011E PA_N P_No Ovr1p	0.114037	TON	Waste Disposal & Recycling	Open Burning	Yard Waste
NP	2610000400	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	2011E PA_N P_No Ovr1p	0.24908	TON	Waste Disposal & Recycling	Open Burning	Yard Waste
NP	2610030000	Waste Disposal, Treatment, and Recovery	Open Burning	Residential	Household Waste (use 26-10-000-xxx for Yard Wastes)	2011E PA_N P_No Ovr1p	3.27968	TON	Waste Disposal & Recycling	Open Burning	Residential
NP	2801500000	Miscellaneous Area Sources	Agriculture Production - Crops - as nonpoint	Agricultural Field Burning - whole field set on fire	Unspecified crop type and Burn Method	2011E PA_A gBurni ngSF2	3.94014E-05	TON	Miscellaneous	Other Combustion	Agricultural Fires
NP	2810060100	Miscellaneous Area Sources	Other Combustion	Cremation	Humans	2011M ODNR	0	TON	Miscellaneous	Other Combustion	Other
NP	2810060200	Miscellaneous Area Sources	Other Combustion	Cremation	Animals	2011M ODNR	1.3325	TON	Miscellaneous	Other Combustion	Other

2011 Jefferson County Onroad SO₂ Emission Inventory

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
ON	2201110080	Mobile Sources	Highway Vehicles - Gasoline	Motorcycle	All on and off-network processes except refueling	0.134610325	TON	Highway Vehicles	Gasoline	Light Duty
ON	2201210080	Mobile Sources	Highway Vehicles - Gasoline	Passenger Car	All on and off-network processes except refueling	9.928866685	TON	Highway Vehicles	Gasoline	Light Duty
ON	2201310080	Mobile Sources	Highway Vehicles - Gasoline	Passenger Truck	All on and off-network processes except refueling	4.136873534	TON	Highway Vehicles	Gasoline	Light Duty

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
ON	2201320080	Mobile Sources	Highway Vehicles - Gasoline	Light Commercial Truck	All on and off-network processes except refueling	1.356151629	TON	Highway Vehicles	Gasoline	Light Duty
ON	2201420080	Mobile Sources	Highway Vehicles - Gasoline	Transit Bus	All on and off-network processes except refueling	0.001010906	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201430080	Mobile Sources	Highway Vehicles - Gasoline	School Bus	All on and off-network processes except refueling	0.005664537	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201510080	Mobile Sources	Highway Vehicles - Gasoline	Refuse Truck	All on and off-network processes except refueling	0.001834461	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201520080	Mobile Sources	Highway Vehicles - Gasoline	Single Unit Short-haul Truck	All on and off-network processes except refueling	0.415630346	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201530080	Mobile Sources	Highway Vehicles - Gasoline	Single Unit Long-haul Truck	All on and off-network processes except refueling	0.075292703	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201540080	Mobile Sources	Highway Vehicles - Gasoline	Motor Home	All on and off-network processes except refueling	0.020531917	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2201610080	Mobile Sources	Highway Vehicles - Gasoline	Combination Short-haul Truck	All on and off-network processes except refueling	0.000594958	TON	Highway Vehicles	Gasoline	Heavy Duty
ON	2202210080	Mobile Sources	Highway Vehicles - Diesel	Passenger Car	All on and off-network processes except refueling	0.020642059	TON	Highway Vehicles	Diesel Fuel	Light Duty
ON	2202310080	Mobile Sources	Highway Vehicles - Diesel	Passenger Truck	All on and off-network processes except refueling	0.042034757	TON	Highway Vehicles	Diesel Fuel	Light Duty
ON	2202320080	Mobile Sources	Highway Vehicles - Diesel	Light Commercial Truck	All on and off-network processes except refueling	0.043988327	TON	Highway Vehicles	Diesel Fuel	Light Duty
ON	2202410080	Mobile Sources	Highway Vehicles - Diesel	Intercity Bus	All on and off-network processes except refueling	0.034419489	TON	Highway Vehicles	Diesel Fuel	Heavy Duty

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
ON	2202420080	Mobile Sources	Highway Vehicles - Diesel	Transit Bus	All on and off-network processes except refueling	0.035171622	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202430080	Mobile Sources	Highway Vehicles - Diesel	School Bus	All on and off-network processes except refueling	0.035864547	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202510080	Mobile Sources	Highway Vehicles - Diesel	Refuse Truck	All on and off-network processes except refueling	0.049969756	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202520080	Mobile Sources	Highway Vehicles - Diesel	Single Unit Short-haul Truck	All on and off-network processes except refueling	0.491579528	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202530080	Mobile Sources	Highway Vehicles - Diesel	Single Unit Long-haul Truck	All on and off-network processes except refueling	0.087347998	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202540080	Mobile Sources	Highway Vehicles - Diesel	Motor Home	All on and off-network processes except refueling	0.005609547	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202610080	Mobile Sources	Highway Vehicles - Diesel	Combination Short-haul Truck	All on and off-network processes except refueling	2.003651172	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2202620080	Mobile Sources	Highway Vehicles - Diesel	Combination Long-haul Truck	All on and off-network processes except refueling	2.0625618	TON	Highway Vehicles	Diesel Fuel	Heavy Duty
ON	2203420080	Mobile Sources	Highway Vehicles - Compressed Natural Gas (CNG)	Transit Bus	All on and off-network processes except refueling	0.00183919	TON	Highway Vehicles	Compressed Natural Gas (CNG)	Heavy Duty

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Nonroad 2011 SO₂ Emission Inventory for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2260001010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	Motorcycles: Off-road	2011EP AMOBILE	0.00689192	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2260001030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	All-Terrain Vehicles	2011EP AMOBILE	0.00724472	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2260001060	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	Specialty Vehicles/ Carts	2011EP AMOBILE	0.00093085	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2260002006	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Tampers/ Rammers	2011EP AMOBILE	0.000479767	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2260002009	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Plate Compactors	2011EP AMOBILE	3.12467E-05	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2260002021	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Paving Equipment	2011EP AMOBILE	3.73454E-05	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2260002027	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Signal Boards/Light Plants	2011EP AMOBILE	2.75564E-07	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2260002039	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Concrete/ Industrial Saws	2011EP AMOBILE	0.00123983	TON	Off-Highway	Non-Road Gasoline	Construction

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2260002054	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment	2011EP AMOBILE	7.26192E-06	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2260003030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Sweepers/ Scrubbers	2011EP AMOBILE	4.50998E-06	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2260003040	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Other General Industrial Equipment	2011EP AMOBILE	3.62051E-07	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2260004015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)	2011EP AMOBILE	0.000137104	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004016	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)	2011EP AMOBILE	0.000478357	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004020	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Chain Saws < 6 HP (Residential)	2011EP AMOBILE	0.001884	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004021	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Chain Saws < 6 HP (Commercial)	2011EP AMOBILE	0.00529319	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004025	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/Brush Cutters (Residential)	2011EP AMOBILE	0.00261619	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004026	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/Brush Cutters (Commercial)	2011EP AMOBILE	0.00464179	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2260004030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leaf blowers/ Vacuums (Residential)	2011EP AMOBILE	0.00168397	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004031	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leaf blowers/ Vacuums (Commercial)	2011EP AMOBILE	0.00432946	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Snow blowers (Residential)	2011EP AMOBILE	0.000801564	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004036	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Snow blowers (Commercial)	2011EP AMOBILE	0.0013517	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260004071	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)	2011EP AMOBILE	2.02894E-06	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2260005035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Agricultural Equipment	Sprayers	2011EP AMOBILE	1.25994E-05	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2260006005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Generator Sets	2011EP AMOBILE	0.000139645	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2260006010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Pumps	2011EP AMOBILE	0.000931711	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2260006015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Air Compressors	2011EP AMOBILE	3.72904E-07	TON	Off-Highway	Non-Road Gasoline	Light Commercial

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2260006035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Hydro-power Units	2011EP AMOBILE	5.67757E-06	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2260007005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Logging Equipment	Chain Saws : 6 HP	2011EP AMOBILE	0.000234733	TON	Off-Highway	Non-Road Gasoline	Logging
NR	2265001010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	Motorcycles: Off-road	2011EP AMOBILE	0.00353018	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2265001030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	All-Terrain Vehicles	2011EP AMOBILE	0.0371467	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2265001050	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	Golf Carts	2011EP AMOBILE	0.0123316	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2265001060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	Specialty Vehicles/ Carts	2011EP AMOBILE	0.000929738	TON	Off-Highway	Non-Road Gasoline	Recreational
NR	2265002003	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Pavers	2011EP AMOBILE	0.000431455	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002006	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tampers/ Rammers	2011EP AMOBILE	3.18312E-06	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002009	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Plate Compactors	2011EP AMOBILE	0.000789824	TON	Off-Highway	Non-Road Gasoline	Construction

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265002015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rollers	2011EP AMOBILE	0.000758149	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002021	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Paving Equipment	2011EP AMOBILE	0.00150454	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002024	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Surfacing Equipment	2011EP AMOBILE	0.000632608	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002027	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Signal Boards/Light Plants	2011EP AMOBILE	3.25316E-05	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Trenchers	2011EP AMOBILE	0.00133245	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002033	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Bore/Drill Rigs	2011EP AMOBILE	0.000453344	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002039	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Concrete/Industrial Saws	2011EP AMOBILE	0.00277955	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002042	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cement and Mortar Mixers	2011EP AMOBILE	0.00133489	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cranes	2011EP AMOBILE	0.000108869	TON	Off-Highway	Non-Road Gasoline	Construction

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265002054	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment	2011EP AMOBILE	0.000179732	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002057	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rough Terrain Forklifts	2011EP AMOBILE	0.000168158	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rubber Tire Loaders	2011EP AMOBILE	0.000396053	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes	2011EP AMOBILE	0.000913142	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002072	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Skid Steer Loaders	2011EP AMOBILE	0.00063688	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002078	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Dumpers/ Tenders	2011EP AMOBILE	0.000208502	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265002081	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Other Construction Equipment	2011EP AMOBILE	0.000149703	TON	Off-Highway	Non-Road Gasoline	Construction
NR	2265003010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Aerial Lifts	2011EP AMOBILE	0.000541258	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265003020	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Forklifts	2011EP AMOBILE	0.00168934	TON	Off-Highway	Non-Road Gasoline	Industrial

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265003030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Sweepers/ Scrubbers	2011EP AMOBILE	0.000415838	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265003040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other General Industrial Equipment	2011EP AMOBILE	0.000751244	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265003050	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other Material Handling Equipment	2011EP AMOBILE	3.79346E-05	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265003060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	AC\ Refrigeration	2011EP AMOBILE	3.59639E-05	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265003070	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Terminal Tractors	2011EP AMOBILE	0.00016596	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2265004010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Residential)	2011EP AMOBILE	0.0230914	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004011	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Commercial)	2011EP AMOBILE	0.0131799	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)	2011EP AMOBILE	0.0019393	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004016	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)	2011EP AMOBILE	0.00676234	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265004025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/Edgers/Brush Cutters (Residential)	2011EP AMOBILE	0.000128257	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004026	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/Edgers/Brush Cutters (Commercial)	2011EP AMOBILE	0.000309292	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leaf blowers/Vacuums (Residential)	2011EP AMOBILE	0.000244761	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004031	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leaf blowers/Vacuums (Commercial)	2011EP AMOBILE	0.0130515	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Snow blowers (Residential)	2011EP AMOBILE	0.00263189	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004036	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Snow blowers (Commercial)	2011EP AMOBILE	0.00443823	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Residential)	2011EP AMOBILE	0.00473412	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004041	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Commercial)	2011EP AMOBILE	0.00149762	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004046	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Front Mowers (Commercial)	2011EP AMOBILE	0.00172934	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265004051	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Shredders < 6 HP (Commercial)	2011EP AMOBILE	0.000777808	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Residential)	2011EP AMOBILE	0.0634838	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004056	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)	2011EP AMOBILE	0.0203579	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Chippers/Stump Grinders (Commercial)	2011EP AMOBILE	0.00343544	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004071	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)	2011EP AMOBILE	0.0653644	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004075	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Residential)	2011EP AMOBILE	0.00224062	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265004076	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Commercial)	2011EP AMOBILE	0.0020126	TON	Off-Highway	Non-Road Gasoline	Lawn & Garden
NR	2265005010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	2-Wheel Tractors	2011EP AMOBILE	3.05708E-05	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Tractors	2011EP AMOBILE	0.000122606	TON	Off-Highway	Non-Road Gasoline	Farm

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265005020	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Combines	2011EP AMOBILE	8.66708E-07	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Balers	2011EP AMOBILE	8.30786E-05	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Mowers	2011EP AMOBILE	2.54761E-05	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Sprayers	2011EP AMOBILE	0.000278524	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Tillers : 6 HP	2011EP AMOBILE	0.000605246	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Swathers	2011EP AMOBILE	0.000131612	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Other Agricultural Equipment	2011EP AMOBILE	0.000189874	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265005060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Irrigation Sets	2011EP AMOBILE	0.000208387	TON	Off-Highway	Non-Road Gasoline	Farm
NR	2265006005	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Generator Sets	2011EP AMOBILE	0.0289067	TON	Off-Highway	Non-Road Gasoline	Light Commercial

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2265006010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pumps	2011EP AMOBILE	0.00714457	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2265006015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Air Compressors	2011EP AMOBILE	0.00382988	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2265006025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Welders	2011EP AMOBILE	0.0082437	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2265006030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pressure Washers	2011EP AMOBILE	0.0127926	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2265006035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Hydro-power Units	2011EP AMOBILE	0.00060485	TON	Off-Highway	Non-Road Gasoline	Light Commercial
NR	2265007010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Shredders : 6 HP	2011EP AMOBILE	0.000541522	TON	Off-Highway	Non-Road Gasoline	Logging
NR	2265007015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	2011EP AMOBILE	6.12862E-06	TON	Off-Highway	Non-Road Gasoline	Logging
NR	2265010010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other Oil Field Equipment	2011EP AMOBILE	0.000268666	TON	Off-Highway	Non-Road Gasoline	Industrial
NR	2267001060	Mobile Sources	LPG	Recreational Equipment	Specialty Vehicles/Carts	2011EP AMOBILE	6.82696E-05	TON	Off-Highway	Other	Liquified Petroleum Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2267002003	Mobile Sources	LPG	Construction and Mining Equipment	Pavers	2011EP AMOBILE	8.72413E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002015	Mobile Sources	LPG	Construction and Mining Equipment	Rollers	2011EP AMOBILE	0.000141303	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002021	Mobile Sources	LPG	Construction and Mining Equipment	Paving Equipment	2011EP AMOBILE	2.41152E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002024	Mobile Sources	LPG	Construction and Mining Equipment	Surfacing Equipment	2011EP AMOBILE	1.48095E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002030	Mobile Sources	LPG	Construction and Mining Equipment	Trenchers	2011EP AMOBILE	0.000268123	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002033	Mobile Sources	LPG	Construction and Mining Equipment	Bore/Drill Rigs	2011EP AMOBILE	9.55958E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002039	Mobile Sources	LPG	Construction and Mining Equipment	Concrete/Industrial Saws	2011EP AMOBILE	0.000241688	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002045	Mobile Sources	LPG	Construction and Mining Equipment	Cranes	2011EP AMOBILE	9.84438E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002054	Mobile Sources	LPG	Construction and Mining Equipment	Crushing/Processing Equipment	2011EP AMOBILE	1.65156E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002057	Mobile Sources	LPG	Construction and Mining Equipment	Rough Terrain Forklifts	2011EP AMOBILE	0.000173678	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002060	Mobile Sources	LPG	Construction and Mining Equipment	Rubber Tire Loaders	2011EP AMOBILE	0.000416342	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002066	Mobile Sources	LPG	Construction and Mining Equipment	Tractors / Loaders/ Backhoes	2011EP AMOBILE	4.37642E-05	TON	Off-Highway	Other	Liquified Petroleum Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2267002072	Mobile Sources	LPG	Construction and Mining Equipment	Skid Steer Loaders	2011EP AMOBILE	0.000362024	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267002081	Mobile Sources	LPG	Construction and Mining Equipment	Other Construction Equipment	2011EP AMOBILE	0.000149156	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003010	Mobile Sources	LPG	Industrial Equipment	Aerial Lifts	2011EP AMOBILE	0.00100797	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003020	Mobile Sources	LPG	Industrial Equipment	Forklifts	2011EP AMOBILE	0.0887263	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003030	Mobile Sources	LPG	Industrial Equipment	Sweepers/ Scrubbers	2011EP AMOBILE	0.000665465	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003040	Mobile Sources	LPG	Industrial Equipment	Other General Industrial Equipment	2011EP AMOBILE	0.000204498	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003050	Mobile Sources	LPG	Industrial Equipment	Other Material Handling Equipment	2011EP AMOBILE	5.41577E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267003070	Mobile Sources	LPG	Industrial Equipment	Terminal Tractors	2011EP AMOBILE	0.00039974	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267004066	Mobile Sources	LPG	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)	2011EP AMOBILE	0.00122885	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267005055	Mobile Sources	LPG	Agricultural Equipment	Other Agricultural Equipment	2011EP AMOBILE	1.46368E-06	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267005060	Mobile Sources	LPG	Agricultural Equipment	Irrigation Sets	2011EP AMOBILE	8.48013E-07	TON	Off-Highway	Other	Liquified Petroleum Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2267006005	Mobile Sources	LPG	Commercial Equipment	Generator Sets	2011EP AMOBILE	0.00404304	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267006010	Mobile Sources	LPG	Commercial Equipment	Pumps	2011EP AMOBILE	0.000906589	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267006015	Mobile Sources	LPG	Commercial Equipment	Air Compressors	2011EP AMOBILE	0.00106864	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267006025	Mobile Sources	LPG	Commercial Equipment	Welders	2011EP AMOBILE	0.00132985	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267006030	Mobile Sources	LPG	Commercial Equipment	Pressure Washers	2011EP AMOBILE	1.80374E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2267006035	Mobile Sources	LPG	Commercial Equipment	Hydro-power Units	2011EP AMOBILE	1.65692E-05	TON	Off-Highway	Other	Liquified Petroleum Gas
NR	2268002081	Mobile Sources	CNG	Construction and Mining Equipment	Other Construction Equipment	2011EP AMOBILE	5.19551E-06	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268003020	Mobile Sources	CNG	Industrial Equipment	Forklifts	2011EP AMOBILE	0.00582708	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268003030	Mobile Sources	CNG	Industrial Equipment	Sweepers/ Scrubbers	2011EP AMOBILE	6.35529E-06	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268003040	Mobile Sources	CNG	Industrial Equipment	Other General Industrial Equipment	2011EP AMOBILE	4.31709E-06	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268003060	Mobile Sources	CNG	Industrial Equipment	AC\ Refrigeration	2011EP AMOBILE	2.70053E-05	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268003070	Mobile Sources	CNG	Industrial Equipment	Terminal Tractors	2011EP AMOBILE	2.82654E-05	TON	Off-Highway	Other	Compressed Natural Gas

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2268005055	Mobile Sources	CNG	Agricultural Equipment	Other Agricultural Equipment	2011EP AMOBILE	5.45883E-07	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268005060	Mobile Sources	CNG	Agricultural Equipment	Irrigation Sets	2011EP AMOBILE	2.63577E-06	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268006005	Mobile Sources	CNG	Commercial Equipment	Generator Sets	2011EP AMOBILE	0.00104706	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268006010	Mobile Sources	CNG	Commercial Equipment	Pumps	2011EP AMOBILE	5.26847E-05	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268006015	Mobile Sources	CNG	Commercial Equipment	Air Compressors	2011EP AMOBILE	7.29448E-05	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268006020	Mobile Sources	CNG	Commercial Equipment	Gas Compressors	2011EP AMOBILE	0.00258166	TON	Off-Highway	Other	Compressed Natural Gas
NR	2268010010	Mobile Sources	CNG	Industrial Equipment	Other Oil Field Equipment	2011EP AMOBILE	0.000213781	TON	Off-Highway	Other	Compressed Natural Gas
NR	2270001060	Mobile Sources	Off-highway Vehicle Diesel	Recreational Equipment	Specialty Vehicles/Carts	2011EP AMOBILE	0.00122988	TON	Off-Highway	Non-Road Diesel	Recreational
NR	2270002003	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Pavers	2011EP AMOBILE	0.0130219	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002006	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tampers/Rammers	2011EP AMOBILE	2.14875E-05	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002009	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Plate Compactors	2011EP AMOBILE	0.000354398	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002015	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rollers	2011EP AMOBILE	0.0327819	TON	Off-Highway	Non-Road Diesel	Construction

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2270002018	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Scrapers	2011EP AMOBILE	0.0349824	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002021	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Paving Equipment	2011EP AMOBILE	0.00197028	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002024	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Surfacing Equipment	2011EP AMOBILE	0.0012211	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002027	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Signal Boards/Light Plants	2011EP AMOBILE	0.00364785	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002030	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Trenchers	2011EP AMOBILE	0.0155928	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002033	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Bore/Drill Rigs	2011EP AMOBILE	0.0133317	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002036	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Excavators	2011EP AMOBILE	0.130993	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002039	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Concrete/Industrial Saws	2011EP AMOBILE	0.00111035	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002042	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cement and Mortar Mixers	2011EP AMOBILE	0.00052566	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002045	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cranes	2011EP AMOBILE	0.0300308	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002048	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Graders	2011EP AMOBILE	0.0324801	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002051	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Trucks	2011EP AMOBILE	0.10987	TON	Off-Highway	Non-Road Diesel	Construction

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2270002054	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crushing/ Processing Equipment	2011EP AMOBILE	0.00532135	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002057	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rough Terrain Forklifts	2011EP AMOBILE	0.0427554	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002060	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rubber Tire Loaders	2011EP AMOBILE	0.142982	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002066	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes	2011EP AMOBILE	0.0882673	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002069	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crawler Tractor/ Dozers	2011EP AMOBILE	0.130446	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002072	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Skid Steer Loaders	2011EP AMOBILE	0.0605028	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002075	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Tractors	2011EP AMOBILE	0.0140255	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002078	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Dumpers/ Tenders	2011EP AMOBILE	0.000186598	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270002081	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Other Construction Equipment	2011EP AMOBILE	0.0135121	TON	Off-Highway	Non-Road Diesel	Construction
NR	2270003010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Aerial Lifts	2011EP AMOBILE	0.00154882	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270003020	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Forklifts	2011EP AMOBILE	0.022342	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270003030	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Sweepers/ Scrubbers	2011EP AMOBILE	0.00976045	TON	Off-Highway	Non-Road Diesel	Industrial

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2270003040	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other General Industrial Equipment	2011EP AMOBILE	0.00989743	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270003050	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Material Handling Equipment	2011EP AMOBILE	0.000380767	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270003060	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	AC\ Refrigeration	2011EP AMOBILE	0.0679788	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270003070	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Terminal Tractors	2011EP AMOBILE	0.0137834	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2270004031	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Leaf blowers/ Vacuums (Commercial)	2011EP AMOBILE	1.78555E-06	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004036	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Snow blowers (Commercial)	2011EP AMOBILE	0.000456243	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004046	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Front Mowers (Commercial)	2011EP AMOBILE	0.0122319	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004056	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)	2011EP AMOBILE	0.00252451	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004066	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)	2011EP AMOBILE	0.0165148	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004071	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Turf Equipment (Commercial)	2011EP AMOBILE	0.00196332	TON	Off-Highway	Non-Road Diesel	Lawn & Garden
NR	2270004076	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Commercial)	2011EP AMOBILE	4.64653E-05	TON	Off-Highway	Non-Road Diesel	Lawn & Garden

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2270005010	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	2-Wheel Tractors	2011EP AMOBILE	2.19613E-06	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005015	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Tractors	2011EP AMOBILE	0.0969642	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005020	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Combines	2011EP AMOBILE	0.00870542	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005025	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Balers	2011EP AMOBILE	4.90424E-05	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005030	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Mowers	2011EP AMOBILE	9.78081E-06	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005035	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Sprayers	2011EP AMOBILE	0.000738633	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005040	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Tillers : 6 HP	2011EP AMOBILE	1.02335E-06	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005045	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Swathers	2011EP AMOBILE	0.000689399	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005055	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Other Agricultural Equipment	2011EP AMOBILE	0.00189449	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270005060	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Irrigation Sets	2011EP AMOBILE	0.00140091	TON	Off-Highway	Non-Road Diesel	Farm
NR	2270006005	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Generator Sets	2011EP AMOBILE	0.0229114	TON	Off-Highway	Non-Road Diesel	Light Commercial
NR	2270006010	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pumps	2011EP AMOBILE	0.00540952	TON	Off-Highway	Non-Road Diesel	Light Commercial

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
NR	2270006015	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Air Compressors	2011EP AMOBILE	0.0149912	TON	Off-Highway	Non-Road Diesel	Light Commercial
NR	2270006025	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Welders	2011EP AMOBILE	0.00763174	TON	Off-Highway	Non-Road Diesel	Light Commercial
NR	2270006030	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pressure Washers	2011EP AMOBILE	0.000730325	TON	Off-Highway	Non-Road Diesel	Light Commercial
NR	2270006035	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Hydro-power Units	2011EP AMOBILE	0.00065021	TON	Off-Highway	Non-Road Diesel	Light Commercial
NR	2270007015	Mobile Sources	Off-highway Vehicle Diesel	Logging Equipment	Forest Eq - Feller/Bunch/Skidder	2011EP AMOBILE	0.00800683	TON	Off-Highway	Non-Road Diesel	Logging
NR	2270010010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Oil Field Equipment	2011EP AMOBILE	0.00094479	TON	Off-Highway	Non-Road Diesel	Industrial
NR	2282005010	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Outboard	2011EP AMOBILE	0.0265756	TON	Off-Highway	Non-Road Gasoline	Recreational Marine Vessels
NR	2282005015	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Personal Water Craft	2011EP AMOBILE	0.0113255	TON	Off-Highway	Non-Road Gasoline	Recreational Marine Vessels
NR	2282010005	Mobile Sources	Pleasure Craft	Gasoline 4-Stroke	Inboard/ Sterndrive	2011EP AMOBILE	0.0198249	TON	Off-Highway	Non-Road Gasoline	Recreational Marine Vessels
NR	2282020005	Mobile Sources	Pleasure Craft	Diesel	Inboard/ Sterndrive	2011EP AMOBILE	0.0195486	TON	Off-Highway	Non-Road Diesel	Recreational Marine Vessels
NR	2282020010	Mobile Sources	Pleasure Craft	Diesel	Outboard	2011EP AMOBILE	0.000070303	TON	Off-Highway	Non-Road Diesel	Recreational Marine Vessels

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

2011 Nonroad SO₂ Emission Inventory for Jefferson County: Rail, Marine, and Airport

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description	Airport Name
NP	22800 02200	Mobile Sources	Marine Vessels, Commercial	Diesel	Underway emissions	Multiple	1.49503	TON	Off-Highway	Marine Vessels	Diesel	
NP	22850 02006	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class I Operations	Multiple	2.22696490 1	TON	Off-Highway	Railroads	Other	
NR	22850 02015	Mobile Sources	Railroad Equipment	Diesel	Railway Maintenance	2011EPA MOBILE	0.00172042	TON	Off-Highway	Non-Road Diesel	Railway Maintenance	
NR	22850 04015	Mobile Sources	Railroad Equipment	Gasoline, 4-Stroke	Railway Maintenance	2011EPA MOBILE	7.45882E-05	TON	Off-Highway	Non-Road Gasoline	Railway Maintenance	
NR	22850 06015	Mobile Sources	Railroad Equipment	LPG	Railway Maintenance	2011EPA MOBILE	2.72324E-06	TON	Off-Highway	Other	Liquified Petroleum Gas	
P	22750 50011	Mobile Sources	Aircraft	General Aviation	Piston	2011EPA _Airports	0.00007395	TON	Off-Highway	Aircraft	Other	AIRE PARQUE
P	22750 50012	Mobile Sources	Aircraft	General Aviation	Turbine	2011EPA _Airports	0.00030828 8	TON	Off-Highway	Aircraft	Other	AIRE PARQUE
P	22750 50011	Mobile Sources	Aircraft	General Aviation	Piston	2011EPA _Airports	0.00009225	TON	Off-Highway	Aircraft	Other	JEFFERSON MEMORIAL HOSPITAL
P	22750 50012	Mobile Sources	Aircraft	General Aviation	Turbine	2011EPA _Airports	0.00121586	TON	Off-Highway	Aircraft	Other	JEFFERSON MEMORIAL HOSPITAL
P	22750 50011	Mobile Sources	Aircraft	General Aviation	Piston	2011EPA _Airports	0.00009225	TON	Off-Highway	Aircraft	Other	FOX RUN
P	22750 50012	Mobile Sources	Aircraft	General Aviation	Turbine	2011EPA _Airports	0.00121586	TON	Off-Highway	Aircraft	Other	FOX RUN
P	22750 50011	Mobile Sources	Aircraft	General Aviation	Piston	2011EPA _Airports	0.000005	TON	Off-Highway	Aircraft	Other	FESTUS MEMORIAL

Appendix B - 2011 Baseline SO₂ Source Emission Inventories for Jefferson County

2011 Event SO₂ Emission Inventory for Jefferson County: Agricultural and Prescribed Fires

Data Category	SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four	Data Set	Annual Emissions	UOM	Tier 1 Description	Tier 2 Description	Tier 3 Description
E	2810001000	Miscellaneous Area Sources	Other Combustion	Forest Wildfires	Wildfires	2011EPA_Event	3.669792	TON	Miscellaneous	Other Combustion	Forest Wildfires
E	2811015000	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Forest Burning	Unspecified Burn Method	2011EPA_Event	15.200066	TON	Miscellaneous	Other Combustion	Prescribed Burning