

AB 617 Shafter Community

DRAFT Community Emission Summary - Unreconciled Emissions

**Note: Work in Progress - Numbers Subject to Change, July 3, 2019

tpy: tons per year

lbs/day: pounds per day

SOURCE CATEGORY	NOX (tpy)	VOC (tpy)	PM25 (tpy)	DPM10 (lbs/day)	Benzene (lbs/day)	Toluene (lbs/day)	Xylenes (lbs/day)	Formaldehyde (lbs/day)	Cadmium (lbs/day)
AREA SOURCES (2017)									
FUEL COMBUSTION	31.68	3.03	1.38	6.13	0.54	0.35	0.17	2.81	0.00003
FOOD AND AGRICULTURAL PROCESSING	24.81	2.60	1.07	6.13	0.32	0.24	0.17	2.39	-
<i>Agricultural Portable Diesel Engines</i>	14.10	1.76	0.74	4.25	0.22	0.16	0.12	1.61	-
<i>Agricultural Stationary Diesel Engines</i>	10.71	0.84	0.33	1.88	0.11	0.08	0.06	0.77	-
MANUFACTURING AND INDUSTRIAL	1.30	0.00	0.00	-	0.0000003	0.0000001	0.0000001	0.000002	-
OIL AND GAS PRODUCTION (COMBUSTION)	0.47	0.01	0.00	-	0.0034	0.0017	0.00005	0.0074	0.000001
OTHER (FUEL COMBUSTION)	0.45	-	-	-	-	-	-	-	-
SERVICE AND COMMERCIAL	4.65	0.42	0.31	-	0.21	0.11	0.0001	0.42	0.00003
WASTE DISPOSAL	-	0.63	-	-	-	-	-	-	-
OTHER (WASTE DISPOSAL)	-	0.63	-	-	-	-	-	-	-
SEWAGE TREATMENT	-	-	-	-	-	-	-	-	-
CLEANING AND SURFACE COATINGS	-	21.95	-	-	0.01	12.42	8.49	-	-
ADHESIVES AND SEALANTS	-	1.79	-	-	0.01	0.21	-	-	-
COATINGS AND RELATED PROCESS SOLVENTS	-	8.02	-	-	-	12.01	7.58	-	-
DEGREASING	-	5.30	-	-	-	0.09	0.04	-	-
LAUNDERING	-	-	-	-	-	-	-	-	-
PRINTING	-	6.85	-	-	-	0.11	0.86	-	-
PETROLEUM PRODUCTION AND MARKETING	0.01	17.39	-	-	0.89	0.63	0.07	-	-
OIL AND GAS PRODUCTION	0.01	10.75	-	-	0.81	0.43	-	-	-
PETROLEUM MARKETING	-	6.63	-	-	0.08	0.19	0.07	-	-
INDUSTRIAL PROCESSES	-	1.00	0.20	-	0.02	0.001	-	-	-
CHEMICAL	-	0.29	-	-	0.02	0.001	-	-	-
FOOD AND AGRICULTURE	-	0.72	-	-	-	-	-	-	-
METAL PROCESSES	-	-	0.15	-	-	-	-	-	-
WOOD AND PAPER	-	-	0.05	-	-	-	-	-	-
SOLVENT EVAPORATION	-	203.37	-	-	0.03	9.68	7.99	0.01	-
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	-	25.17	-	-	-	1.74	2.62	-	-
ASPHALT PAVING / ROOFING	-	6.49	-	-	0.03	0.24	0.31	-	-
CONSUMER PRODUCTS	-	51.57	-	-	0.00002	7.70	5.06	0.01	-
PESTICIDES/FERTILIZERS	-	120.14	-	-	-	-	-	-	-
MISCELLANEOUS PROCESSES	18.00	280.61	186.90	-	0.64	0.89	0.26	6.78	0.23
CONSTRUCTION AND DEMOLITION	-	-	1.43	-	-	-	-	-	0.0034
COOKING (COMMERCIAL COOKING/FRYING)	-	1.73	10.69	-	0.06	0.03	0.01	1.24	0.0001
FARMING OPERATIONS	-	269.02	114.57	-	-	0.17	-	1.45	0.18
<i>Harvest Operations - Dust</i>	-	-	87.03	-	-	-	-	-	0.14
<i>Livestock Husbandry</i>	-	269.02	6.16	-	-	0.17	-	1.45	0.0027
<i>Tilling Operations - Dust</i>	-	-	21.38	-	-	-	-	-	0.03
FIRES	0.05	0.21	0.30	-	-	-	-	0.03	0.00003
FUGITIVE WINDBLOWN DUST	-	-	21.47	-	-	-	-	-	0.03
MANAGED BURNING AND DISPOSAL	3.08	6.09	5.81	-	0.14	0.08	0.02	1.81	0.0010
OTHER (MISCELLANEOUS PROCESSES)	-	-	-	-	-	-	-	-	-
PAVED ROAD DUST	-	-	21.13	-	-	-	-	-	0.01
RESIDENTIAL FUEL COMBUSTION	14.87	3.56	3.53	-	0.44	0.61	0.24	2.25	0.0001
<i>Residential Fuel Combustion (Other Fuel)</i>	13.46	0.88	1.16	-	0.41	0.20	0.00	0.85	0.000001
<i>Residential Natural Gas Combustion - Cooking</i>	1.06	0.06	0.09	-	0.03	0.02	-	0.06	-
<i>Residential Wood Combustion - Fireplaces</i>	0.14	0.98	1.19	-	-	0.15	0.09	0.50	0.00003
<i>Residential Wood Combustion - Wood Stoves</i>	0.21	1.64	1.10	-	-	0.24	0.15	0.84	0.00003
UNPAVED ROAD DUST	-	-	7.96	-	-	-	-	-	0.01
AREA SOURCES EMISSION TOTAL	49.70	527.98	188.48	6.13	2.13	23.96	16.99	9.60	0.23

SOURCE CATEGORY	NOX (tpy)	VOC (tpy)	PM25 (tpy)	DPM10 (lbs/day)	Benzene (lbs/day)	Toluene (lbs/day)	Xylenes (lbs/day)	Formaldehyde (lbs/day)	Cadmium (lbs/day)
OFF-ROAD MOBILE SOURCES (2017)									
AIRCRAFT	5.94	5.02	4.06	-	0.71	0.93	0.25	2.23	-
TRAINS	5.42	0.00	0.10	0.60	0.00	0.00	0.00	0.00	0.00
RECREATIONAL BOATS	-	1.53	-	-	0.07	0.20	0.08	-	-
OFF-ROAD RECREATIONAL VEHICLES	0.52	7.29	0.08	-	0.56	2.36	0.78	0.32	-
OFF-ROAD EQUIPMENT	39.59	19.04	2.06	8.62	2.67	4.97	4.15	5.08	0.00
AIRPORT GROUND SUPPORT EQUIPMENT	0.28	0.06	0.01	0.05	0.01	0.02	0.01	0.02	0.00
COMMERCIAL: Compressors, generators, pumps, etc.	11.57	3.01	0.62	2.15	0.41	0.70	0.57	1.14	0.00
CONSTRUCTION AND MINING EQUIPMENT	17.77	1.96	0.87	4.64	0.26	0.26	0.20	1.59	0.00
INDUSTRIAL EQUIPMENT	1.46	0.23	0.09	0.47	0.03	0.04	0.03	0.16	0.00
LAWN AND GARDEN: Leaf blowers, chippers, lawn mowers, etc.	2.23	13.27	0.28	0.20	1.89	3.91	3.29	1.68	0.00
OIL DRILLING AND WORKOVER	0.57	0.02	0.01	0.05	0.00	0.00	0.00	0.02	0.00
OTHER: Miscellaneous portable equipment	1.57	0.11	0.05	0.30	0.01	0.01	0.01	0.10	0.00
TRANSPORT REFRIGERATION UNITS	4.14	0.38	0.13	0.76	0.05	0.04	0.03	0.37	0.00
FARM EQUIPMENT	111.58	17.83	6.11	35.57	2.26	2.08	1.54	14.65	0.00
FUEL STORAGE AND HANDLING	-	3.46	-	-	0.10	0.26	0.10	-	-
OFF-ROAD SOURCES EMISSION TOTAL	163.06	54.16	12.41	44.79	6.37	10.80	6.90	22.28	0.00
ON-ROAD MOBILE SOURCES (2017)									
LIGHT-DUTY VEHICLES	80.22	94.75	7.57	0.25	15.39	39.81	33.00	6.85	0.0002
MEDIUM-DUTY VEHICLES	101.98	14.63	3.61	14.23	1.51	3.65	2.98	2.83	0.0002
HEAVY-DUTY VEHICLES	345.79	17.06	8.96	44.73	3.14	2.39	1.74	22.53	0.0007
ON-ROAD SOURCES EMISSION TOTAL	527.98	126.44	20.14	59.20	20.04	45.85	37.71	32.21	0.0012