

2019 Toxic Emissions by Major Source Category in Portside Environmental Justice Neighborhoods Community (lbs/year)

Stationary Sources	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
Cleaning and Surface Coating	0.00	0.00	0.00	0.00	0.00	442.15	10.49	538.75	0.01	204.21	0.00	0.00	0.00	0.00
Autobody Refinishing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Marine Coatings	0.00	0.00	0.00	0.00	0.00	442.15	10.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wood Product Coatings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	538.75	0.00	204.21	0.00	0.00	0.00	0.00
Fuel Combustion	82.85	0.65	83.53	0.58	0.05	1.56	0.00	751.66	3.22	0.14	1.52	0.06	0.04	0.05
Boiler	0.00	0.00	3.36	0.00	0.00	0.00	0.00	57.2	0.00	0.00	0.00	0.00	0.00	0.00
Engines	82.34	0.61	71.57	0.57	0.04	1.56	0.00	658.65	3.15	0.01	1.48	0.00	0.00	0.00
Turbines	0.51	0.00	3.62	0.00	0.00	0.00	0.00	25.71	0.00	0.00	0.00	0.00	0.00	0.00
Flares	0.00	0.00	0.02	0.01	0.01	0.00	0.00	0.27	0.00	0.13	0.00	0.06	0.04	0.05
Misc Combustion	0.00	0.04	4.96	0.00	0.00	0.00	0.00	9.83	0.07	0.00	0.04	0.00	0.00	0.00
Industrial Processes	0.00	0.30	0.03	17.54	2.13	3294.12	0.00	1.34	4.09	0.00	135.33	4.14	0.21	0.00
Abrasive Blasting	0.00	0.00	0.00	4.35	0.00	3262.87	0.00	0.00	3.86	0.00	43.33	0.00	0.00	0.00
Mineral Industry	0.00	0.24	0.00	0.01	0.05	0.44	0.00	0.00	0.23	0.00	0.26	0.00	0.00	0.00
Miscellaneous Industrial Processes	0.00	0.06	0.03	0.00	0.01	0.03	0.00	1.34	0.00	0.00	0.29	4.14	0.21	0.00
Welding	0.00	0.00	0.00	13.18	2.07	30.78	0.00	0.00	0.00	0.00	91.45	0.00	0.00	0.00
Petroleum Production and Marketing	0.00	0.00	324.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulk Gasoline Loading Rack	0.00	0.00	48.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxygenated Gasoline	0.00	0.00	133.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulk Gasoline Vapor Processor	0.00	0.00	135.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gasoline Storage Tanks	0.00	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Marketing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste Disposal	0.00	0.00	0.72	0.00	0.00	0.00	0.20	0.00	0.00	5.86	0.00	2.99	1.79	2.21
Landfill Operations	0.00	0.00	0.72	0.00	0.00	0.00	0.20	0.00	0.00	5.86	0.00	2.99	1.79	2.21
Wastewater	0.00	0.00	0.14	0.00	0.00	0.00	4.65	12.03	0.00	4.47	0.00	617.96	550.51	3.09
Pump Station	0.00	0.00	0.14	0.00	0.00	0.00	4.65	12.03	0.00	4.47	0.00	617.96	550.51	3.09
Total	82.85	0.95	408.89	18.12	2.18	3737.83	15.14	1303.78	7.32	214.68	136.85	625.15	552.55	5.35

(continued)

2018 Toxic Emissions by Major Source Category in Portside Environmental Justice Neighborhoods Community (lbs/year)

Source Category	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
Area-wide Source	164.44	36.68	372.24	40.34	21.09	247.96	0.00	10232.01	1083.55	17916.96	119.41	2216.53	1327.17	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	526.05	0.00	177.64	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	0.00	0.06	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONSTRUCTION AND DEMOLITION	0.00	31.25	0.00	38.61	20.59	187.51	0.00	0.00	1023.95	0.00	108.46	0.00	0.00	0.00
CONSUMER PRODUCTS	0.00	0.00	0.05	0.00	0.00	0.00	0.00	13.04	0.00	17390.91	0.00	2038.89	1327.17	0.00
COOKING	164.44	0.16	129.98	0.26	0.07	10.91	0.00	8693.52	16.08	0.00	3.59	0.00	0.00	0.00
FIRES	0.00	0.00	0.00	0.02	0.00	0.01	0.00	39.04	0.07	0.00	0.00	0.00	0.00	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.02	0.00	0.03	0.01	0.10	0.00	0.00	1.08	0.00	0.08	0.00	0.00	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAVED ROAD DUST	0.00	4.20	0.00	0.97	0.27	47.86	0.00	0.00	40.10	0.00	3.88	0.00	0.00	0.00
PESTICIDES/FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESIDENTIAL FUEL COMBUSTION	0.00	0.89	242.15	0.11	0.13	0.02	0.00	1486.41	0.99	0.00	3.04	0.00	0.00	0.00
UNPAVED ROAD DUST	0.00	0.15	0.00	0.13	0.01	1.54	0.00	0.00	1.27	0.00	0.36	0.00	0.00	0.00
Off-Road Mobile Source	3462.50	0.08	17195.94	1.12	0.56	12.68	0.00	39389.27	27.17	0.00	27.23	0.00	0.00	0.00
COMMERCIAL HARBOR CRAFT	231.11	0.05	2432.70	0.68	0.04	1.70	0.00	17892.49	0.24	0.00	0.21	0.00	0.00	0.00
FUEL STORAGE AND HANDLING	0.00	0.00	160.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCEAN GOING VESSELS	52.65	0.00	554.24	0.00	0.00	0.00	0.00	4076.42	0.00	0.00	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	1612.30	0.03	7434.37	0.38	0.26	6.16	0.00	11531.23	12.97	0.00	13.10	0.00	0.00	0.00
OFF-ROAD RECREATIONAL VEHICLES	0.80	0.00	35.35	0.00	0.00	0.00	0.00	3.25	0.01	0.00	0.01	0.00	0.00	0.00
RECREATIONAL BOATS	1562.61	0.00	6546.78	0.00	0.26	4.80	0.00	5651.42	13.93	0.00	13.89	0.00	0.00	0.00
TRAINS	3.03	0.00	31.88	0.06	0.00	0.03	0.00	234.46	0.03	0.00	0.01	0.00	0.00	0.00

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2018 Toxic Emissions by Major Source Category in Portside Environmental Justice Neighborhoods Community (lbs/year)

On-Road Mobile Source	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
LDV	1591.78	0.96	12670.75	0.27	5.45	1028.70		5909.99	10.09	0.00	60.09	0.00	0.00	0.00
LHDV	51.22	0.07	722.30	0.09	0.36	68.61		1342.27	0.51	0.00	3.99	0.00	0.00	0.00
MHDV	29.40	0.06	318.66	0.05	0.27	45.80		1716.23	0.27	0.00	2.72	0.00	0.00	0.00
HHDV	31.74	0.04	335.20	0.06	0.19	29.19		2437.39	0.41	0.00	1.79	0.00	0.00	0.00
BUS	51.62	0.02	554.32	0.01	0.15	27.87		3696.71	0.18	0.00	1.61	0.00	0.00	0.00
Total	1755.76	1.14	14601.24	0.48	6.42	1200.17		15102.59	11.47	0.00	70.21	0.00	0.00	0.00

LDV: Light Duty Vehicle
LHDV: Light Heavy Duty Vehicle
MHDV: Medium Heavy Duty Vehicle
HHDV: Heavy Heavy Duty Vehicle
BUS: Bus

2025 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods Community (lbs/yr)

Category Source	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
Area-wide Source	169.66	35.81	378.98	39.04	20.38	244.32	0.00	10515.73	1050.19	18483.51	115.95	2288.91	1409.36	0.00
MISCELLANEOUS PROCESSES	169.66	35.81	378.88	38.83	20.38	244.32	0.00	10501.54	1050.19	0.00	115.95	0.00	0.00	0.00
CONSTRUCTION AND DEMOLITION	0.00	30.15	0.00	37.25	19.86	180.91	0.00	0.00	987.88	0.00	104.64	0.00	0.00	0.00
COOKING	169.66	0.17	134.11	0.27	0.08	11.26	0.00	8969.50	16.59	0.00	3.70	0.00	0.00	0.00
FIRES	0.00	0.00	0.00	0.02	0.00	0.01	0.00	40.41	0.07	0.00	0.00	0.00	0.00	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.02	0.00	0.03	0.01	0.10	0.00	0.00	1.08	0.00	0.08	0.00	0.00	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAVED ROAD DUST	0.00	4.43	0.00	1.02	0.29	50.48	0.00	0.00	42.29	0.00	4.09	0.00	0.00	0.00
RESIDENTIAL FUEL COMBUSTION	0.00	0.89	244.77	0.11	0.13	0.02	0.00	1491.63	0.99	0.00	3.07	0.00	0.00	0.00
UNPAVED ROAD DUST	0.00	0.15	0.00	0.13	0.01	1.54	0.00	0.00	1.27	0.00	0.36	0.00	0.00	0.00
SOLVENT EVAPORATION	0.00	0.00	0.10	0.21	0.00	0.00	0.00	14.19	0.00	18483.51	0.00	2288.91	1409.36	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	544.89	0.00	184.01	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	0.00	0.05	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONSUMER PRODUCTS	0.00	0.00	0.05	0.00	0.00	0.00	0.00	14.19	0.00	17938.61	0.00	2104.90	1409.36	0.00
PESTICIDES/FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Mobile Source	3161.79	0.06	15937.92	0.74	0.60	12.24	0.00	39265.23	24.48	0.00	24.56	0.00	0.00	0.00
OTHER MOBILE SOURCES	3161.79	0.06	15937.92	0.74	0.60	12.24	0.00	39265.23	24.48	0.00	24.56	0.00	0.00	0.00
COMMERCIAL HARBOR CRAFT	240.92	0.04	2536.05	0.53	0.12	2.32	0.00	18652.64	0.21	0.00	0.19	0.00	0.00	0.00
FUEL STORAGE AND HANDLING	0.00	0.00	131.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCEAN GOING VESSELS	64.33	0.00	677.15	0.00	0.00	0.00	0.00	4980.43	0.00	0.00	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	1734.36	0.01	7833.96	0.17	0.29	6.33	0.00	11445.89	13.88	0.00	14.03	0.00	0.00	0.00
OFF-ROAD RECREATIONAL VEHICLES	0.73	0.00	28.89	0.00	0.00	0.00	0.00	3.26	0.01	0.00	0.01	0.00	0.00	0.00
RECREATIONAL BOATS	1119.72	0.00	4712.67	0.00	0.19	3.57	0.00	4049.69	10.36	0.00	10.33	0.00	0.00	0.00
TRAINS	1.72	0.00	18.13	0.04	0.00	0.02	0.00	133.32	0.02	0.00	0.01	0.00	0.00	0.00

* District in process of estimating stationary source emission growth and will provide the final and latest stationary source emissions data when available

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2025 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods Community (lbs/yr)

On-Road Mobile Source	1,3- Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
LDV	950.26	0.98	7900.33	0.22	5.65	1069.65	0.00	3438.14	9.91	0.00	62.31	0.00	0.00	0.00
LHDV	30.29	0.06	459.28	0.06	0.35	67.59	0.00	1105.89	0.48	0.00	3.92	0.00	0.00	0.00
MHDV	4.59	0.05	49.26	0.00	0.29	54.19	0.00	80.38	0.31	0.00	3.15	0.00	0.00	0.00
HHDV	12.91	0.03	136.39	0.00	0.18	32.11	0.00	993.15	0.40	0.00	1.99	0.00	0.00	0.00
BUS	53.06	0.02	565.03	0.01	0.15	28.19	0.00	3955.59	0.17	0.00	1.63	0.00	0.00	0.00
Total	1051.11	1.14	9110.29	0.29	6.61	1251.73	0.00	9573.16	11.27	0.00	72.99	0.00	0.00	0.00

- LDV: Light Duty Vehicle
- LHDV: Light Heavy Duty Vehicle
- MHDV: Medium Heavy Duty Vehicle
- HHDV: Heavy Heavy Duty Vehicle
- BUS: Bus

2030 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods

Community (lbs/yr)

Category Source	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
Area-wide Source	173.57	34.83	378.27	37.67	19.64	239.45	0.00	10716.77	1014.90	18904.19	112.20	2342.42	1463.30	0.00
MISCELLANEOUS PROCESSES	173.57	34.83	378.17	37.47	19.64	239.45	0.00	10701.87	1014.90	0.00	112.20	0.00	0.00	0.00
CONSTRUCTION AND DEMOLITION	0.00	29.02	0.00	35.85	19.12	174.12	0.00	0.00	950.81	0.00	100.71	0.00	0.00	0.00
COOKING	173.57	0.17	137.21	0.27	0.08	11.52	0.00	9176.49	16.97	0.00	3.79	0.00	0.00	0.00
FIRES	0.00	0.00	0.00	0.02	0.00	0.01	0.00	41.34	0.08	0.00	0.00	0.00	0.00	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.02	0.00	0.03	0.01	0.10	0.00	0.00	1.08	0.00	0.08	0.00	0.00	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAVED ROAD DUST	0.00	4.58	0.00	1.06	0.30	52.14	0.00	0.00	43.69	0.00	4.23	0.00	0.00	0.00
RESIDENTIAL FUEL COMBUSTION	0.00	0.89	240.97	0.11	0.13	0.02	0.00	1484.04	0.99	0.00	3.03	0.00	0.00	0.00
UNPAVED ROAD DUST	0.00	0.15	0.00	0.13	0.01	1.54	0.00	0.00	1.27	0.00	0.36	0.00	0.00	0.00
SOLVENT EVAPORATION	0.00	0.00	0.10	0.20	0.00	0.00	0.00	14.91	0.00	18904.19	0.00	2342.42	1463.30	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	557.45	0.00	188.25	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	0.00	0.05	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONSUMER PRODUCTS	0.00	0.00	0.05	0.00	0.00	0.00	0.00	14.91	0.00	18346.74	0.00	2154.17	1463.30	0.00
PESTICIDES/FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-road Mobile Source	3028.72	0.05	15356.30	0.59	0.64	12.23	0.00	38688.62	23.01	0.00	23.10	0.00	0.00	0.00
OTHER MOBILE SOURCES	3028.72	0.05	15356.30	0.59	0.64	12.23	0.00	38688.62	23.01	0.00	23.10	0.00	0.00	0.00
COMMERCIAL HARBOR CRAFT	229.49	0.04	2415.66	0.44	0.17	2.79	0.00	17767.16	0.18	0.00	0.16	0.00	0.00	0.00
FUEL STORAGE AND HANDLING	0.00	0.00	120.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCEAN GOING VESSELS	74.19	0.00	780.91	0.00	0.00	0.00	0.00	5743.56	0.00	0.00	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	1828.60	0.01	8223.78	0.12	0.31	6.50	0.00	11850.77	14.34	0.00	14.48	0.00	0.00	0.00
OFF-ROAD RECREATIONAL VEHICLES	0.73	0.00	24.99	0.00	0.00	0.00	0.00	3.37	0.01	0.00	0.01	0.00	0.00	0.00
RECREATIONAL BOATS	894.58	0.00	3778.47	0.00	0.16	2.92	0.00	3235.41	8.47	0.00	8.45	0.00	0.00	0.00
TRAINS	1.14	0.00	12.01	0.03	0.00	0.01	0.00	88.36	0.01	0.00	0.01	0.00	0.00	0.00

* District in process of estimating stationary source emission growth and will provide the final and latest stationary source emissions data when available

(continued)

2030 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods Community (lbs/yr)

On-Road Mobile Source	1,3-Butadiene	Arsenic	Benzene	Cadmium	Chromium, Hexavalent	Copper	Ethylene dichloride	Formaldehyde	Lead	Methylene Chloride	Nickel	Perchloroethylene	Trichloroethylene	Vinyl chloride
LDV	753.15	0.99	6410.20	0.17	5.80	1101.63	0.00	2742.10	9.66	0.00	64.07	0.00	0.00	0.00
LHDV	23.91	0.06	382.92	0.05	0.35	66.30	0.00	1023.94	0.46	0.00	3.84	0.00	0.00	0.00
MHDV	4.19	0.05	42.01	0.00	0.30	57.39	0.00	79.23	0.33	0.00	3.33	0.00	0.00	0.00
HHDV	14.60	0.03	154.08	0.00	0.19	33.98	0.00	1124.87	0.43	0.00	2.10	0.00	0.00	0.00
BUS	60.31	0.02	638.82	0.01	0.15	27.85	0.00	4549.16	0.17	0.00	1.61	0.00	0.00	0.00
Total	856.16	1.16	7628.02	0.23	6.78	1287.15	0.00	9519.30	11.06	0.00	74.96	0.00	0.00	0.00

LDV: Light Duty Vehicle
 LHDV: Light Heavy Duty Vehicle
 MHDV: Medium Heavy Duty Vehicle
 HHDV: Heavy Heavy Duty Vehicle
 BUS: Bus