EJ Screen Report (Version 2018)

9/13/2019 4 mile Ring Centered at 42.289490,-83.152606, EPA Region 5

Approximate Population: 182,083 Input Area (sq. miles): 50.26

Marathon Petroleum Company LP (The study area contains 3 blockgroup(s) with zero population.



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	16

Selected Variables	Value	State Average	Percentile in State	EPA Region Average	Percentile in EPA Region		Percentile in USA		
Environmental Indicators									
Particulate Matter (PM 2.5 in µg/m³)	11.1	10.2	89	10.8	48	9.53	80		
Ozone (ppb)	42.6	42.9	27	42.6	39	42.5	50		
NATA* Diesel PM (μg/m³)	1.36	0.726	90	0.932	80-90th	0.938	80-90th		
NATA* Air Toxics Cancer Risk (risk per MM)	45	31	97	34	90-95th	40	60-70th		
NATA* Respiratory Hazard Index	1.7	1.3	75	1.7	50-60th	1.8	<50th		
Traffic Proximity and Volume (daily traffic count/distance to road)	1800	570	92	370	95	600	92		
Lead Paint Indicator (% pre-1960s housing)	0.79	0.38	86	0.38	87	0.29	92		
Superfund Proximity (site count/km distance)	0.039	0.13	37	0.12	41	0.12	42		
RMP Proximity (facility count/km distance)	2.1	0.52	95	0.81	90	0.72	91		
Hazardous Waste Proximity (facility count/km distance)	3.4	0.8	95	1.5	87	4.3	85		
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.047	0.16	92	4.2	83	30	87		
Demographic Indicators									
Demographic Index	54%	29%	85	28%	86	36%	77		
Minority Population	47%	24%	83	25%	82	38%	65		
Low Income Population	61%	34%	86	32%	89	34%	87		
Linguistically Isolated Population	11%	2%	95	2%	92	4%	84		
Population with Less Than High School Education	31%	10%	96	10%	95	13%	90		
Population under Age 5	8%	6%	81	6%	77	6%	75		
Population over Age 64	10%	15%	27	15%	31	14%	35		

^{*}The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decisionmaking, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.