

Portland Environmental Justice Report

Portland neighborhoods with the highest percentage of Black, Latinx, and Asian residents are disproportionately exposed to

dangerous industrial smokestacks and unfiltered diesel truck routes. This report maps data from seven government agencies including the most recent racial diversity data publicly released by the decennial census on September 16th 2021.

The Portland neighborhoods with the most African American and Latinx residents are along the Columbia River, near the most dangerous industrial polluters according to DEQ's Level I Screening, and near Columbia Blvd. -- among the most polluted diesel truck routes according to Portland Bureau of Transportation. I-205, among the most heavily polluted Portland highways, runs through the neighborhoods with the highest percentages of Asian-American people.

According to the US Environmental Protection Agency (EPA):

"Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations and policies. Fair treatment means no group of people should bear a disproportionate share of the negative environmental consequences resulting from industrial, governmental and commercial operations or policies."

Oregon does not include human health as a factor in the regulation of industrial air pollution with the exception of new industries coming to Oregon, which must comply with DEQ's Cleaner Air Oregon (CAO) program. Five of the most dangerous industries in Portland have been called in to CAO to complete Risk Assessments, required for DEQ to mandate pollution control equipment.

The neighborhoods of Portland where 82-92% of residents identify as white only according to the 2020 Census, are mostly located away from industry and highways. Exceptions include NW District -- a high income area adjoined to the NW industrial area, and downtown Portland -- a low income area surrounded by high industrial-truck-count highways. And several predominantly white neighborhoods are adjoined to I-5 and I-205 which are among the most dangerously polluted highways in the US according to the most recent EPA National Air Toxics Assessment.

Portland schools with greater racial diversity or serving lower income households are more likely to experience disproportionate industrial air pollution and are unlikely to have sufficient air filtration. A 66-page report submitted to Portland Public Schools by Portland State University advised that students' "outdoor activities be limited at Harriet Tubman Middle School, especially during high traffic periods." This is virtually always due to the school's close proximity to in-city I-5, which has among the highest industrial diesel traffic counts of any Oregon highway according to ODOT. Harriet Tubman Middle School students are 67% non-white.

Cascadia Action works to assist 57 Portland Neighborhood Association boards, 16 local churches and synagogues and nine other local groups to negotiate with industry. We use statistics and data analysis, GIS mapping, computer programming, and web design to make government data understandable to everyone. To volunteer or donate money to our innovative air monitor project please contact:

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George, Linda et al. 2018. Indoor and outdoor air quality at Harriet Tubman Middle School and the design of mitigation measures: Phase I report. Online at: http://opb-imgserve-production.s3website-us-west-2.amazonaws.com/original/tubman -_psu_htmsreport_phase1_outdoor_monitoring_final_15308252 87922.pdf

Portland Clean Air. 2019. Portland Diesel Particulate. Online at: http://portlandcleanair.org/files/reports/Portland%20Stack%20a nd%20Diesel%20Booklet%20Color.pdf

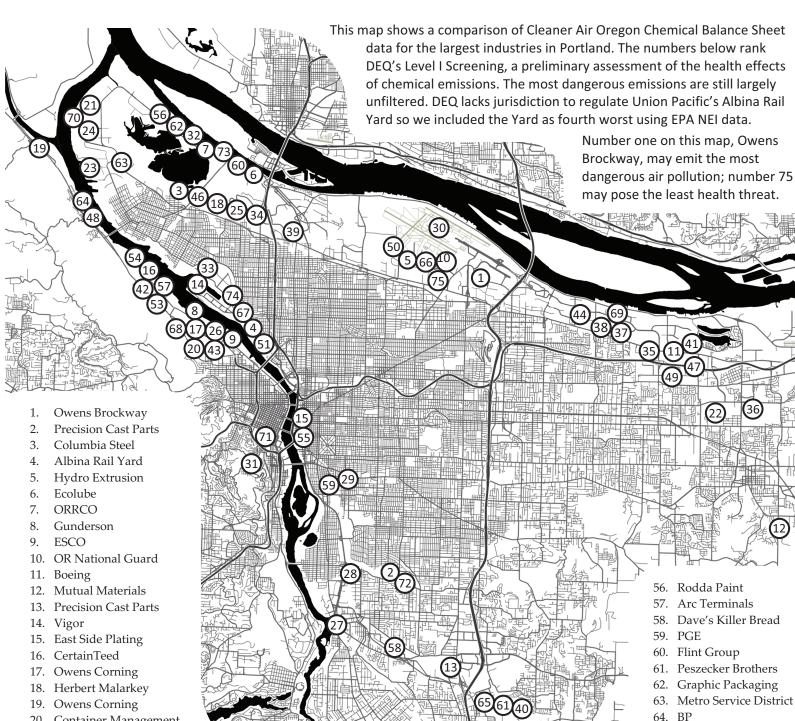
Portland Clean Air. (2020) Ranking procedures, Portland-area stationary industrial air polluters. Online at: http://www.portlandcleanair.org/files/pcapubs.html

United States Environmental Protection Agency. 2021. Learn About Environmental Justice. Online at: www.epa.gov/environmentaljustice/learn-about-environmental-



INDUSTRIAL AIR POLLUTERS

Portland factories ranked by risk to human health



- 32. Supreme Perlite 33. Daimler Trucks

20. Container Management

22. Microchip Technology

23. Northwest Pipe

24. Ash Grove Cement

27. Clackamas County

28. East Side Plating

29. Bullseye Glass

30. Port of Portland

21. Evraz

25. Arclin

26. Solenis

31. OHSU

- 34. Blasen Lumber
- 35. US Bancorp
- 36. SemiConductor Comp.
- 37. Hickory Springs of CA
- 38. Signature Graphics 39. Mondelez

- 41. City of Gresham

40. Peco

44. Canron

47. Cascade

45. PGE

42. Kinder Morgan

46. City of Portland

- 50. Boeing
- 43. Galvanziers

54. Siltronic

53. Phillips 66

- 51. Oldcastle Building
- 52. US Bakery

55. East Side Plating

48. Shore Terminals

49. International Paper

- 72. McClure
- 71. PSU 73. Lacamas

64.

65. Conveyco

68. Equilon

66. Silver Eagle

69. Pierce Pacific

70. J. R. Simplot

67. Ash Grove Cement

- 74. EZFlow
- 75. Apex Anodizing

