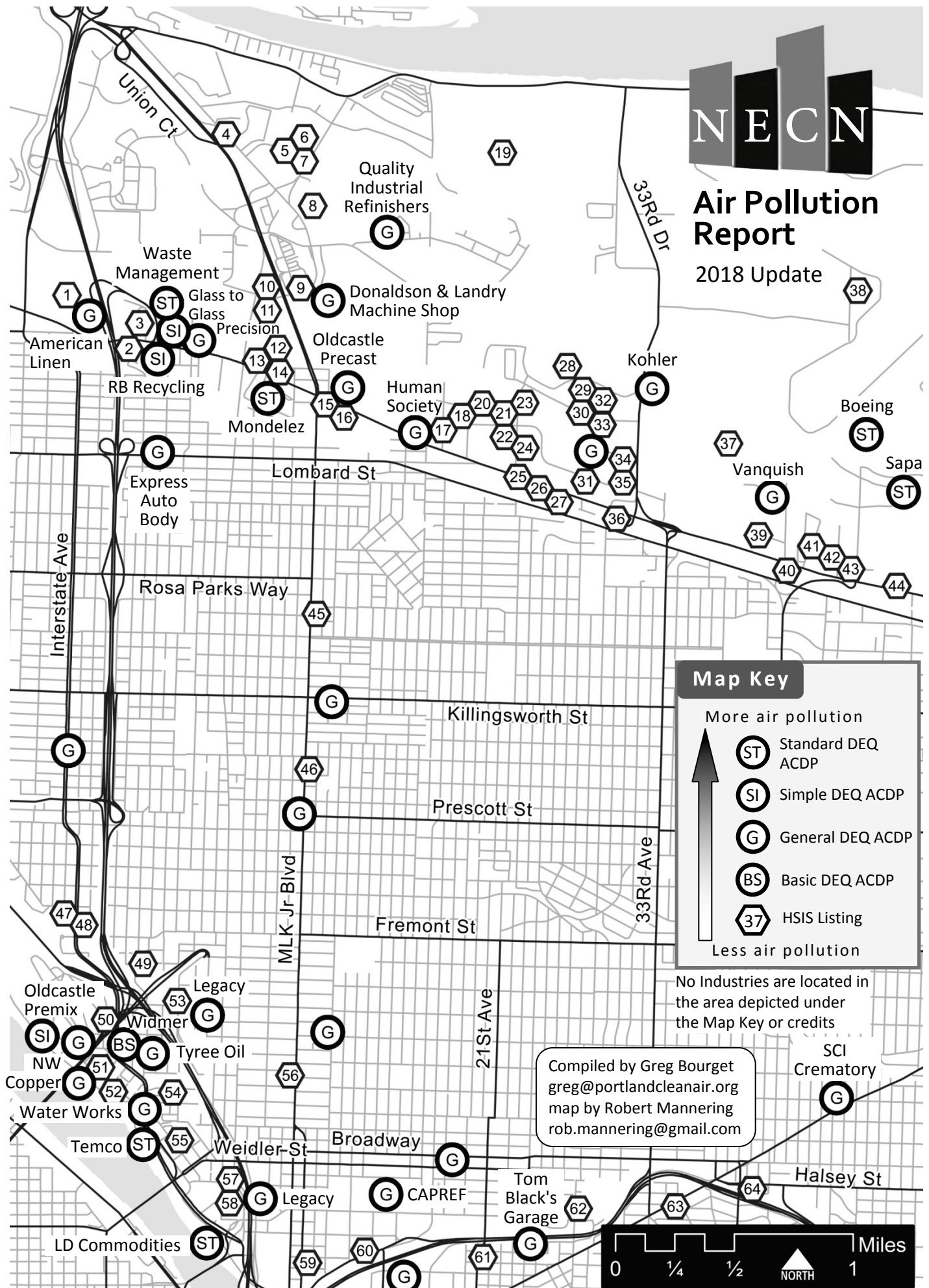




Air Pollution Report

2018 Update



Key to Front Page

Industries with DEQ Air Contaminant Discharge Permit +HSIS

Widmer Bros Brewing Co	924 N Russell St
Ross Island Sand & Gravel Co	1208 N River St
Louis Dreyfus Co	900 N Thunderbird Way
Temco LLC	800 N River St
AlSCO American Linen	1441 N Columbia Blvd
Benson Polytechnic High School	546 NE 12th Ave
Mondelez Global LLC	100 NE Columbia Blvd
Sapa Profiles Inc	5325 NE Skyport Way
Central Pre-mix Concrete Products Company	1402 N River St
Sunny's Cleaners (out of business?)	5010 N Interstate Ave
Abe's Broadway Cleaners Inc	1730 NE Broadway St
Stewart's Dry Cleaners Inc	2701 NE 7th Ave
Abraham's Fabric Clinic LLC	4511 NE MLK Blvd
Walnut Park Cleaner's & Coin-Op Laundry	5420 NE 6th Ave

Industries with only Fire Marshall HSIS listing

1	Coast Crane Co	1601 NE Columbia Blvd
2	ODOT	1100 N Columbia Blvd
3	Arctic Glacier USA Inc	909 N Columbia Blvd Ste C
4	Blue Beacon Limited	10244 N Vancouver Way
5	Independent Dispatch Inc	214 NE Middlefield Rd
6	Universal Applicators Inc	10111 NE 6th Dr
7	Rose Heating Co Inc	9945 NE 6th Dr
8	Mccoy Freightliner	9622 NE Vancouver Way
9	Green Street Details Inc	8900 NE Vancouver Way
10	Du Truck Service Inc	8900 N Vancouver Ave
11	Price Mart Inc	8700 N Vancouver Ave
12	Fleet Maintenance Inc	8305 NE MLK Jr Blvd
13	Penske Truck Leasing Co	1 NE Columbia Blvd
14	Carson American Equipment	89 NE Columbia Blvd
15	Genuine Parts Company	430 NE Columbia Blvd
16	Papé Kenworth of Portland	550 NE Columbia Blvd
17	Papf Machinery & Weld Shop	425 NE Columbia Blvd
18	Guttermans Supply Corp	1620 NE Argyle Dr
19	Columbia Edgewater Country Club	2220 NE Marine Dr
20	AlSCO American Linen	1755 NE Argyle St
21	Sapa Profiles Inc	7933 NE 21st Ave
22	Portland Foundry Inc	7715 NE 21st Ave Bldg C
23	Sapa Profiles Inc	2210 NE River Side Way
24	Paving Maint. Supply Div./Craftco	2224 NE Argyle St
25	FleetPride Inc	2026 NE Columbia Blvd Ste A
26	Mccoy Freightliner LLC	2323 NE Columbia Blvd
27	Amalgamated Sugar Co LLC	2600 NE Columbia Blvd
28	Riverside Golf & Country Club	2521 NE Elrod Dr
29	Latitudes	2425 NE Riverside Way
30	Poly-Flow LLC (PF PDX LLC)	2668 NE Riverside Way
31	Mary's Harvest Fresh Foods Inc	2705 NE Argyle St
32	American Inks & Coatings Co	2669 NE Riverside Way
33	LeSaint Chemical (out of business?)	2730 NE Riverside
34	Color FX	7561 NE 33rd Dr
35	Permacold Engineering Inc	3005 NE Argyle St
36	Tarr LLC	2946 NE Columbia Blvd
37	Broadmoor Golf Course	3509 NE Columbia Blvd
38	Ameriflight LLC	8580 NE 47th Ave

39	Blast All LLC	3900 NE Bryant St
40	Cessco Inc	4222 NE Columbia Blvd
41	Peterson Machinery Co	4421 NE Columbia Blvd
42	A B Finishing Tech	6724 NE 46th Ave
43	Apollo Chemical & Equipment Co LLC	6647 NE 47th Ave
44	Hertz Corp (Herc Rentals Inc)	4939 NE Columbia Blvd
45	Parr Lumber Company	6250 NE MLK Jr Blvd
46	Rose City Dialysis LLC	4905 NE MLK Jr Blvd
47	Kaiser Permanente	3715 N Interstate Ave
48	Kaiser Permanente	3600 N Interstate Ave
49	City of Portland	3150 N Mississippi Ave
50	Union Pacific Railroad Co	1619 N River St
51	Cloudburst Recycling Inc	2223 N Randolph Ave
52	General Automotive Supply Co Inc	2204 N Randolph Ave
53	City of Portland	2929 N Kerby
54	Uroboros Glass Inc (out of business)	2139 N Kerby Ave
55	Portland School District 1j	501 N Dixon St
56	United Welding Supply	2313 NE MLK Jr Blvd
57	Rip City Management LLC	1 N Center Court Dr Ste 200
58	Widmer Brothers Brewing Co	1 N Center Ct Dr
59	Land Rover Portland	720 NE Grand Ave
60	Bonneville Power Administration	905 NE 11th Ave
61	Sunshine Dairy	801 NE 21st
62	Hollywood Dialysis Center	2824 NE Wasco St
63	Breslin Timberline Tire Factory	3434 NE Sandy Blvd
64	Orchard Supply Company LLC	4030 NE Halsey St

The Northeast Coalition of Neighborhoods (NECN) is a nonprofit serving Portland's 12 inner North/Northeast neighborhoods. NECN helps increase neighborhood livability through inclusive civic engagement and grassroots community building. NECN works to impact social and environmental justice through issue advocacy, support for community projects, and leadership development. *Governing Magazine* identified Portland as having the highest amounts of gentrification in the country, noting high displacement in Northeast Portland, which has disproportionately impacted African Americans.

NECN is concerned about the air pollution coming from several factories, particularly the clusters around the I-5 corridor and Columbia Avenue. For example, Tarr LLC is a chemical distributor, located near the Concordia and Woodlawn Neighborhoods, which was identified by the latest EPA Toxics Release Inventory as one of the largest air polluters in Oregon. Tarr LLC currently emits over 4,218 pounds of toxic industrial solvents from their factory at 2946 NE

Columbia Blvd annually. Precision Equipment Inc., close to the Woodlawn Neighborhood, is a hard chrome electroplating factory. Although Precision uses a scrubber, which is a device that filters emissions, we would like them to switch from hexavalent chromium, a potent carcinogen, to trivalent chromium, a safer alternative for chrome plating. Some dry cleaners in our neighborhoods still use toxic and cancer-causing perchloroethylene instead of currently available safe alternatives. All dry cleaners included on the cover of this report use perchloroethylene; we estimate about one 55 gallon drum is released on site annually per dry cleaner. California's Air Resources Board banned the substance from use in new dry-cleaning machines in 2007.

Citizen involvement is needed to address Northeast Portland air pollution. The Environmental Protection Agency (EPA) National Air Toxics Assessment (NATA), released in December 2015 found that Portland ranked as the worst city nationwide for respiratory distress. For cancer risk, Multnomah County ranks in the worst 2% of US Counties. This is due in part to lax, unenforceable air pollution regulation. An example of this problem was Uroboros Art Glass Factory, located in Eliot Neighborhood

Oregon's Department of Environmental Quality (DEQ), the regulatory agency responsible for air safety, announced in early 2016 that neighborhoods surrounding Uroboros had a monthly average of 49 times the state's established air-safety benchmark level for cadmium, based on information gathered from the US Forest Service moss study. Cadmium exposure is linked to cancer, respiratory problems, and organ damage. A recent study by the Oregon Health Authority found that for the years 1999-2003, there was a small yet statistically significant increase in the rate of bladder cancer in one census tract near Uroboros. Researchers state that more studies are needed at this time. Bladder cancer can be linked to arsenic,

which is a chemical Uroboros used in their processes in the past.

Uroboros, like other similar facilities, had been operating in compliance with the law. Despite Oregon's established health benchmarks, there have been no regulatory requirements associated with such benchmarks. A failure of oversight, regulation, and transparency has led to inadequate testing, monitoring, and emissions controls like smokestack filters. Citizen outcry over heavy metals from Portland glass factories caused new rules requiring Uroboros to install a scrubber and clean their stacks. As of October 2016, Uroboros announced they are going out of business.

The most dangerous cancer causing air pollutant in North/Northeast Portland is diesel particulate. Boise, Eliot, and Humboldt neighborhoods border the I-5 corridor and Lloyd and Sullivan's Gulch border I-84 which are subject to diesel particulate from short haul trucks. Diesel particulate acts like the liquid mist in an inhaler by efficiently delivering harmful chemicals from the air into the lungs where it easily enters the bloodstream.

Multnomah County air ranked in the worst 1% of counties nationwide for concentrations of diesel particulate according to the last EPA NATA. This is due to Oregon's weak regulation of industrial diesel trucks. Filtered trucks emit less than one tenth of the diesel particulate but Oregon is not required to have filters on its trucks. Unfiltered diesel trucks are illegal in California.

NECN has obtained a spreadsheet of every diesel truck in Oregon from Oregon Department of Transportation and Oregon Department of Motor Vehicles, including model year and owner. Model year can help determine whether a diesel particulate filter was installed. Since 2008, federal rules require truck engines to be built with diesel particulate filters, but trucks built before 2009, when 2008 engines were implemented into new trucks, rarely have filters.

Diesel Particulate In NE Portland

10,000+ Trucks per day
from ODOT sensor data

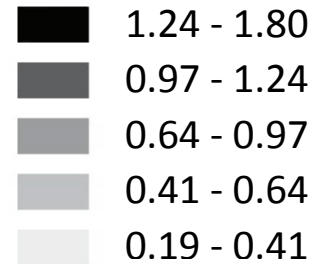
2,549 Trucks per day
from PBOT sensor data

2011 EPA diesel particulate dataset is online under Pollutant Specific Results. Scroll down for Diesel PM at: epa.gov/national-air-toxics-assessment/2011-nata-assessment-results

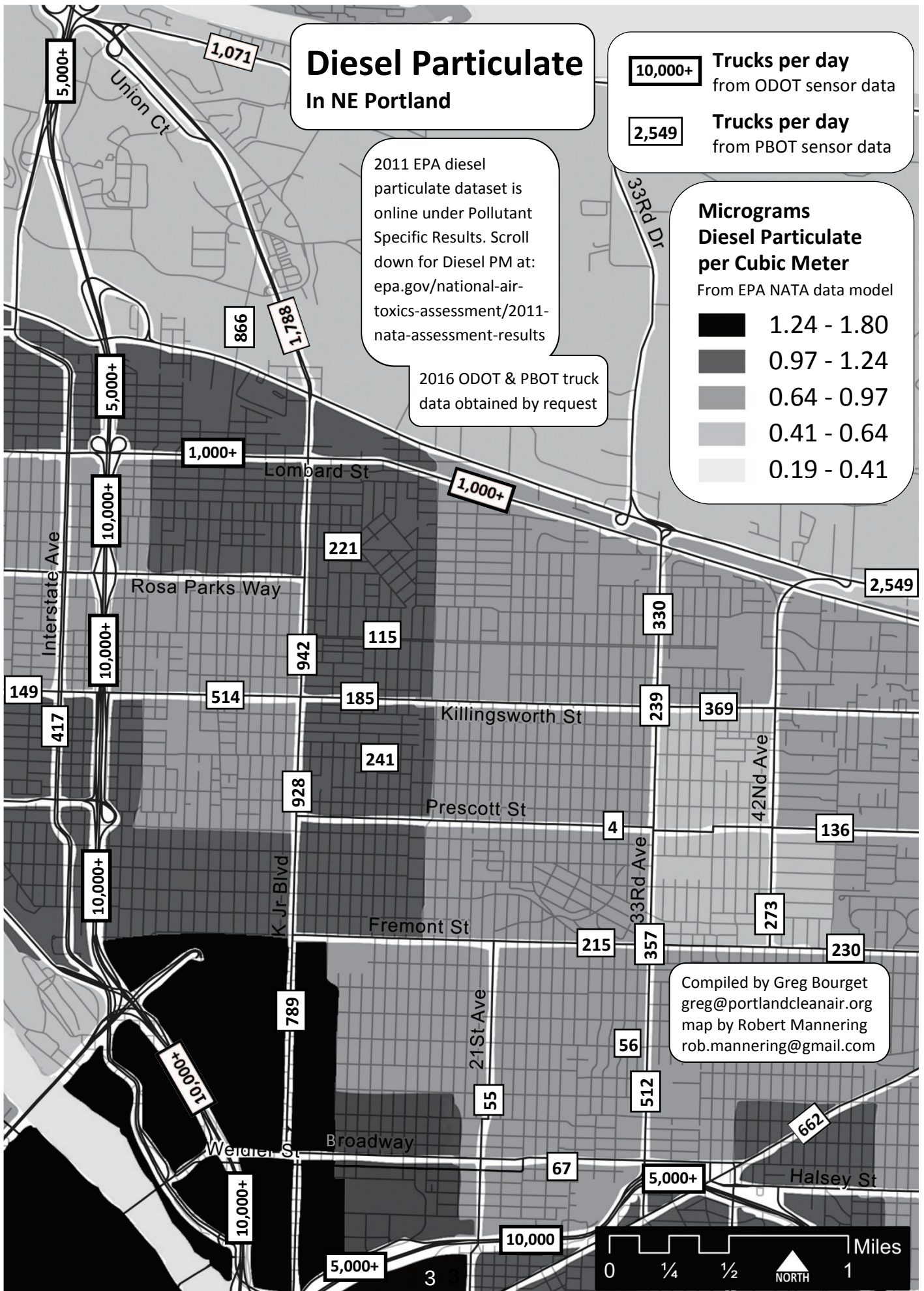
2016 ODOT & PBOT truck data obtained by request

Micrograms Diesel Particulate per Cubic Meter

From EPA NATA data model



Compiled by Greg Bourget
greg@portlandcleanair.org
map by Robert Mannering
rob.mannering@gmail.com



The World Health Organization classifies diesel exhaust as a carcinogen, causing lung and bladder cancer. The Environmental Protection Agency (EPA) reported that diesel exhaust can also cause eye, throat, and bronchial irritation, lightheadedness, nausea, as well as coughing and phlegm. In 2015 the *Oregonian* reported that other health effects of diesel exhaust include "heart attacks, pre-term and low-weight births, and asthma." A 2008 study by Irina Krivoshto et al in *Journal of the American Board of Family Medicine* found that **diesel exhaust is 100 times more toxic than gasoline engine exhaust.**

In 2015 DEQ reported that 80-95% of diesel exhaust is ultra-fine particulate "easily inhaled and left in the lower area of the lungs... capable of entering the bloodstream, allowing them to be circulated to all parts of the body."

Clean Air Task Force in Boston calculated EPA data and State of California risk assessments and found **diesel emissions in Portland cause more than five times as many cancers as all other inhaled carcinogens combined.**

Diesel powered vehicles are only 6% of vehicles on the road - yet **diesel powered vehicles emit 60-70% of all particulate emissions from all vehicles**, according to Oregon DEQ. The largest unfiltered diesel fleet by far in the Portland area is XPO Logistics. Home Depot and Amazon are both considering purchasing this entire fleet. Next worst is USF Reddaway, Penske, TriMet, Safeway, UPS, PGE, Wilson Construction, Ryder, and Waste management respectively.

Nearly all California diesel trucks had diesel particulate filters by 2015. **In the three county Portland area, 3/4 of all diesel trucks are currently unfiltered.** According to the EPA diesel particulate is most concentrated about one mile from the source — which is primarily short-haul, in-city truck routes.

Air pollution near highways is dangerous. A Dutch study of 1,191 children in Holland

attending 20 schools near freeways found traffic intensity near schools were significantly associated with chronic respiratory symptoms. Lung function testing of the children found that cough, wheeze, runny nose, and asthma were reported significantly more often for children living within 2.25 city blocks of a freeway, more so for girls than in boys.

Vehicle exhaust includes carbon monoxide which can cause headache, dizziness, and nausea. Vehicle exhaust also contains nitrogen dioxide (NO₂). According to the EPA, "breathing air with a high concentration of NO₂ can ... aggravate respiratory diseases, particularly asthma, leading to respiratory symptoms, such as coughing, wheezing or difficulty breathing, hospital admissions and visits to emergency rooms. Longer exposures to elevated concentrations of NO₂ may contribute to the development of asthma and potentially increase susceptibility to respiratory infections."

By their own admission, Oregon DEQ does not include human health to regulate air pollution from industry. Governor Brown has made significant steps to change this by removing corrupt officials who were recently leading the DEQ and Oregon Health Authority. Governor Brown's Cleaner Air Oregon (CAO) is currently advancing how stack emissions are reported and regulated. However CAO does not address industrial diesel trucks at all. In 2017 the Oregon legislature struck down proposed diesel truck legislation similar to California's law.

Inaction by the State of Oregon means **Portland residents must negotiate directly with nearby trucking companies** or the industries they contract with. NECN is working with Portland Clean Air to help you challenge unfiltered truck fleets whose routes are by your house. Citizen action works. It was citizen action that closed the Trojan Nuclear Power Plant, that won the \$1.4 B Big Pipe project to protect the Willamette. Citizen action saved Opal Creek.

What You Can Do

1. To **read about toxic chemicals on site** for each industry in your neighborhood, you can go online to view our full report at: necoalition.org/report

2. To **read the DEQ Permit information**, called Air Contaminant Discharge Permits, for neighborhood industries that concern you:

- a. Go to the map at portlandcleanair.org
- b. Zoom in on your neighborhood
- c. Click on the industry - sidebar will appear
- d. Click the link on the bottom of the sidebar

3. If you are concerned about your past exposure to Uroboros, you can also **speak with an attorney**. Contact Dan Matthew Preusch or Dan Mensher at Keller Rohrback Law Office. Phone: (800) 776-6044
Email: info@kellerrohrback.com

4. It took neighbors 42 years to identify that Bullseye Glass was putting 6,000 pounds of lead, cadmium, arsenic, and chromium into its unfiltered furnace annually - 85% went airborne next to a daycare in inner SE Portland. Now they have a scrubber removing 97% of these emissions because of intervention from their neighbors. In response, Portland Clean Air (PCA) obtained the Portland area air pollution records of nine government agencies. PCA needs **data compilation and analysis volunteers**. Previous science or data experience is welcome, but not required. Volunteers receive an Excel spreadsheet via email or website and, following explicit instructions, copy and paste, or type data that pertains for Inner NE.

For more information about polluting industries or unfiltered truck routes near you, or to volunteer, contact:
Greg@portlandcleanair.org

Volunteer with NECN

There are many opportunities to volunteer with Northeast Coalition of Neighborhoods (NECN).

Land Use and Transportation Committee (LUTC):

NECN's Land Use and Transportation Committee discusses and takes action on land use and transportation issues in North and Northeast Portland, the city and region, and the state. Current focus areas include the Portland comprehensive plan, residential infill, and inclusionary zoning.



Northeast Action Teams (NEATS)

NEATS are groups that respond to immediate issues in the community such as community justice, pollution, and pedestrian rights. Topics are driven by community interest.

Neighborhood Associations

NECN is home to 12 inner North/Northeast Portland neighborhoods. Every neighborhood has its own Neighborhood Association. Neighborhood Associations are volunteer-run organizations that consider and act on a broad range of issues affecting life in their neighborhoods. All are encouraged to participate in their neighborhood associations by attending meetings, bringing up issues and concerns for discussion, and planning projects.

Want to get on a list-serve or volunteer with NECN? Contact Jessica:
jessica@necoalition.org or 503-388-5030

Volunteer-supported activities:

- **Community Justice Conversation:**
Hosted conversation between community and advocates leading justice reform in Portland around how to create safe neighborhoods.
- **Summit on the State of Air Toxics:**
Engaged community on how to respond to cadmium hot spots discovered in the Boise and Eliot neighborhoods.
- **Portland Harbor Superfund:** Provided education around the Portland Harbor Superfund and responded to the Environmental Protection Agencies' proposed cleanup plan.
- **Community Cookout**
A community gathering to celebrate the neighborhood, as well as to discuss gang violence and the impact on children.

Northeast Coalition of Neighborhoods

Background and Mission

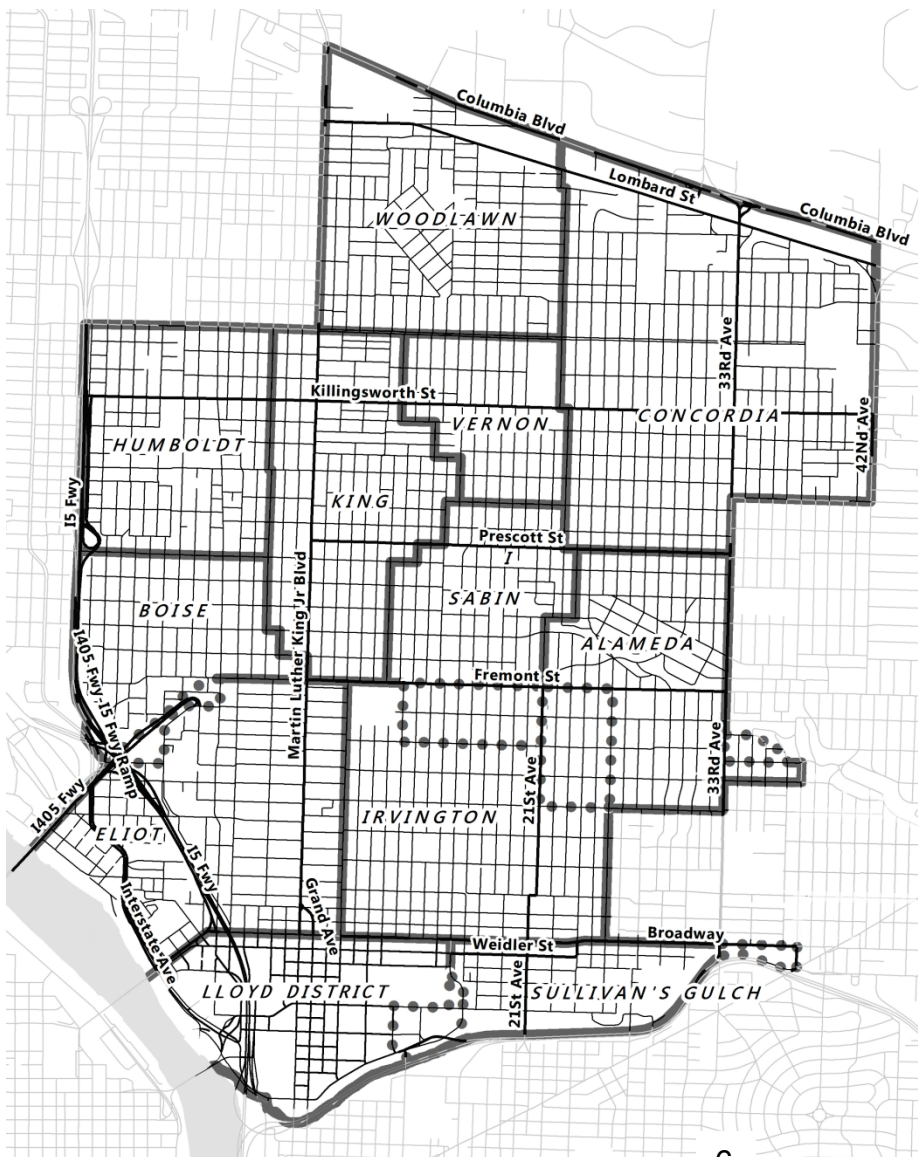
Northeast Coalition of Neighborhoods (NECN), founded in 1975, is an independent 501(C)(3) nonprofit organization. NECN is one of seven neighborhood coalitions in Portland, which are primarily funded by the City's Office of Neighborhood Involvement. NECN identifies and takes on local issues to increase neighborhood livability and promote neighborhoods participation. This is accomplished through inclusive civic engagement and grassroots community building.

Policy Formation and Skill Building

NECN convenes community committees, run by volunteers, to take up issues and advocate, as well as build knowledge through trainings, events, and workshops. These groups also serve as a conduit for information sharing between neighborhoods, Portland Bureaus, and nonprofit groups.

NECN's Service Area

NECN's service area includes neighborhoods in inner North/NE Portland: Alameda, Boise, Concordia, Eliot, Humboldt, Irvington, King, Lloyd District, Sabin, Sullivan's Gulch, Vernon, and Woodlawn. People who live or work in Northeast Portland can get involved directly with NECN and/or through their Neighborhood Association. Every neighborhood has its own Neighborhood Association, and each Neighborhood Association is a member of NECN.



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