

Seeping under doors, bad air from West's fires won't ease up

September 15 2020, by Sara Cline and Gillian Flaccus



Zoe Flanagan walks her dogs amid dense smoke from wildfires in Portland, Ore., on Monday, Sept. 14, 2020. Wildfires across the U.S. West have created hazardous air quality in Portland and other West Coast cities. (AP Photo/Gillian Flaccus)

Dangerously dirty air spewing from the West Coast wildfires is seeping

into homes and businesses, sneaking into cars through air conditioning vents and preventing people already shut away by the coronavirus pandemic from enjoying a walk or trip to the park.

People in Oregon, Washington state and California have been struggling for a week or longer under some of the climate change and more people living closer to areas that burn, smoke will likely shroud the sky more often in the future.

"I don't think that we should be outside, but at the same time, we've been cooped up in the house already for months, so it's kind of hard to dictate what's good and what's bad. I mean, we shouldn't be outside period," Portland resident Issa Ubidia-Luckett said Monday.

The hazy air closed businesses like Whole Foods and the iconic Powell's Books in Portland and suspended garbage pickup in some communities. Pollution and fire evacuations canceled online school and closed some college campuses in Oregon.

"It is so bad that you can likely smell (smoke) inside your house," said Sarah Present, the health officer for Clackamas, Multnomah and Washington counties. "In some areas, the air quality is so hazardous it is off the charts of the EPA's rating scale."

The Oregon Department of Environmental Quality's Air Quality Index is considered hazardous between 301 and 500. Values above 500—which multiple Oregon cities have reported during the past week—are beyond the index's scale.



A view of downtown Portland from the East Bank Esplanade is seen on Monday, Sept. 14, 2020. The entire Portland metropolitan region remains under a thick blanket of smog from wildfires that are burning around the state and residents are being advised to remain indoors due to hazardous air quality. (AP Photo/Gillian Flaccus)

The air quality agency extended an alert to Thursday, and the air was so thick that Alaska Airlines stopped flights to Portland and Spokane, Washington, until Tuesday afternoon.

Zoe Flanagan, who has lived in Portland for 12 years, braved the smog to walk her two dogs Monday. In desperation, she and her husband turned on the heater a day earlier because it has a better filter than their air conditioner.

She said the air made her feel hungover, despite not drinking. She could

not get enough water, and she had a headache. With health officials urging people to stay inside, the poor air also took away the simple pleasure of being outdoors during the coronavirus pandemic.

"Those backyard hangouts that we all got so used to as our one saving grace are now totally gone, and we just have to keep practicing letting go of what normal is," Flanagan said.



A worker cleans grass at Alamo Square Park as smoke from wildfires and fog obscures the skyline above the "Painted Ladies," a row of historical Victorian homes, in San Francisco, Monday, Sept. 14, 2020. (AP Photo/Jeff Chiu)

Smoke can irritate the eyes and lungs and worsen some medical

conditions. Health experts warned that young children, adults over 65, pregnant women and people with heart disease, asthma or other respiratory conditions were especially vulnerable.

"The lasting effects of breathing the small particulates in the wildfire smoke can be extremely dangerous," Present said. "It can lead to heart attacks, irregular heart rhythms and even death."

The region has had a significant increase in visits to emergency rooms due to air quality, officials said Tuesday.

Smoke from dozens of wildfires is pooling in California's Central Valley, an agricultural region that has some of the state's worst air quality even when there are no flames. Some parts of central California are not likely to see relief until October, said Dan Borsum, the incident meteorologist for a fire in Northern California.



A sign at a Whole Foods in Lake Oswego, Ore., advises that the store is closed due to poor air quality Monday, Sept. 14, 2020. Another sign said all Whole Foods stores in the Portland Metro area will be closed at least through Thursday due to air quality. People across the West struggled under acrid-yellowish green smog from raging wildfires that seeped into homes and businesses, sneaked into cars through air conditioning vents and caused the temporary closure of iconic locations such as Powell's Books and the Oregon Zoo. And forecasters say the putrid air, measured as the worst on the planet, could last well into the week. (AP Photo/Gillian Flaccus)

"It's going to take a substantially strong weather pattern to move all the smoke," Borsum said at a briefing Sunday.

Joe Smith, advocacy director for Sacramento Loaves & Fishes, which

helps homeless people, said California's capital city has not seen consistent blue skies in weeks. People without homes have been grappling with an onslaught of disasters this year.

"Some of the toughest folks you'll ever meet are people who live outdoors, unhoused, but it is getting to them," Smith said. "We've got COVID-19, followed by excessive heat wave, followed by smoke. What's going to start falling out of the air next on these poor folks?"

Twana James, who lives in a tent in Sacramento, coughed several times, trying to clear her throat, saying her voice is not usually so hoarse.

"Everything is covered in ashes," she said by phone Monday. "It's hard to breathe."



A fire warning sign is seen through the smoke in Sandy, Ore., on Monday, Sept. 14, 2020. Gov. Kate Brown said Monday she has asked President Donald Trump to issue a major disaster declaration for Oregon as it battles deadly wildfires that have wrought destruction across the state. (AP Photo/Rachel La Corte)

Places like the Oregon Convention Center in downtown Portland are being used as shelters for people who need a dose of healthy air. Typically during wildfires, people can escape to other areas of the state to breathe easy, said Dylan Darling, a spokesman for the Oregon Department of Environmental Quality.

"That's what's standing out—there just isn't a place in Oregon right now to find fresh air," Darling said. The level of pollution lingering for so long and so widely "really stands out in the state's history," he said.

Oregon needs a "perfect balance" of winds to disperse smoke but not exacerbate the fires, said Tyler Kranz, a meteorologist at the National Weather Service's Portland office.

"We need the winds to get the smoke out of here," Kranz said. "We just don't want them to be too strong, because then they could fan those flames, and all of a sudden, those fires are spreading again."



Smoke from wildfires and fog obscure the view of the ocean from Grand View Park in San Francisco, Monday, Sept. 14, 2020. (AP Photo/Jeff Chiu)



A family of ducks swims on Oswego Lake, which is almost completely obscured by wildfire smoke, in Lake Oswego, Ore. on Monday, Sept. 14, 2020. The entire Portland metropolitan region remains under a thick blanket of smog from wildfires that are burning around the state and residents are being advised to remain indoors due to hazardous air quality. (AP Photo/Gillian Flaccus)



A man looks toward smoke from wildfires and fog obscuring the view from Grand View Park in San Francisco, Monday, Sept. 14, 2020. (AP Photo/Jeff Chiu)



A sign on a pump at a gas station on Interstate 5 in Marion County, Oregon, announces that it is closed on Friday, Sept. 11, 2020. People across the West struggled under acrid-yellowish green smog from raging wildfires that seeped into homes and businesses, sneaked into cars through air conditioning vents and caused the temporary closure of iconic locations such as Powell's Books and the Oregon Zoo. And forecasters say the putrid air, measured as the worst on the planet, could last well into the week. (AP Photo/Gillian Flaccus)

Ubidia-Luckett was eating outside Monday at a popular burger place east of Portland with her 6-year-old son, but they moved inside because of the bad air, which had postponed the boy's first day of kindergarten for the second time.

"That's the hard part for little kids. They're so cooped up so what do you do?" she asked. "Eventually, they want to go outside."

© 2020 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: Seeping under doors, bad air from West's fires won't ease up (2020, September 15) retrieved 27 April 2024 from <https://phys.org/news/2020-09-air-western-wont-ease.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.