

Oregon Wildfire Response Protocol for Severe Smoke Episodes

June 18, 2026

The following agencies collaborated on this guidance document:

Oregon Department of Environmental Quality
Lane Regional Air Protection Authority
Oregon Department of Human Services
Oregon Health Authority
Oregon Occupational Safety and Health Administration
Oregon Emergency Management
Oregon Department of Forestry
U.S. Forest Service Pacific Northwest Region
U.S. Bureau of Land Management Oregon State Office



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Based on an agreement between the participating agencies, the original version of this multi-agency document is maintained by DEQ.

All parties may collaborate on updates.

Revision	Date	Revision Summary
Version 1.0	May 28, 2013	Protocol developed
Version 1.1	Aug. 27, 2013	Agencies added, contact list updated
Version 2.0	June 3, 2014	Revised Table 4 recommended health actions, changed Visibility Index to the 5-3-1 Visibility Index, added Wildfire Communications Plan section, added Indoor Air Monitoring section, added 211info Service information, updated contact list, added out-of-state contact list
Version 3.0 to Version 5.2	June 16, 2015 – June 29, 2017	Updated contact list, added conference call info, checked and updated all website links, updated appendices and added Appendix C and D, various corrections
Version 5.3	June 28, 2018	Updated links, contacts, and information involving DEQ's upgraded AQI, use of EPA AirNow system to guide public
Version 6	June 7, 2019	Updated links, photographs, revised the call agenda, minor edits and corrections
Version 7	June 10, 2020	Formatting updates, revisions to contacts lists, COVID-19 response and impacts, and other minor edits and corrections
Version 8	June 17, 2021	Updated Appendix E –COVID-19 and Wildfire Smoke, updates to Table 4 respirator information and other minor edits and corrections
Version 9	June 3, 2022	Revised call agenda, air quality advisory template, Appendix E respirator and mask guidance, contact information, formatting updates.
Version 10	June 30, 2023	Revised call agenda. Updated contact information. Added Appendix G for Oregon ARA welcome letter. Updated process for smoke notices that do not meet advisory thresholds. Updated Covid language.
Version 11	July 1, 2024	Updating NWS information sharing procedures, Update contacts as appropriate. Added appendix with draft social media posts
Version 12	June 18, 2025	Added Call Host rotation list to Appendix D. Moved list of links and resources in section 11 to Appendix F and removed archived links. Updated Section 8.
Version 13	May 2026	Updates to contact lists, templates, and staffing schedules. Added the Spanish air quality advisory template to Appendix B. Updated Appendix H.

Alternative formats

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deqinfo@deq.oregon.gov.

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1. Purpose

This protocol is intended to provide guidance for the local, state, tribal, and federal agencies in Oregon who respond to severe smoke episodes caused by large or long-duration wildfires and to ensure a coordinated response to mitigate impacts on public health. This protocol also identifies other organizations and partners with whom these agencies must coordinate during severe smoke episodes. For all parties, this protocol highlights general duties and responsibilities, provides examples of agency actions and assistance needed, lists desired outcomes, and recommends public health actions based on the level and duration of smoke exposure. This protocol is intended to guide the use of resources in response to air quality due to major wildfires. It does not replace, interfere with, or limit any action taken by a public agency while performing its official duties.

2. Participating Agencies and Organizations

Table 1 identifies the participants that utilize this protocol. Participating agencies, organizations and offices include but are not limited to:

Table 1: Participating Agencies

AGENCY OR ORGANIZATION	
Federal	
1. Federal Land Managers: Includes U.S. Forest Service (USFS) and U.S. Bureau of Land Management (BLM)	USFS Region 6 office in Portland or Area BLM, Oregon State Office in Portland
2. Federal Emergency Management Agency (FEMA)	Region 10 office Bothell, WA
3. Environmental Protection Agency (EPA)	Region 10 office in Seattle
4. National Weather Service (NWS)	Boise, Medford, Portland, and Pendleton offices
Tribal	
5. Tribal Government	Any tribal lands affected by wildfire smoke See Appendix A for contact information
National	
6. Air Resource Advisor (ARA)	Interagency Wildland Fire Air Quality Response Program
7. American Red Cross	Five regional offices in Oregon
State	
8. Oregon Department of Environmental Quality (DEQ)	DEQ Headquarters in Portland and regional offices
9. Oregon Health Authority (OHA)	Public Health Division in Portland
10. Oregon Emergency Management (OEM)	Offices in Salem
11. Oregon Occupational Safety and Health Administration (Oregon)	Oregon OSHA Headquarters in Salem, field offices around the state
12. Oregon Department of Forestry (ODF)	ODF Headquarters in Salem, field offices around the state
13. Oregon State Fire Marshal (OSFM)	Offices in Salem
14. Oregon Department of Transportation	Located in Salem and around the state
15. Oregon Governor's Office	Located in Salem
16. Governor's Office Regional Solutions	Located in different regions of the state
17. 211info	Located in counties

18. Oregon Department of Human Services	Located in Salem and around the state
Local	
18. Local Public Health Authorities	See Appendix A for locations and contact
19. Lane Regional Air Protection Agency	Located in Springfield, Lane County
20. School Districts	In counties affected by wildfire smoke

3. Agency Areas of Expertise and Involvement

Table 2 identifies the general areas of expertise of each agency or organization as an indication of the assistance that would be provided, and the level of involvement anticipated. The level of involvement is relative to the severity of the wildfire smoke and the effect on air quality. Some agencies would be expected to play a leading role, requiring more frequent daily communication and coordination, while other agencies would be involved as needed.

Table 2: Agency Areas of Expertise and Involvement

Contact Agency	General Area of Expertise/Assistance	Anticipated Level of Involvement
Federal		
1. Federal Land Managers (U.S. Forest Service and BLM)	Wildfire management on federal lands.	Extensive – depends on size of fire, often the lead agency.
2. FEMA	Federal response agency for natural disasters.	Low – unless smoke levels and fire danger pose an extreme threat
3. EPA Region 10	Coordination with tribes, related to air quality on tribal lands/reservations.	Low – unless smoke levels are affecting tribal lands and reservations.
4. NWS	Coordinates with federal, state and tribal governments in the Pacific Northwest Area (Oregon, Washington and Idaho) as it relates to weather.	Extensive – provides weather briefing during smoke coordination call and disseminates air quality alerts on public websites, social media and other NWS communication systems.
5. USFS - Air Resource Advisor (ARA) – reports to Incident Command and/or Agency Administrator	Technical specialist who works with Incident Command Team during major wildfires and has expertise in air quality forecasting, monitoring, assist with public health messaging, transportation safety, and firefighter safety.	Extensive – these positions provide assistance during incidents and facilitate state response to air quality smoke impacts from major wildfires See Appendix G for an Oregon ARA welcome packet.
National		
6. American Red Cross	Provides aid and assistance for natural disasters, mass care support for sheltering, feeding and distributing relief supplies.	Depends on severity of smoke impact and risk to public health.

7. 211info	Provides a statewide “go-to public phone number” for health information about wildfire smoke impacts and available resources for the public.	Depends on severity of smoke impact and risk to public health.
Tribal		
8. Tribal Government	Coordinates with other agencies and national partners to determine health risk from smoke, need to cancel outdoor events, tribal safety issues, and notify local businesses. Shares information with community about health effects, mitigation, strategies, and notify public and media of health risks from smoke.	High – if wildfire impact is severe and smoke is affecting tribal lands/ reservations.
State		
9. DEQ (For wildfire smoke affecting Lane County, contact LRAPA . See #19 above and Appendix A #13)	Monitors outdoor air quality in the state*, determining if health standards are being exceeded, identifying areas at greatest risk, public/media outreach and coordination with Federal Land Managers, OHA, ODF, county health departments, others as needed. (*except Lane County see LRAPA).	Extensive – during periods of elevated smoke levels hosts smoke coordination calls, provides air quality forecasting, and leads advisory development.
10. OHA	Advises state, federal, tribal, and local authorities on health risk from smoke and potential public health interventions to mitigate it. Assists DEQ, Oregon OSHA, and local and tribal health departments in communication and outreach. Assesses health impacts as indicated by the situation.	Extensive - depends on severity and extent to which local and tribal health officials need assistance, or whether a local or tribal health authority has primary jurisdiction in the affected areas and provides hosting support. Assists with scheduling and hosting smoke coordination calls. The Tribal Liaison and Regional Emergency Coordinators support to Local Public Health upon request, helping them assess needs and resources and identify mechanisms to fill public health gaps.

ODHS	Mass care Mass care (food, water, shelter, hygiene), coordination with Red Cross on mass care needs, community cleaner air spaces (shelter piece, not indoor AQ).	Varies - Depends on severity and duration of smoke event and level of activity related to any displacements caused by wildfire evacuations. Helps build local capacity for cleaner air spaces in community/public spaces and other types of mass care shelters. Can activate all-hazards contract with 211INFO. Encourages local partners inform 211 of available cleaner air spaces via grant mechanisms. May be able to deploy air scrubbers to affected communities.
11. OEM	Coordinates and facilitates emergency planning, with state emergency support function, and local emergency services agencies and organizations.	Low – unless smoke levels and fire danger pose an extreme threat or there is a specific request by local emergency management agencies for state assets. High – if Governor declares state of emergency.
12. Oregon OSHA	Address health and safety of workers and state/private firefighters through consultation and/or enforcement of Oregon OSHA's permanent rules for protection from wildfire smoke. Can assist in evaluating air quality concerns in employment settings.	Depends on severity and specific requests for worker protection.
13. ODF	Provide current fire operations and activity information from Pacific Northwest Incident Command Group meetings to DEQ. Provides incident information for fires on ODF protected land.	Variable – depends on fire location.
14. State Fire Marshal	Lead agency for response to structural protection for Conflagrations in Wildland Urban Interface (WUI) Fires. Coordinates the same as ODF to provide the Incident Management Team (IMT) updates as needed to required agencies.	Low – primary response to fire danger and suppression, less on smoke risk.
15. ODOT	Provides safety information for roads and possible closures, travel hazards. Provides traffic management where needed.	Moderate – provides safety updates on calls and provides similar information for the smoke blog.

16. Oregon Governor's Office	Coordinate with multiple agencies, especially if Governor declares a state of emergency.	Low – updated on as-needed basis, unless state of emergency is declared.
17. Governor's Office, Regional Solution Centers	Coordinate with multiple agencies, especially if Governor declares a state of emergency.	Low – updated on as-needed basis, unless state of emergency is declared.
18. Oregon Department of Land Conservation and Development (DLCD)	Help to coordinate on Natural Hazards Mitigation with Tribes and local agencies or counties.	Low – primary response is to help Tribes and agencies prepare plans and coordinate activities in anticipation of emergencies.
Local		
19. Local Public Health Authorities (LPHAs)	Notify public and media of health risk from smoke. Coordinate with DEQ, OHA, Federal Land Managers and Oregon OSHA to determine health risk to community.	Extensive – during periods of unhealthy to hazardous smoke levels. Can provide current information on local smoke impacts.
20. School Districts	With assistance, determine if student health is at risk, the need to modify or cancel school activities/events or announce school closures.	Low – as-needed basis during periods of unhealthy to hazardous smoke levels.
21. City and Local Government	With assistance help coordinate public safety, need to modify or cancel outdoor events, notify local businesses, alert fire and police to the health risks.	Low – as-needed basis during periods of unhealthy to hazardous smoke levels.
22. ODHS Community cleaner air space and resilience hubs and networks grantees	Information about their own cleaner air space's location, hours of operations, contact, etc.	Varies - Involvement will depend on organizational capacity, duration and severity of smoke event. Minimally responsible for ensuring 211 has space information.

4. Agency Actions and Desired Outcomes

Table 3 describes the different actions needed during major wildfires, the agency or organization expected to take such action and the desired outcome.

Table 3: Agency Actions and Desired Outcomes

Action Needed	Lead Agency and Action Taken	Desired Outcome
1. Air Monitoring		
Measuring ambient air quality.	Mostly DEQ as lead agency, but ARAs may provide additional monitoring equipment via national cache resources and assist in deployment and data collection. These monitors are shown on the EPA Fire & Smoke Map.	Ability to track ambient air quality levels in populated areas as well as in communities receiving the heaviest smoke impact and identify smoke-free areas where air quality is good.

Indoor air quality exposure.	Oregon OSHA is lead agency to evaluate air quality concerns for workers. DEQ and OHA can provide advice regarding outdoor activities and non-occupational	Ability to monitor indoor smoke levels in work environments and schools.
2. Smoke and		
Weather Forecast.	NWS (meteorologists) is the lead agency. DEQ assists in coordination. NWS can also be contacted to provide “spot weather forecasts” for wildfire.	Complementary to smoke forecasting.
Smoke Forecasting.	DEQ provides smoke forecasting and compares estimates to advisory threshold. ARAs provide daily smoke outlooks for the areas adjacent to their assigned fires.	Provide advance notice of possible smoke movement and impacts, improve public notification, reduce risk of public exposure to high smoke levels.
3. Issuing Health		
Provide public with frequent smoke updates, potential health risk, and recommended public health actions via the web and other media.	Coordination between the Incident Management Team, DEQ, ARA, OHA, Tribes, LPHA , local government, and 211info. Assistance from federal land managers on fire status and from wildfire forecasting.	Frequent, coordinated updates provided to the public via Oregon Smoke Blog, DEQ, OHA, local government websites, press releases and media outreach. 211info is provided current health-related information.
Provide air quality advisories to specific areas and on multiple agency media platforms.	Coordination between NWS offices, DEQ, LRAPA, SWCAA , Dept. of Ecology, and other local air programs and local public health authorities.	Discuss current AQ conditions, forecasted smoke transport, location of likely impacts and duration to coordinate advisory messaging on NWS platforms and AQ Agency information outlets.
4. Website		
Updating the Oregon Smoke Blog and DEQ social media (see description under section 6).	Blog updated by DEQ Public Affairs staff on behalf of protocol participants, and local and tribal partners.	Provide the public with comprehensive “one-stop” website/social media on wildfire status, air quality levels, health risk, cleaner air spaces, press releases and other critical info.
Updating DEQ, OHA, ODF and local websites and media platforms.	Managed by respective agency and supplements the Oregon Smoke Blog.	Complements the above website.
5. Public Actions		

Cancel or modify public events, outdoor and business activities.	Decision made within affected jurisdiction, by local or city government in consultation with local and tribal public health authorities, or by local and tribal public health authorities , and as needed, in consultation with DEQ, ARA, OHA, federal land managers, and possibly Oregon OSHA.	Prompt action taken, via notification of media, 211info, and posting info on Oregon Smoke Blog and other websites and notification of community partners through local outreach.
Consult with schools on limited hours or closure. Decisions about protecting schools or other public buildings from smoke	Decision made within affected jurisdiction, by local or tribal public health authorities, or city government in consultation with local or tribal health, OHA, ARA, DEQ, or Oregon OSHA as needed.	Identification of measures to protect schools and users of public buildings from smoke.
Set up general population shelters.	ODHS and Red Cross may support local officials in the setup and management of general population shelters based on decisions by local health officials.	When determined necessary, general population shelters will be established and opened in coordination with local public health authority and emergency management.
Establish or identify public cleaner air spaces.	Decisions made within affected jurisdiction, by local or tribal public health authorities with support from ODHS and in consultation with DEQ, ARA, OHA, or Oregon OSHA as needed.	When necessary, prompt action taken to set up or identify cleaner air spaces, using guidance for “Identification of Cleaner Air Spaces for Protection from Wildfire Smoke” https://www.oregon.gov/oha/PH/Preparedness/PreparedDocuments/IdentificationOfCleanAirShelters.pdf . Some communities may have a Community Response Plan for prescribed fires in addition to wildfire response plans. These plans may contain guidance on setting up cleaner air spaces.
Recommended evacuation/relocation of sensitive populations or populations in general.	Decision made at local level, by health officials and tribal/local government (Sheriff or local emergency management) , in consultation with OEM, DEQ, ARA, OHA, ODHS, federal land managers and possibly Oregon OSHA.	Prompt action taken if dangerous smoke levels are expected to persist for a prolonged period. Requires close communication with DEQ, OHA, ODHS, federal land managers, OEM, Oregon OSHA, 211info, and possibly Red Cross, State Fire Marshal and State Police.

5. Recommended Public Health Actions, Based on Level and Anticipated Duration of Smoke Exposure

Wildfire smoke is a mixture of gases and fine particles that can irritate the eyes, nose, throat and lungs, worsen chronic heart and respiratory diseases, and precipitate other poor health outcomes. The amount and duration of smoke exposure, as well as a person's age and baseline health status, play a role in determining if someone will experience smoke-related health effects. People with pre-existing health conditions (e.g., asthma, COPD, cardiovascular disease, etc.), those older than 65 or less than 18 years of age, pregnant women, and smokers are particularly sensitive to smoke. Increased exposure risk due to living and working conditions may impact people who live or work outdoors including migrant and seasonal farm workers; people experiencing houselessness; people with access and functional needs; and those with low income who are more likely to live in housing that does not provide adequate protection from smoke. Communities of color and those with lower income tend to experience these vulnerabilities more often due to inequities in social determinants of health. Sensitivity and sub-populations' potential exposures should be considered in providing alerts and conducting outreach.

Particulate matter is a mixture of small, airborne, solid particles and liquid droplets found in the air. These particles may be visible (e.g., dust, dirt, soot, smoke), while others are too small to see with your eyes. Particulate matter in smoke poses a serious risk to public health. The potential health effects vary depending on the size of the particles and composition of the smoke. Particles larger than 10 micrometers usually irritate the eyes, nose, and throat. Particles 10 micrometers and smaller (PM₁₀) are inhalable and the larger particles in this group can be deposited in the upper airways of the lungs and cause tissue damage and lung inflammation. Particles 2.5 micrometers and smaller (PM_{2.5}), the smallest fraction within PM₁₀, can be inhaled deeply into the lungs and some of these particles or their components can enter the bloodstream, increasing the risk of cardiovascular and respiratory problems. When smoke levels are high, even healthy people may experience symptoms.

Research on mental health and wildfire PM_{2.5} remains limited. Yet, some studies are beginning to show linkages between all-cause mental health conditions and increased levels of PM_{2.5}. Studies suggest that PM_{2.5}'s ability to reach the brain, cause inflammation, vascular damage and other physiological processes may be at play. Females may be at higher risk of mental health effects due to PM_{2.5}'s role in endocrine disruption. Children, youth and people of color also appear to be at higher risk. Some studies suggest a lag between ED visits and air quality. Multiple studies suggest increases in visits for every 10- $\mu\text{g}/\text{m}^3$ increase in PM 2.5 concentration.

Table 4 is designed for use by affected jurisdictions in consultation with the Oregon Department of Environmental Quality, Oregon Health Authority and other parties to this protocol. The table identifies recommended public health actions based on the concentration and expected duration of smoke exposure. The Air Quality Index levels in **Table 4** are based on the U.S. Environmental Protection Agency's NowCast method and integrated into the AirNow network. They account for the level of key air pollutants over the prior 12 hours, as well as the most recent rapid increases or decreases in air pollution. Decisions about which public health actions to recommend are based on monitoring data and the projected smoke duration. The duration of smoke exposure noted in the table uses a cut-off of twenty-four hours as the basis for two sets of recommended health actions.

Recommendations in **Table 4** are for cumulative smoke exposure time within a severe smoke episode. The recommended actions for each increasing level and duration of exposure should be followed in addition to the lower Air Quality Index (AQI) level recommendations unless the listed actions supersede previous ones. There is no safe level of PM_{2.5}. Partners may wish to adapt the guidance to fit their community. OHA encourages partners who choose to adapt the guidance to work toward a more precautionary approach rather than a less protective approach when feasible. Further, communities which experience more chronic exposures due to the cyclical pattern of prescribed burns, woodfire stove use and wildfire seasons, may choose to take a more protective approach to account for these additional exposures.

In the absence of any PM_{2.5} monitoring data, a visual evaluation can be made by using the visibility index (based on the viewing distance) in the column next to the Air Quality Index category. This index is

referred to as the “[5-3-1 Visibility Index](#)” for estimating smoke levels and is described after **Table 4**. The Air Quality Index category and 5-3-1 Visibility Index are intended to be used together to identify the public health risk and mitigation actions.

Table 4: AQI and Recommended Public Health Actions

Air Quality Index Category	5-3-1 Visibility ¹ Index	Projected Smoke Exposure Under 24 Hours	Projected Smoke Exposure Over 24 Hours
Good/Green (0-50)	> 5 Miles with no noticeable haze in the air	If a smoke event is forecasted in your area, we suggest reviewing the resources in this ros: • This Protocol, • The Crisis and Emergency Risk Communication Toolkit for Wildfires²,	• Frequently Asked Questions about Wildfire Smoke and Public Health tips on the Oregon Public Health Division wildfire webpage.³ • The Oregon Smoke Blog for the latest air quality and other wildfire information: http://oregonsmoke.org
Moderate/Yellow (51-100)	5-15 Miles with noticeable haze in the air	• Distribute information (i.e., FAQs²) to public health partners and the public. • Identify and provide information to smoke sensitive groups and populations with a high risk of exposure. • Refer people to Oregon Smoke Blog for more information. • Recommend sensitive groups use an air cleaner at home during wildfires². • If school is in session or an outdoor function with children is planned, refer to Air Quality and Outdoor Activity Guidance for Infants, Children and Youth².	<i>Follow recommended actions to the left and in the rows above, plus:</i> • Respond to media inquiries. Use the Crisis and Emergency Risk Communication toolkit² for support.
Unhealthy for Sensitive Groups/ Orange (101-150)	3-5 Miles	<i>Above, plus:</i> • LPHA issues a press release stating recommended protective actions for sensitive groups and populations at high risk of exposure and encouraging them to reduce exposure. Use the Crisis and Emergency Risk Communication toolkit and FAQs² document for guidance and see Appendix B for a template. • If school is in session or an outdoor function with children is planned, refer to Air Quality and Outdoor Activity Guidance for Infants, Children and Youth². • Consider rescheduling, moving, or cancelling outdoor events with children and youth if intensity and duration of the activity can't be adjusted.	<i>Follow actions to the left & above, plus:</i> • In the release, include consideration of sensitive groups leaving area until air quality improves or if that is not feasible, using an air cleaner at home⁴ or spending time in a cleaner air space in the community (e.g., air-conditioned library). • Consider opening cleaner air spaces for sensitive groups and populations at high risk of exposure. • OHA or DEQ may convene a wildfire smoke advisory call and DEQ may issue an air quality advisory.⁵

Air Quality Index Category	5-3-1 Visibility Index ¹	Projected Smoke Exposure Under 24 Hours	Projected Smoke Exposure Over 24 Hours
Unhealthy/Red (151-200)	1-3 Miles	<i>Above, plus:</i> - Consider rescheduling, moving, or cancelling public events held outdoors. - Recommend the public limit strenuous outdoor activities. - Recommend that smoke sensitive groups shelter in place using an air cleaner⁴ or consider leaving area until air quality improves. If they can't, recommend spending time in a cleaner air space in the community (i.e., air-conditioned library)² or sheltering in place at home. - Recommend groups at higher risk of exposure to smoke limit outdoor labor, use of adequate PPE and seek cleaner air sheltering. - Cancel outdoor events for children and youth or move to an area with safer air quality.	<i>Follow recommended actions to the left and above, plus:</i> - Consider opening and publicizing cleaner air spaces. While there is community spread of respiratory illnesses (e.g. Influenza, RSV, COVID-19), accommodate appropriate mitigation. (e.g. physical distancing in such spaces). - Review health benefits for sensitive groups of leaving area until air quality improves or using an air cleaner, and that intermittent time in cleaner air spaces or sheltering in-place without an air cleaner might not be as protective. - Provide information on the benefits and limitations of respirators; ensure information on proper use is available (e.g. EPA palm card and Oregon OSHA video)² for those choosing to wear one.
Very Unhealthy/Purple (201-300)	1 Mile	<i>Above, plus:</i> - Reschedule, move, or cancel outdoor events. - If school is in session, measure indoor air quality, if possible, discuss whether closure is appropriate with school administrators. - Recommend shelter-in-place for general population. - Share information about periods of improved air quality to guide essential outdoor activity and ventilation of dwellings (refer to FAQs² for more information).	<i>Follow recommended actions to the left and above, plus:</i> - Open and publicize cleaner air spaces for the public. While there is community spread of respiratory illness, accommodate appropriate mitigation in such spaces. Consider strategies for adequate air changes inside including the use of portable or integrated air cleaners. - Share information about periods of improved air quality to guide essential outdoor activity and ventilation of dwellings (refer to FAQs² for more information).
Hazardous/Maroon (301+)	<1 Mile	<i>Above, plus:</i> Recommend voluntary evacuation for sensitive and vulnerable groups Provide information on the benefits and limitations of respirators; ensure information on proper use is available (e.g. EPA palm card and OR OSHA video²) for those choosing to wear one.	<i>Follow recommended actions to the left and above, plus:</i> Open and publicize cleaner air spaces for the public While there is community spread of respiratory illness, accommodate appropriate mitigation in such spaces. Consider strategies for adequate air changes inside including the use of portable or integrated air cleaners.

¹For use of the **5-3-1 Visibility Index**, see below. The visibility test is not appropriate or effective in areas with high humidity, such as in Western Oregon near or on the coast, where water vapor (fog) may limit visibility.

² Crisis and Emergency Risk Communication Toolkit for Wildfires: www.healthoregon.org/cerc

The kit includes many tools including:

- FAQs available in multiple languages
- Air Quality and Outdoor Activity Guidance for Infants, Children and Youth

- Guidance for clinicians “Clean Air at Home” a fact sheet about using air filters at home. Guidance for the Identification of Cleaner Air Shelters/Spaces for Protection from Wildfire Smoke.
- EPA Palm Card
- Link to OR OSHA [video on how to wear respirators](https://www.youtube.com/watch?v=ucmx_hj1SW8) www.youtube.com/watch?v=ucmx_hj1SW8

Most tools are available in ten or more languages.

³ Public Health Division wildfires webpage: www.healthoregon.org/wildfires.

⁴ Detailed guides to air cleaners (EPA):

- Full guide: https://www.epa.gov/sites/production/files/2018-07/documents/guide_to_air_cleaners_in_the_home_2nd_edition.pdf
- Full Guide in Spanish: [Guía de purificadores de aire en el hogar, 2ª edición, agosto de 2018](#)
- Two-page handout: https://www.airnow.gov/sites/default/files/2020-10/indoor-air-filtration-factsheet_1.pdf

⁵ DEQ and programs are no longer resourced to host calls or issue new advisories on weekends or holidays. Efforts are made to forecast smoke and determine advisory needs in advance. However, local agencies may need to deliver messaging to their community when smoke concentrations exceed forecasted conditions over weekends or holidays, especially with large, fast growing, or new fires.

Considerations that may influence implementation of the above mitigating actions:

- Clear/predictable fluctuations in air quality throughout the day can allow for modifications in the recommendations from the above table. For example, schools could delay recess instead of canceling it if there is a pattern of clearing in the afternoon. Also, if cleaner air spaces are provided, they should be open and available at the times of day that smoke is heaviest, including at night when possible.
- If smoke is predicted to be heavy for short durations (i.e., a few hours) the public health messaging should encourage people to avoid spending time outdoors during those times.
- Indoor air quality may be poor in older dwellings. These may include schools, community centers, nursing homes, or group homes. When air quality is “unhealthy” for an extended duration, it may be worthwhile to assess indoor air quality for these and other types of facilities where people who are sensitive to smoke live or stay. Oregon OSHA can assist employers in assessing indoor air quality where employees are present. Consider strategies for adequate air changes inside including the use of portable or integrated air cleaners. Consider HVAC or other systems to control indoor air temperature during smoke events that coincide with high temperatures.
- The ability of the jurisdiction to implement smoke guidance and respiratory guidance simultaneously. See CDC's COVID-19 Ventilation in Buildings webpage and OHA's COVID-19 webpage for more detailed information and guidance <https://govstatus.egov.com/OR-OHA-COVID-19>. It must be stressed that NIOSH-approved N95 and P100 respirators and comparable or better devices are currently the only masks that may offer some protection from fine particulate matter (PM_{2.5}) in the air or from smoke. Common face coverings like cloth masks and dust masks offer little or no protection from PM_{2.5} in these situations.
- The ability to assess and balance the needs created by concurrent hazards (e.g.-wildfires, heat, airborne diseases). Weatherized buildings with adequate heating, ventilation and cooling systems with appropriate filtration may be able to meet the needs created by concurrent hazards. Buildings without both appropriate cooling and filtration systems may create dilemmas when attempting to implement health guidance. For example, wildfire smoke guidance may suggest closing doors and windows to keep smoke out, while maintaining adequate air exchange to reduce virus particles or a safe indoor temperature may require opening them. Likewise, heat guidance may suggest opening windows during cooler parts of the day which may not be advisable during poor air quality events. In more complex settings, layering health protections and consulting multi-disciplinary teams can be helpful in determining the best way to implement guidance and minimize risk.

Using the 5-3-1 Visibility Index

Since wildfires often occur in remote areas, air monitoring equipment may not be available. Smoke levels

can rise and fall rapidly depending on weather conditions including wind direction. Making visual observations using the 5-3-1 visibility index is a simple way to estimate smoke levels and what precautions to take, as noted in **Table 4**. While this method can be useful, you should always use caution and avoid spending time outside if visibility is limited, especially if you are sensitive to smoke.

The procedure for using this visibility index is as follows:

1. Determine the limit of your visual range by looking for distant targets or familiar landmarks such as mountains, mesas, hills, or buildings at known distances. The visual range is that point at which these targets are no longer visible. Generally, if you can clearly see the outlines of individual trees on the horizon it is less than five miles away.
2. Ideally, looking at distant targets should be done with the sun behind you. Looking into the sun or at an angle increases the ability of sunlight to reflect off the smoke, making the visibility estimate less reliable and appearing worse than it is.
3. Once distance has been determined, follow this simple guide:
 - A. If visibility is well over five miles with no noticeable haze in the air, the air quality can be considered generally good.
 - B. Even if visibility is five miles away but generally hazy, air quality could be considered moderate and beginning to deteriorate, and is generally healthy, except possibly for smoke-sensitive persons. The general public should avoid prolonged exposure if conditions are smoky to the point where visibility is closer to the five-mile range. See **Table 4**.
 - C. If under five miles, the air quality is unhealthy for young children, adults over age 65, pregnant women, and people with heart or lung disease, asthma, or other respiratory illness. These people should minimize outdoor activity. See **Table 4**.
 - D. If under three miles, air quality is unhealthy for everyone. Young children, adults over age 65, pregnant women, and people with heart or lung disease, asthma, or other respiratory illness should avoid all outdoor activities. See **Table 4**.
 - E. If under one mile, the air quality is hazardous. Everyone should avoid all outdoor activities. See **Table 4**.

6. Oregon Smoke Blog Website

The Oregon Smoke Blog (www.oregonsmoke.org) is managed by DEQ and provides current air quality and health information on smoke impacts from wildfires. It features the Fire and Smoke map that shows active fires and current air quality readings. The Smoke Blog provides links to various agency websites and important guidance documents. Federal and state agencies, and local and tribal public health authorities may contribute content through DEQ. DEQ also maintains a related X (Twitter) account (@ORSmokeInfo) to distribute information. The schedule and contact information for DEQ Public Affairs staff during wildfire season are in **Appendix D**.

7. Annual Pre-Wildfire Season Conference Call

Each year prior to the summer wildfire season, in late May or early June, representatives from the participating agencies and organizations listed in this protocol will hold a conference call to prepare for the upcoming season. The purpose of this call is to review this protocol, discuss any changes or specific preparation needs for the summer, and update the contact list of staff expected to be using this protocol if major wildfires occur. The contact list for lead agencies is provided in **Appendix A**.

8. As-Needed Wildfire Conference Calls and Briefings

The threshold for issuing an air quality advisory resulting from wildfire smoke is when the 24-hr average concentration of PM_{2.5} is forecasted to meet or exceed 35.5 µg/m³, or Unhealthy for Sensitive Groups. If smoke is present at levels below this threshold, local jurisdictions are encouraged to follow **Table 4** and any community smoke response plans in distributing messaging regarding actions the public can take to protect themselves from smoke. Sign up for the call distribution list here:

<https://app.smartsheet.com/b/form/16db39a4335f4e24a098b36c4c8323c1>

- a. Conference calls will be held as needed during major wildfires when forecasts indicate the air quality advisory threshold may be met. The lead agencies hosting calls are DEQ and OHA. A conference call and briefing can be requested by any party, with concurrence then sought out amongst OHA, DEQ, USFS and NWS as available, and will usually take place in the morning. Unless otherwise announced, conference calls will be held on an as-needed basis from 8:30-9:30 A.M.

The calls will include updates on the status of major on-going wildfires and provide an opportunity to discuss current air quality conditions, smoke forecasts, local health impacts, recommended public actions, communications, emergency actions (such as evacuation) and any other relevant topic. These briefings will include a wildfire status update from public information officers associated with Incident Command (if available) and any Air Resource Advisor assigned to the wildfire.

For major wildfires in neighboring states (Washington, Idaho, Nevada, and California) that are affecting Oregon, the daily briefing may include the appropriate contacts in those states that have essential information. In situations where a smaller group conference call is needed, such as between state and local health officials to discuss specific local public health issues, or with DEQ to discuss local air quality levels in areas being heavily affected by wildfire smoke, the calls will be convened as needed. Requests for such calls should be made to either DEQ or OHA, depending on the primary topic of concern. These smaller group calls will typically be held during dynamic smoke events impacting one to two jurisdictions.

- b. If an advisory is being extended and no additional areas are being impacted, decisions regarding the extension may be done through email communications instead of by hosting a call. If an advisory is being extended with the same or fewer areas of impact, decisions regarding the extension may also be limited to emails. If new areas are being considered for inclusion in the advisory extension, an advisory call will be hosted. Advisory extension notices will be sent by DEQ PIO's using the same steps as a full advisory. Local jurisdictions should continue to follow **Table 4** and consult their smoke response plans in these situations to guide their local communication efforts.
- c. When wildfire smoke is present, but air quality is not impacted to the extent that a DEQ-issued air quality advisory is warranted, it is considered a situation with intermittent smoke. Intermittent smoke conditions may result in an elevated AQI for a period of time, but the 24-hour average is not forecasted to reach Unhealthy for Sensitive Groups or higher. DEQ, OHA, and/or local public health authorities may determine public messaging is warranted. DEQ messaging may include social media posts but will not include a full DEQ advisory or posting to the [DEQ Smoke Blog](#). Local jurisdictions should continue to follow **Table 4** and consult their smoke response plans in these situations to guide their local communication efforts.

Below is an agenda outline for the calls. The order of the agenda may be changed to accommodate those who have time constraints. An email announcing the call will be sent by the call host to the participants the day before the call. Hosts will try to have a notification out by 3:30 the day prior to, however, in rapidly evolving conditions notification may come after hours. Any participant who wishes to suggest additional discussion topics for the agenda should inform the host in advance. Unless previously arranged, discussions should be limited to the participating protocol entities.

Oregon Wildfire Conference Call, Briefings Agenda Example
8:30 –9:30 a.m. Pacific Time

AGENDA	
8:30 – 9:30 a.m. (Pacific)	
Topic	Anticipated Discussion Leader
Opening/Intro	Host
Statewide Weather Briefing	NWS
The current fire situation (location, size, etc.) and maps showing fire locations and detail as available	Incident Command PIO, ARA, USFS staff
Smoke and Air Quality Forecast (Location, duration, and concentration)	DEQ
Current Epidemiological Report (Focus on Impact Areas)	OHA
Community needs and any emergency issues for all to be aware	OEM/ODOT/OHA/OSHA/Tribes/LPHA Note that local entities (e.g.- schools) are asked to route updates or questions through their local public health agency for health concerns and county emergency management for other concerns.
Air Quality Advisory Development and Public Health & Safety Message Coordination (yes/no, impacted area, duration, etc.). Plan for issuing advisory and news release. Supplemental information for smoke blog, Tribes and local public health authority press releases.	DEQ with additional on-the ground input from: tribal governments and LPHA DEQ PIO with OHA PIO, ODOT PIO if issuing jointly.
Set date and time of next call as needed and adjourn	Host

9. Air Quality Advisory Coordination with National Weather Service

The National Weather Service offices and air quality agencies in Oregon and Southwest Washington developed a procedure for the coordination of air quality events (advisories and alerts) and the associated messaging. Events which may create the need for a coordination call between the National Weather Service offices and air quality agencies include:

- Forest fires and associated transport of smoke
 - Air quality approaching unhealthy levels
 - Weather pattern conducive to deteriorating air quality
1. During weekends if conditions improve to the point of good or a green AQI category and are expected to remain stable for an area with an existing advisory, the National Weather Service offices considering dropping or expiring their advisory will attempt to contact the responsible air quality agencies to evaluate the situation. If no contact can be made, the National Weather Service offices can proceed to stop messaging and drop the advisory from their dissemination systems. The National Weather Service offices will not originate an advisory for smoke impacts on their own. If conditions are deteriorating to unhealthy levels over the weekend, local agencies

will need to determine if they will deliver smoke and air quality messaging or issue their own advisory.

2. The National Weather Service system of messaging includes web services, email distribution, social media, National Oceanic and Atmospheric Administration (NOAA) Port, NOAA Weather Wire and several others that reach the public, broadcast media, social media outlets, emergency managers, and many more. The air quality agencies agree to email the press release containing the air quality advisory message to the National Weather Service offices. The National Weather Service agrees to disseminate air quality advisories from the air quality agencies as a National Weather Service product. National Weather Service offices will give attribution to the air quality agency and include a link to the air quality website in the product. The National Weather Service product amplifies the message from the air quality agencies to further reach the public with important information involving weather.
3. In the event of a prolonged smoke event, an advisory may be issued “until further notice”. The NWS will use their maximum advisory length of 7 days as a placeholder. Changes will be communicated from air quality agencies to NWS as frequently as possible (every 2 days preferred), but no later than within 24-hours prior to the end date. Agencies can communicate with NWS via agreed upon communication channels.

10. Indoor Air Monitoring Equipment

Wildfire smoke can affect indoor air quality. Research has shown that high levels of outdoor smoke can result in a significant amount of smoke infiltrating buildings, even when windows and doors are closed. Many commercial buildings and schools mechanically draw in the outdoor air through air filtration systems. Heating and cooling systems with MERV-13 or better filtration can remove ultrafine smoke particles. However, standard filtration generally will not remove most of the ultrafine smoke particles. Home heating and cooling systems may not be compatible with MERV-13 or better filtration. More information about the use of air filters, cleaners and other ways to reduce indoor smoke levels can be found in the document [*Wildfire Smoke: A Guide for Public Officials \(2019\)*](#).

There are different types of indoor air monitors that can be used to indicate the potential health risk when indoors. This monitoring equipment is generally focused on PM_{2.5} but may also detect carbon monoxide and other toxic gases. Other features include measuring temperature and relative humidity. Indoor monitoring equipment is typically less expensive than outdoor equipment, is relatively low maintenance, and can provide the same real-time measurements in micrograms per cubic meter, via handheld or portable monitors. These monitors can be purchased, or in some cases rented, during wildfires. US EPA has additional background on air quality sensors and monitors: <https://www.epa.gov/indoor-air-quality-iaq/low-cost-air-pollution-monitors-and-indoor-air-quality>. As noted in **Table 3** of the protocol, DEQ is responsible for monitoring outdoor air quality and does not have equipment for indoor air monitoring. For questions about employee health and possible indoor air monitoring in the workplace, contact an Oregon OSHA field office ([Oregon OSHA Field Office](#)) or visit [OR-OSHA Protecting Employees from Unhealthy Levels of Smoke](#).

11. Other Air Monitoring Networks, AQI Pages and Apps

DEQ primarily recommends checking air quality via the following sources:

- Oregon Smoke Blog – www.oregonsmoke.org
- OregonAir app – available on Apple and Android app stores
- Oregon DEQ AQI webmap – <https://aqi.oregon.gov/>
- EPA Fire and Smoke Map – <https://fire.airnow.gov/>

Other air monitoring networks or sites showing AQI values are available online. These are private

networks or data displaying systems that measure or show PM_{2.5} to varying degrees of accuracy. One network more known than others is the PurpleAir network. It has good data once it has been adjusted; however, is generally not presented in an adjusted or corrected manner. It has been found to report values 1.5 to 2 times higher in Oregon than actual PM_{2.5} values. Viewing this data should be done in a cautious manner and it may be used for possible trending information, such as where smoke is and if concentrations are improving or deteriorating.

Exercise caution when viewing other AQI apps or monitoring networks. Only the data represented on DEQ's website, the OregonAir app, [EPA's AirNow](#) website, and as shown on the [Oregon Smoke Blog](#) should be considered valid.

12. Resources and Guidance Documents for Public Health Officials

- Oregon Health Authority Wildfires and Smoke website: www.healthoregon.org/wildfires
- Oregon Health Authority Crisis and Emergency Risk Communication Toolkit: www.healthoregon.org/cerc
- Oregon OSHA Wildfire Smoke Rule: <https://osha.oregon.gov/pages/topics/wildfires.aspx>
- Oregon OSHA Heat Rule: <https://osha.oregon.gov/pages/topics/heat-stress.aspx>
- Centers for Disease Control and Prevention: Wildfires: <https://www.cdc.gov/wildfires/about/index.html>
- EPA: Wildfire Smoke- A guide for Public Health Officials: <https://www.airnow.gov/publications/wildfire-smoke-guide/wildfire-smoke-a-guide-for-public-health-officials/>

13. Appendices

Appendix A: Protocol Contacts. *Appendix A* of this protocol is a contact list of representatives from the agencies and organizations identified in this protocol. Annual updating of this contact list will be necessary and should be conducted at the annual pre-wildfire season conference call, as noted in **section 7** above.

Appendix B – Example Air Quality Advisory News Release. *Appendix B* of this protocol provides an example of DEQ's public announcement/press releases from prior years, which can be used as a guide for future announcements.

Appendix C – Oregon 2024 Monitor Network. The monitoring network and current data can be viewed on the DEQ webpages as shown in the wildfire related websites link and the locations can be viewed in the appendix for general information. The locations of the various monitors for 2025 are shown here in **Appendix C**. When additional PM 2.5 estimate monitors are installed and updates made to the OregonAir app, our AQI monitoring web pages and the wildfire blog will update accordingly, but changes may not be reflected in this protocol map until the next annual review.

Appendix D – Oregon DEQ Staffing Schedule: Wildfire Season 2024. *Appendix D* of this protocol outlines the rotating schedule of Public Affairs Specialists assigned during the 2025 wildfire season.

Appendix E – Respiratory Illnesses and Wildfire Smoke. *Appendix E* of this protocol outlines available resources and messaging around smoke guidance as it related to COVID-19 response efforts.

Appendix G – Oregon Air Resource Advisor – State Welcome Packet. ARA's are technical specialists assigned to incidents along with Incident Management Teams. ARA's provide timely smoke impact and forecast information and may install and operate temporary air quality monitors near fire perimeters. They can provide state and local agencies information on fire activity and projected smoke production. ARA's draft Smoke Forecast Outlooks that are published to the following website:

<https://outlooks.wildlandfiresmoke.net/outlook>

Appendix H – Facebook and X/Twitter Air Quality Advisory Templates – Wildfire Smoke

Response. Sample messaging for Facebook and X are included in **Appendix H**, including hashtags that are commonly used on DEQ posts. These templates can be used by local public health or other agencies that want to post their own air quality and smoke messaging.

Appendix A – Protocol Contacts

Appendix A.1 – Oregon Protocol Contact List

Agency/Organization	Staff Contact
1. Federal Land Managers (USFS & BLM)	Trevor Miller , Regional Fuels Program Manager (541) 604-5625 Simon.miller1@usda.gov
2. Air Resource Advisor National Coordinator	n/a (if assigned to major wildfire event) Pete Lahm , Wildland Fire Air Quality Response Program (USFS) 202-205-1084, cell: 602-432-2614 peter.lahm@usda.gov
3. NWS	Medford Bradley Schaaf , Meteorologist in Charge 4003 Cirrus Drive, Medford, OR 97504 541-773-1067 bradley.schaaf@noaa.gov www.weather.gov/Medford Please send all Air Quality Alerts to mfr.operations@noaa.gov or call 541-776-4326 or 541-773-1067
	Portland Treena Jensen , Warning Coordination Meteorologist NOAA's National Weather Service 5241 NE 122 nd Ave., Portland, Oregon 97230 503-326-2340 ext. 223, cell: 503-853-4121 treena.jensen@noaa.gov Please send all Air Quality Alerts to nws.portland@noaa.gov , Colby.neuman@noaa.gov , and treena.jensen@noaa.gov or call 503-326-2356
	Pendleton Katy Branham , Meteorologist in Charge National Weather Service, Pendleton, Oregon 541-276-7832 katy.branham@noaa.gov To post air quality alerts, please call or send e-mail to: pdt.operations@noaa.gov
	Boise Jay Breidenbach , Warning Coordination Meteorologist (Administration) National Weather Service, Boise, Idaho 208-334-9861 ext. 223 jay.breidenbach@noaa.gov To post air quality alerts, please call or send e-mail to Boise Operations: boise.weather@noaa.gov 208-334-9518 or 208-334-9508

4. American Red Cross	Chad Carter, Regional Communications Director 971-978-9353 chad.carter@redcross.org To request Red Cross response assistance, contact the Red Cross Duty Officer: 1-888-680-1455 (duty officer)
5. DEQ	Jennifer Horton, Air Quality Planner cell: 503-333-5812 jennifer.horton@deq.oregon.gov Russell Graham, Community Air Quality Coordinator, Eastern Region cell: 503-933-7515 russell.graham@deq.oregon.gov Neda Khosravi, Meteorologist, DEQ Lab Cell: 503-933-8336 Neda.khosravi@deq.oregon.gov Matthew Shrensel, Air Quality Monitoring Laboratory Manager 971-806-4993 matthew.shrensel@deq.oregon.gov Daniel Johnson, Air Quality Monitoring Section 503-693-5713, cell: 971-806-5323 daniel.johnson@deq.oregon.gov Harry Esteve, Interim Communications Manager cell: 503-229-6494 harry.esteve@deq.oregon.gov Chris Varley, Public Affairs, Portland Office, Northwest Region Cell: 503-933-0514 Chris.varley@deq.oregon.gov Antony Sparrow, Public Affairs, Bend Office, Eastern Region cell: 503-887-9113 antony.sparrow@deq.oregon.gov Dylan Darling, Public Affairs, Eugene Office, Western Region cell: 541-600-6119 dylan.darling@deq.oregon.gov Michael Loch, Public Affairs, Portland Office, Northwest Region cell: 503-737-9435 michael.loch@deq.oregon.gov Laura Gleim, Project Manager, Regional Solutions, Bend Office, Eastern Region cell: 503-577-3697 laura.gleim@deq.oregon.gov Jennifer Flynt, Public Affairs, Headquarters cell: 503-730-5924 cell jennifer.flynt.@deq.oregon.gov Susan Mills, Public Affairs, Headquarters, Social Media cell: 503-956-9648 susan.mills@deq.oregon.gov

6. OHA	Jamie Bash, Risk Communications Analyst, Health Security Preparedness and Response cell: 503-754-3190 jamie.p.bash@oha.oregon.gov
	Gil Garrot, Public Health Regional Emergency Coordinator Regions 1, 2 & 6, Health Security Preparedness and Response cell: 503-333-8903 GILLIS.G.GARROTT@oha.oregon.gov
	Maddie LeVasseur, Epidemiologist, Acute and Communicable Disease, ESSENCE work: 971-346-0834 madeline.levasseur@oha.oregon.gov
	Ericka Evans, Health Care Regional Emergency Coordinator Regions 3 & 5, Health Security Preparedness and Response cell: 503-689-6702 Ericka.Evans@oha.oregon.gov
	On-call Public Health Emergency Preparedness Duty Officer cell: 971-246-1789 PHP.DUTY-OFFICER@odhsoha.oregon.gov
	Jonathan Modie, Media Relations Officer, External Relations Division cell: 971-246-9139 jonathan.n.modie@oha.oregon.gov On-call PIO: PHD.Communications@oha.oregon.gov
	Eric Coker, Epidemiologist 971-673-1222 eric.coker@oha.oregon.gov
7. Tribal Government and Indian Health Service	Burns Paiute Tribe Suzanne Settle, Emergency Management Coordinator 541-573-8024 suzanne.settle@burns-paiute-nsn.gov
	Confederated Tribes of Siletz Indians Ian Keene, Planning Director 541-444-8323 iank@ctsi.nsn.us
	Confederated Tribes of Coos, Lower Umpqua, & Siuslaw Indians Sarah Hardisty, Tribal Response Program Specialist 541-294-2850 shardisty@ctclusi.org
	----- Armando Martinez II, Emergency Management Coordinator 541-435-7228, cell 541-999-4151 amartinez@ctclusi.org
	Confederated Tribes of Grand Ronde Brandy Bishop, Emergency Preparedness Coordinator 503-879-1837 brandy.bishop@grandronde.org

	Confederated Tribes of the Umatilla Indian Reservation Caleb Minthorn , Energy and Environmental Sciences Program 541-969-3151 calebminthorn@ctuir.org
	Confederated Tribes of Warm Springs Danny Martinez , Tribal Emergency Manager 541-553-3345 danny.martinez@wstribes.org
	Coquille Indian Tribe Lon Matheny , Emergency Management Director 541-982-3382 lonmatheny@coquilletribe.org
	Cow Creek Band of Umpqua Tribe of Indians Paul Crase , Emergency Manager 541-677-5541 Paul.crase@cowcreek-nsn.gov
	Klamath Tribes Lacey Jarrell , Emergency Manager 541-783-2219 ext 252 lacey.jarrell@klamathtribes.com
	Matthew Ellis , US Public Health Service, Emergency Management Coordinator Indian Health Services 503-414-7788 Matthew.Ellis@ihs.gov
	For other tribal contacts ¹ : Legislative Commission on Indian Services - Natural Resources Cluster – Tribal Contacts
8. Oregon Department of Emergency Management	Erin Zysett , Public Information Officer 971-304-5450 mailto:erin.c.zysett@oem.oregon.gov
	Shirley Blake , Public Affairs Officer 971-388-5382 Shirley.Blake@oem.oregon.gov
	OEM Duty Officer Oregon Emergency Response System (OERS) 1-800-452-0311 Or 503-378-6377
9. Oregon OSHA	Aaron Corvin , Public Information Officer cell: 971-718-6973 Aaron.corvin@dcbs.oregon.gov
	Penny Wolf-McCormick , Statewide Health Enforcement Manager cell: 971-707-0867 Penny.l.wolf-mcmormick@dcbs.oregon.gov

	Dave McLaughlin , Standards and Appeals Manager 971-701-5491 dave.mclaughlin@dcbs.oregon.gov
10. ODF	Stacy McCarter , Mitigation Program Manager (503) 701-0236 stacy.mccarter@odf.oregon.gov Jessica Prakke , Public Information Officer 503-983-3367 jessica.prakke@odf.Oregon.gov
11. Governor's Office Regional Solutions Centers	http://www.oregon.gov/gov/admin/regional-solutions/Pages/default.aspx
12. ODOT	Christina LeClerc , ODOT Emergency Operations Coordinator 503-986-4488 Christina.LECLERC@odot.state.or.us Jessica Gourley , State Emergency Operations Manager 503-986-3020 Jessica.K.Gourley@odot.state.or.us
13. Office of State Fire Marshal	Mariana Ruiz-Temple , Oregon State Fire Marshal 503-934-8238 mariana.ruiz-temple@osfm.oregon.gov
14. Lane Regional Air Protection Agency	Travis Knudsen , Executive Director 541-736-1056 ext. 217, cell: 303-523-2661 tknudsen@lrpa-or.gov Matt Sorensen , Public Affairs and Project Manager 541-736-1056 ext. 209 msorensen@lrpa-or.gov
15. Local Public Health Authorities	Call OHA's contacts above for wildfire-specific local contacts. As a backup, each Oregon County has general points of contact listed at http://public.health.oregon.gov/ProviderPartnerResources/LocalHealthDepartmentResources/Pages/lhd.aspx
16. 211info	Ciara Doyle , MSW, CIRS, Director of Contract Center and Programs 503-416-2704, cell: 919-434-5458 ciara.doyle@211info.org www.211info.org/
17. EPA Region 10	Randall Ruddick , Smoke Management Coordinator 206-553-1999 ruddick.randall@epa.gov Althea Godfrey , Tribal Air Team 206-553-1604 Godfrey.Althea@epa.gov

¹ Oregon Tribal Contact List - may not be the actual contact for wildfire smoke and air quality issues.

Appendix A.2 – Out of State Contact List

Agency/Organization	Staff Contact
18. Idaho Department of Environmental Quality	Boise, ID Tami Aslett, Smoke Management Supervisor Air Quality Division 208-373-0443 tami.aslett@deq.idaho.gov Boise, ID Sally Hunter, Smoke Management Analyst Air Quality Division 208-373-0181 Sally.hunter@deq.idaho.gov
19. Washington Department of Ecology	Yakima, WA Sean Hopkins, Smoke Management Team Lead Central Regional Office 509-575-2804 sean.hopkins@ecy.wa.gov
20. Southwest Clean Air Agency	Vancouver, WA Uri Papish, Executive Director 360-574-3058 x112 Uri@swcleanair.org
21. Nevada Division of Environmental Protection	Elizabeth Grainey, Ambient Air Monitoring Supervisor 775-790-7877 egraineysfontaine@ndep.nv.gov
22. California Air Resources Board	Sacramento, CA Charles Pearson, Incident Air Monitoring Section 279-208-7322, cell: 916-541-9026 charles.pearson@arb.ca.gov

Appendix A – Example Air Quality Advisory News Release – English and Spanish



Oregon Department of Environmental Quality

Air Quality Advisory

Release date:

Air quality advisory for ____ [Aviso sobre la calidad del aire]

QUICK FACTS

Location:

End date:

Smoke source:

The Oregon Department of Environmental Quality **[and Lane Regional Air Protection Agency/Washington Southwest Clean Air Agency]** **[extended/issued]** an air quality advisory **[day of week]** for **[area/location under advisory]** due to smoke from **[name/location of fires]**.

**** [Información en español](#) ****

DEQ expects the air quality advisory to last until at least **[day of week, morning/afternoon/evening]**. DEQ and partner agencies will continue to monitor smoke in the area. {DEQ expects intermittent smoke **[in area/location]**. Air quality may improve **[during the morning/afternoon/evening or day of week]** but smoke is likely to return **[morning/afternoon/evening or day of week]**.

Smoke levels can change rapidly depending on weather. Check current conditions on the [Oregon Smoke Information Blog](#), [DEQ's Air Quality Index](#), or by downloading the free [OregonAir app](#) on your smartphone.

Smoke can irritate the eyes and lungs and worsen some medical conditions. People most at risk include infants and young children, people with heart or lung disease, older adults and pregnant women.

Protect yourself and your family when smoke levels are high:

- Stay inside if possible. Keep windows and doors closed. If it's too hot, run air conditioning on recirculate or consider moving to a cooler location.
- Avoid strenuous outdoor activity.

- Use high efficiency particulate air (HEPA) filters in indoor ventilation systems or portable air purifiers. Or [create your own air purifying filter by following these instructions](#).
- Be aware of smoke in your area and avoid places with the highest levels of smoke.
- When air quality improves to moderate or healthy (yellow or green on the Air Quality Index), open windows and doors to air out homes and businesses.
- If you have a breathing plan for a medical condition, be sure to follow it and keep any needed medications refilled.

Cloth, dust and surgical masks don't protect from the harmful particles in smoke. [Certain respirators approved by NIOSH](#) can offer protection, but they must be properly selected and worn. Select a NIOSH-approved respirator with a N, R, or P alongside the number 95, 99 or 100. [Learn how to put on and use a respirator](#). Respirators won't work for small children as they don't come in children's sizes. Older children may fit into an adult extra-small. People with heart or lung conditions should consult their health care provider before wearing a respirator.

Additional resources:

- Find a cleaner air space in your area: Visit 211info.org, click "Find Resources" and search in the Community Resource Database for "Wildfire Related Clean Air Shelters." Or call 211 any time or day.
- [Learn more about protecting your health during wildfires](#)

Media contacts:

- Name, DEQ public affairs specialist, phone, email
- [Local and Tribal contacts](#)

##



Aviso sobre la calidad del aire

Fecha de publicación:

Aviso sobre la calidad del aire para ____

DATOS RÁPIDOS

Ubicación:

Fecha de finalización:

Fuente de humo:

El Departamento de Calidad Ambiental de Oregon (DEQ, por sus siglas en inglés) emitió un aviso sobre la calidad del aire el **[día de la semana]** para **[zona; algunas posibilidades: Área metropolitana de Portland-Vancouver/Valle de Willamette/Centro de Oregon/Sur de Oregon/Este de Oregon/Costa de Oregon]** debido al humo de **[nombre del incendio/ubicación de los incendios forestales]**.

El DEQ espera que el aviso sobre la calidad del aire dure al menos hasta el **[día por la mañana/tarde/noche]**. El DEQ y las agencias asociadas continuarán monitoreando el humo en el área.

El DEQ también espera humo intermitente en otras partes del sur de Oregon hasta el **[día por la mañana/tarde/noche]**, incluyendo **[zona; algunas posibilidades: Área metropolitana de Portland-Vancouver/Valle de Willamette/Centro de Oregon/Sur de Oregon/Este de Oregon/Costa de Oregon]**. Consulte las Perspectivas de pronóstico de humo de incendios forestales para ver en qué momentos del día el humo podría afectar más o menos en estas áreas.

O - Para los avisos en muchas áreas:

Las siguientes áreas están afectadas:

[Condado hasta el lunes/martes/miércoles/jueves/viernes/sábado/domingo por la mañana/tarde/noche].

[Condado hasta el lunes/martes/miércoles/jueves/viernes/sábado/domingo por la mañana/tarde/noche].

[Optional, add when there's also an ozone advisory:] El DEQ **[y Lane Regional Air Protection Agency (la Agencia Regional de Protección del Aire de Lane)/Washington Southwest Clean Air Agency]** también emitieron [un aviso de calidad del aire](#) **[día de la semana]** para el ozono, o smog, para el **[area]** hasta **[día de la semana mañana/tarde/noche]**.

Los niveles de humo pueden cambiar rápidamente dependiendo del clima. Revise las condiciones actuales en el [Blog de Información sobre el Humo de Oregon](#), en el [Índice de Calidad del Aire del DEQ](#) o descargando la aplicación gratuita [OregonAIR](#) en su smartphone.

El humo puede irritar los ojos y los pulmones y empeorar algunas condiciones médicas. Las personas con mayor riesgo son los bebés y los niños pequeños, las personas con enfermedades cardíacas o pulmonares, los adultos mayores y las mujeres embarazadas.

Protéjase y proteja a su familia cuando los niveles de humo sean altos:

Permanezca adentro si es posible. Mantenga las ventanas y las puertas cerradas. Si hace mucho calor, use su aire acondicionado, ajustándolo a recircular el aire, ó considere ir a un lugar con clima más fresco.

Evite las actividades extenuantes al aire libre.

Utilice filtros de aire de partículas de alta eficiencia (HEPA) en los sistemas de ventilación interior o purificadores de aire portátiles. O [cree su propio filtro purificador de aire siguiendo estas instrucciones](#).

Sea consciente del humo en su zona y evite los lugares con los niveles más altos.

Cuando la calidad del aire mejora (amarillo ó verde en el índice de calidad del aire), abra las ventanas y puertas cuando sea posible para ventilar su hogar ó el negocio.

Si usted tiene un plan para condiciones respiratorias que requieren asistencia médicas, asegúrese seguir las recomendaciones a la vez que tener las medicinas necesarias para su salud.

Las mascarillas de tela, para polvo y quirúrgicas no protegen de las partículas nocivas del humo. Los respiradores N95 o P100 aprobados por NIOSH pueden ofrecer protección, pero deben seleccionarse y usarse correctamente. Seleccione un respirador aprobado por NIOSH con una N, R o P junto al número 95, 99 o 100. Aprenda a ponerse y a usar un respirador. Los respiradores no funcionarán para los niños, ya que no vienen en tallas para ellos. Las personas con afecciones cardíacas o pulmonares deben consultar a su proveedor de atención médica antes de usar un respirador.

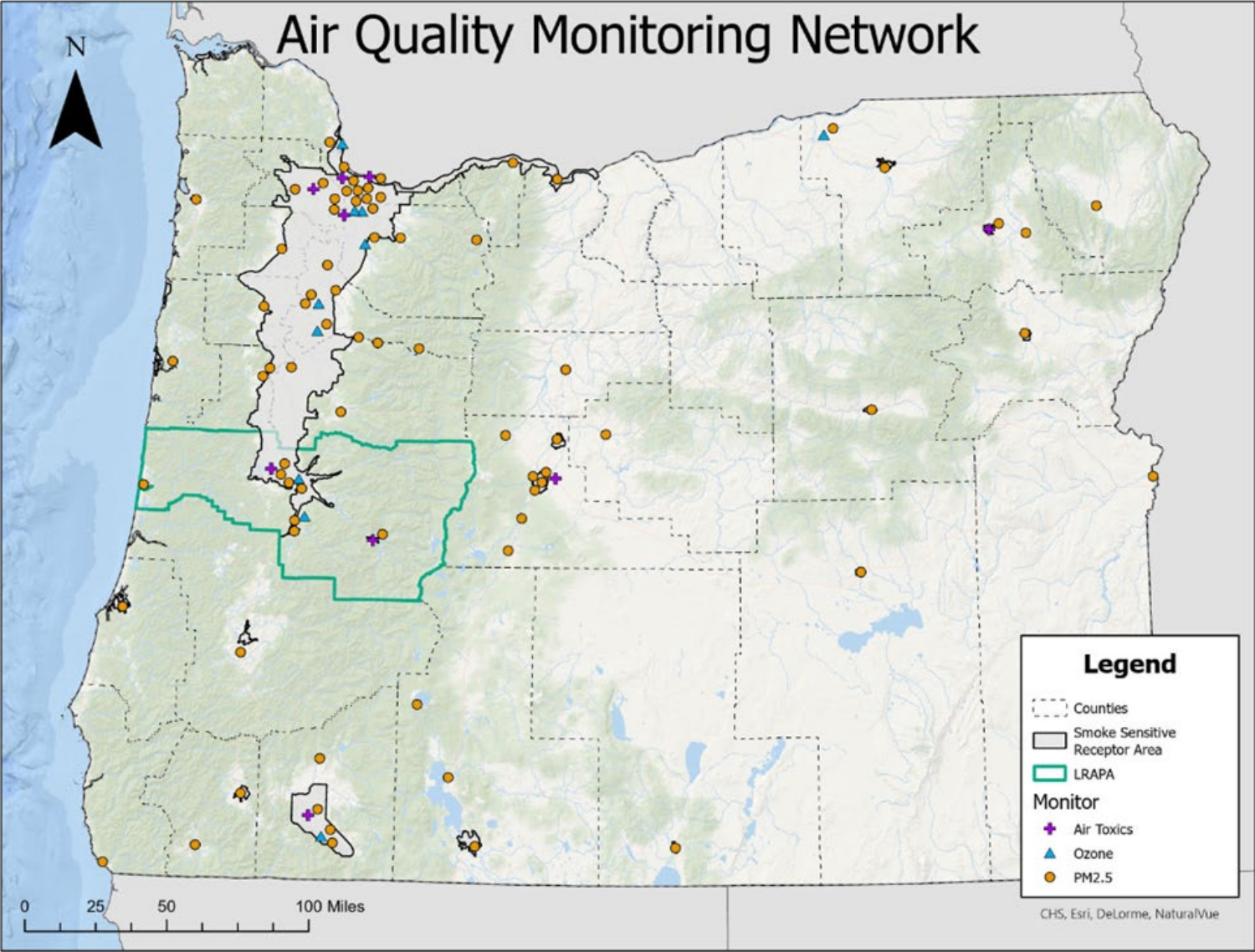
Recursos adicionales:

Encuentre un espacio de aire más limpio en su área: Visite 211info.org y busque “Refugios de aire limpio relacionados con incendios forestales”. O llame al 211 a cualquier hora o día.

[Obtenga más información sobre cómo proteger su salud durante un incendio forestal.](#)

###

Appendix B – Oregon 2026 Monitor Network



Appendix C – Oregon DEQ Staffing Schedule: Wildfire Season 2026

Updated: April 21, 2026

Meeting Host Staffing Schedule – 2026

DEQ and OHA work together to share hosting duties during wildfire season. The on-call host monitors fire conditions, forecasts, and current air quality. The host is responsible for sending out invitations to the Wildfire Smoke Coordination Call and ensuring the call follows the agenda and all parties are able to share relevant information or get questions answered. In 2026, calls will not be held over weekends or on holidays.

Host Contact Information:

DEQ: Jennifer Horton, 503-333-5812, jennifer.horton@deq.oregon.gov
Russell Graham, 503-933-7515, russell.graham@deq.oregon.gov
Farrah Fatemi, 503-915-5671, farrah.fatemi@deq.oregon.gov

OHA: Jamie Bash, 503-754-3190, Jamie.p.bash@oha.oregon.gov
Madeline LeVasseur, 971-346-0834, madeline.levasseur@oha.oregon.gov
Gil Garrot, 503-689-6702, gillis.g.garrott@oha.oregon.gov
Ericka Evans, 503-689-6702, ericka.evans@oha.oregon.gov
Public Health Duty Officer, cell: 971-246-1789, PHP.DUTY-OFFICER@odhsoha.oregon.gov

Date	Host	Backup
June 1 - 8	Jennifer	Jamie
June 9 – 15	Jamie	Russell
June 16 – 22	Russell	Madeline
Friday, June 19	Juneteenth holiday	
June 23 – 29	Madeline	Farrah
June 30 – July 6	Farrah	Gil
Friday, July 3	Independence Day holiday	
July 7 – 13	Gil	Jennifer
July 14 – 20	Jennifer	Ericka
July 21 – 27	Ericka	Russell
July 28 – Aug 3	Russell	Madeline
Aug 4 – 10	Ericka	Farrah (8/7 Russell)
Aug 11 – 17	Farrah (8/14 Russell)	Ericka
Aug 18 – 24	Jamie	Jennifer
Aug 25 – 31	Jennifer	Gil
Sept 1 – 7	Gil	Russell
Monday, Sept. 7	Labor Day holiday	

Sep 8 – 14	Russell	Ericka
Sep 15 – 21	Madeline	Farrah (9/18 Jennifer)
Sep 22 – 28	Farrah (9/25 Jennifer)	Jamie
Sep 29 – Oct 5	Jamie	Jennifer
Oct 6 – 12	Jennifer	Madeline
Oct 13 – 19	Madeline	Russell
Oct 20 – 26	Russell	Gil
Oct 27 – 31	Gil	Farrah (10/30 Russell)

Public Affairs Staffing Schedule – 2026

To provide consistent and nimble communications support during the wildfire season, DEQ has established a rotating schedule of public affairs specialists to handle news releases, blog updates and other needs. This information may be updated throughout wildfire season. Coverage will not be available on weekends or holidays.

Date	On duty	Contact	Backup
June 1 - 12	Chris Varley	503-933-0514 chris.varley@deq.oregon.gov	Michael Loch
June 15 - 22	Michael	503-737-9435 michael.loch@deq.oregon.gov	Antony Sparrow
Friday, June 19	Juneteenth holiday		
June 23 - 26	Dylan Darling	541-600-6119 dylan.darling@deq.oregon.gov	Antony
June 29 – July 10	Antony	503-887-9113 antony.sparrow@deq.oregon.gov	Jennifer Flynt
Friday, July 3	Independence Day holiday		
July 13 - 24	Jennifer	503-730-5924 jennifer.flynt@deq.oregon.gov	Dylan
July 27 – Aug 7	Dylan	541-600-6119 dylan.darling@deq.oregon.gov	Chris
Aug 10 - 21	Jennifer	503-730-5924 jennifer.flynt@deq.oregon.gov	Michael
Aug 24 – Sep 4	Michael	503-737-9435 michael.loch@deq.oregon.gov	Antony
Sept 8 - 18	Antony	503-887-9113 antony.sparrow@deq.oregon.gov	Jennifer
Monday, Sept. 7	Labor Day holiday		
Sep 21 – Oct 2	Chris	503-933-0514 chris.varley@deq.oregon.gov	Dylan
Oct 5 – 16	Dylan	541-600-6119 dylan.darling@deq.oregon.gov	Chris

Oct 19 - 30	Chris	503-933-0514 chris.varley@deq.oregon.gov	Michael
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AQI Monitoring and Maintenance Staffing Schedule – 2026

Air Quality Monitoring will be monitoring the AQI daily and troubleshooting if a station goes down. Here is a list of who's doing what:

- Kathleen Schuckman (cell 503-509-6383): lead on maintaining the AQI.
- Dan Johnson (cell 971-806-5323): lead on answering AQI questions and backup for Kathleen - the AQI web page email: AQM.Questions@deq.oregon.gov, phone number: 503-693-5861. For general questions please refer to the Frequently Asked Questions and Health Impacts tabs on the AQI: <https://aqi.oregon.gov/>, or our fabulous Oregon Smoke Blog <https://oregonsmoke.org>
- Patrick Irvine (cell 971-200-9822): IT lead on posting air advisories to the AQI
- Nelly Bernuy (cell 971-563-6370): IT backup for Patrick
- Matthew Shrensel (cell 971-806-4993): Air Quality Monitoring manager
- Shane Sevey (cell 503-933-2806): Lab IT staff manager

AQI maintenance on-call weekend coverage:

Date	Staff	Contact
May 30-31	Kathleen Schuckman	503-509-6383
June 6-7	Dan Johnson	971-806-5323
June 13-14	Ben Ayres	971-303-2537
June 19-21	Ken Moody	503-367-4159
June 27-28	Zach Koch	971-806-3161
July 3-5	Matt Shrensel	971-806-4993
July 11-12	Kathleen Schuckman	503-509-6383
July 18-19	Dan Johnson	971-806-5323
July 25-26	Ben Ayres	971-303-2537
Aug 1-2	Ken Moody	503-367-4159
Aug 8-9	Zach Koch	971-806-3161
Aug 15-16	Matt Shrensel	971-806-4993
Aug 22-23	Kathleen Schuckman	503-509-6383
Aug 29-30	Dan Johnson	971-806-5323
Sept 5-7	Ben Ayres	971-303-2537
Sept 12-13	Ken Moody	503-367-4159
Sept 19-20	Zach Koch	971-806-3161

Sept 26-27	Matt Shrensel	971-806-4993
Oct 3-4	Kathleen Schuckman	503-509-6383
Oct 10-11	Dan Johnson	971-806-5323
Oct 17-18	Ben Ayres	971-303-2537
Oct 24-25	Ken Moody	503-367-4159
Oct 31	Zach Koch	971-806-3161

Appendix D – Respiratory Illnesses and Wildfire Smoke

It is important to avoid wildfire smoke while also slowing the spread of respiratory illnesses such as Flu, RSV and COVID-19. Some strategies used to reduce exposure to wildfire smoke, such as use of respirators and air filtration systems, are like those used to slow the spread of respiratory illnesses. Unless adapted, other strategies used to minimize smoke exposure could increase opportunities for respiratory illnesses to spread.

Cleaner air spaces are an important way to protect the public's health against wildfire smoke. Not everyone is able to create a cleaner air space at home, particularly people with low incomes or who lack permanent housing. Those who cannot create a cleaner air space at home often use public spaces to access cleaner air. Respiratory illness precautions remain an important consideration at community cleaner air spaces, particularly while respiratory illnesses are circulating broadly. In some cases, this includes the need for masking and physical distancing in some circumstances. As described in **Table 3** of this protocol, local or tribal public health authorities should consult with DEQ, ARA, OHA and OR-OSHA to determine if a cleaner air space should be opened, or if there are other protective strategies that should be deployed. **If you open a cleaner air space in your jurisdiction, provide clear messaging about the capacity of the space, disease prevention measures that will be taken, and other strategies people can use to limit health effects from smoke.**

People who can create a cleaner air space at home should be encouraged to do so. Staying home helps minimize the risk of exposure to respiratory diseases. The harmful particles found in smoke, known as PM2.5, can only be filtered out of indoor air with high efficiency particulate filters (HEPA) or electrostatic precipitator (ESP) filters. Make sure to use the non-ozone producing type. This level of filtration is especially important for people in smoke-sensitive groups, many of which overlap with groups at higher risk of respiratory illnesses. An appropriate level of filtration can be achieved using HEPA air filters on compatible heating and cooling systems, or portable HEPA and non-ozone producing ESP devices.

There are several strategies for avoiding respiratory illnesses. These include being vaccinated against those diseases for which a vaccine exists (e.g. flu, COVID-19, RSV) washing hands frequently, and avoiding close contact with people who are ill with fever, cough, difficulty breathing, or other respiratory symptoms.

For individuals who must be outdoors during a smoke event, particle filtering respirators, commonly known as N95s may offer some protection from the harmful particles found in smoke. Care should be taken to select a **NIOSH-approved** respirator with a 'N', 'R', or 'P' alongside the number 95, 99 or 100. Users should become familiar with their limitations and proper use. People with pre-existing health conditions should speak with their healthcare provider prior to using a particulate respirator. Wearers need to select a respirator that fits properly to ensure a protective seal around the face. The type of respirator that filters out harmful smoke particles is not available in children's sizes. For the most protection it is important to understand how to put a respirator on, properly position it on your face and how to remove it. Please note that the emergency use authorization from the US Food and Drug Administration has been rescinded for KN95s. KN95s are no longer permitted under their smoke rules because the EUA is no longer in place, and because the more reliable, NIOSH approved respirators are no longer in short supply.

N95 or equivalent respirators are important personal protective equipment for healthcare and essential workers who must continue to work with regular public interactions. Supplies of these respirators have improved. As with any product, supply may change with time based on demand and the ability of the supply chain to meet demand. Language requesting the public reserve PPE for health care personnel may be added or dropped based on state and national PPE supply and current conditions.

Resources:

Statement from OR OSHA and OHA on Particulate Respirators and Masks

<https://sharedsystems.dhsoha.state.or.us/DHSForms/Served/le3304.pdf>

Oregon OSHA Summary of Heat and Wildfire Rules:

<https://osha.oregon.gov/OSHArules/adopted/2022/heat-wildfire-smoke-rule-summary-2022.pdf>

Identification of Clean Air Spaces:

<https://www.oregon.gov/oha/PH/PREPAREDNESS/PREPARE/Documents/IdentificationOfCleanAirShelters.pdf>

Appendix E – Resources and Links

Wildfire Smoke: A Guide for Public Officials. The smoke exposure levels listed in **Table 4** are adapted from the guidance document [Wildfire Smoke: A Guide for Public Health Officials \(2019\)](#). This document is currently used in many states as a reference guide for how public agencies can best protect public health during wildfires.

In addition to providing background information on the composition of smoke, potential health effects, and recommended actions, it contains specific strategies on how to reduce smoke exposure, such as indoor air filters and cleaners, use of masks and respirators, setting up cleaner air spaces, and examples of public service announcements for wildfire. This document is referenced here as general guidance to provide additional information, and like this protocol, is not intended to replace, interfere with, or limit any action taken by a public agency while performing its official duties, nor does it represent a legally binding document.

Fire Information. In addition to information on the [Oregon Smoke Blog](#) and the [Fire and Smoke map](#), these sites provide current information on wildfires and smoke.

- [National Interagency Fire Center](#) – The nation’s support center for wildland firefighting.
- [Northwest Coordination Center](#) – Information on fires in the NW and seasonal fire weather outlooks.
- [InciWeb](#) – Provides updates on large fires across the country, with current information, maps and more.
- [Oregon Department of Forestry](#) – Information and statistics, restrictions and closures, fire prevention and more. Visit ODF’s [wildfire blog](#) for the latest fire info.
- [State of Oregon Fires and Hotspots Dashboard](#) – Active fires and satellite detected hotspots around the state.
- [RAPTOR \(Real-Time Assessment and Planning Tool\)](#) – Information on a variety of hazards, closures, and resources for Oregon.
- [Central Oregon Fire Info](#) – Current fire and smoke information for Central Oregon.
- [Oregon Department of Forestry Southwest Oregon District Fire Blog](#) – Jackson and Josephine counties.
- [Blue Mountains Interagency Fire Dispatch Center](#) – Umatilla and Wallowa Whitman National Forests
- [Watch Duty](#) – Nonprofit providing fire data online and in an app with information pulled from numerous sources.

Air Quality. In addition to information on the [Oregon Smoke Blog](#) and the [Fire and Smoke map](#), these sites provide current air quality information.

- [Oregon DEQ AQI](#) – Map with Oregon DEQs air quality monitoring data.
- [AirNow](#) – Access air quality data and forecasts for your zip code or city.
- [AirFire Monitoring](#) – Air quality monitoring data with the ability to easily compare sites and view trends.
- [PurpleAir](#) – Map of publicly-owned monitors. Data does not go through a quality assurance process. The LRAPA conversion factor should be applied.
- [E::Space Labs](#) – Monitoring network focused on the Central Oregon area. Data does not go through a quality assurance process.

Smoke Forecasting. These sites provide smoke forecasting information.

- [National Weather Service](#) – Forecast for near surface smoke with the ability to also view PM2.5, ozone, and dust forecasts.
- [BlueSky Daily Runs](#) – Uses meteorological data to forecast smoke.
- [HRRR Smoke Model](#) – High Resolution Rapid Refresh Smoke model
- [AirPact](#) – Air quality forecasting for the Pacific Northwest.
- [Canadian Wildfire Smoke Prediction System](#) – Provides daily smoke forecast maps from early April to late October.
- [FireSmoke Canadian Model](#) – Canadian smoke forecasting model using BlueSky Canada.
- [Western Region Climate Center](#)

Satellite Imagery. These sites provide satellite imagery that can be helpful in visualizing smoke transport.

- [MODIS Today](#)
- [GOES West Visible Imagery](#)
- [Zoom Earth](#)
- [NASA Worldview](#)

Webcams

- [Oregon Department of Transportation's Trip Check](#)
- [Oregon AlertWest Wildfire Camera Network](#)
- [Crater Lake](#)
- [Joseph Oregon](#)
- [Columbia River Gorge Area](#)
- [Black Butte Ranch in Sisters](#)
- [Downtown Bend](#)
- [Timberline Lodge](#)

Appendix F – Oregon Air Resource Advisor – State Welcome Packet

Updated: April 21, 2026

Air Resource Advisor Guide to Oregon Wildfire Smoke Advisory Calls

This document is intended to help guide you in your deployment as an ARA while in Oregon. Wildfires burn an average of 716,000 acres in Oregon each year and the number of days with air quality that is unhealthy for sensitive groups or worse continues to increase. We greatly appreciate ARA input during advisory calls and find the smoke outlooks useful both throughout wildfire season and when it is necessary to complete an exceptional event demonstration for the Environmental Protection Agency.

If you are being provided this Guide as a standalone document, the full Oregon Wildfire Response Protocol for Severe Smoke Episodes can be found at:

<https://www.oregon.gov/deq/FilterDocs/WFresponse.pdf>. The Protocol includes information for participating agencies, their area of expertise and their involvement in wildfire and smoke response, action taken during advisory calls and the call agenda, contact lists, and an air quality advisory template. Air quality advisories are posted on the Oregon Smoke Blog (www.oregonsmoke.org), with messaging amplified by partner agencies.

When air quality is impacted by wildfire smoke, advisory calls are hosted on an as-needed basis by the Oregon Department of Environmental Quality and the Oregon Health Authority, along with partner agencies including the Oregon Department of Forestry, the National Weather Service, the US Forest Service, the Lane Regional Air Protection Agency, and local public health authorities. Calls are scheduled on an as-needed basis from 8:30 – 9:30 AM PDT and email invitations are sent the day before when possible. One of the key objectives of calls is to make decisions about the location and duration of air quality advisories. During these calls, about five to ten minutes is dedicated to ARA updates on fire activity and smoke production forecasts. We appreciate if you could provide the following information during that time:

- Name
- Incident to which you are assigned
- If you have recently taken over for someone, their name
- Where you are physically located
- Which communities are included in your forecast area
- Current fire information including size, growth in the past 24 hours, percent contained
- Expected changes in the rate of fire growth, fire operations activities, or fuels which could result in a significant change in smoke emissions
- Location and duration of the placement of any temporary monitors
- Which, if any, smoke forecasting models you rely on, if you agree with their predictions and why/why not
- Your smoke predictions
- Any smoke concerns being expressed by fire management or the community
- Upcoming community meetings or events to provide wildfire updates and their location and time

Meetings are held using Microsoft Teams and screen sharing is utilized for each agencies report. The agenda includes:

- Introduction – Host (DEQ or OHA)
- Statewide weather briefing – National Weather Service
- Current fire situation – ARA(s)
- Smoke and air quality forecast – DEQ
- Epidemiological report – OHA

- Any community needs or emergency issues to be considered – can be provided by state or local attendees
- Air quality advisory development and supplementary public health and safety messaging – group can comment but led by DEQ PIO
- Date for next call – Host (DEQ or OHA)

Coordination with DEQs Meteorologist outside of air quality advisory calls is recommended, when possible, as a useful tool in preparing forecasts and comparing information and resources.

A list of main contacts is included below, with a more inclusive list included in the Protocol. The Protocol also contains online resources including websites related to wildfire information, air quality information, OHA resources for public health and risk communications, and Oregon webcams. A [list of Local Public Health Authority contacts](#) by county is hosted online by OHA.

Agency	Contact Information
Oregon DEQ Smoke Team	smoke@deq.oregon.gov – Team members listed below
DEQ	Jennifer Horton , Air Quality Planner cell: 503-333-5812 jennifer.horton@deq.oregon.gov
DEQ	Russell Graham , Community Air Quality Coordinator, Eastern Region cell: 503-933-7515 russell.graham@deq.oregon.gov
DEQ	Neda Khosravi , Meteorologist, DEQ Lab Cell: 503-933-8336 Neda.khosravi@deq.oregon.gov
OHA	Jamie Bash , Risk Communications Analyst 971-673-1394, cell: 503-754-3190 jamie.p.bash@dhsosha.state.or.us
ODF	Stacey McCarter , Mitigation Manager (503) 701-0236 Stacey.Mccarter@odf.oregon.gov
USFS/BLM	Trevor Miller , Regional Fuels Program Manager (541) 604-5625 Simon.miller1@usda.gov
Lane Regional Air Protection Agency	Travis Knudsen , Executive Director 541-736-1056 ext. 217, cell: 303-523-2661 tknudsen@lrpa-or.gov
	Matt Sorensen , Public Affairs 541-736-1056 ext. 209 msorensen@lrpa-or.gov

If you have additional questions related to the Protocol or advisory calls in Oregon or need to be added to the email list for advisory call invitations, please reach out to one of the DEQ or OHA staff listed above.

Appendix G – Facebook and Instagram Air Quality Advisory Templates – Wildfire Smoke Response

Updated: May 28, 2026

IMPORTANT: The below information provides the protocol DEQ runs to post to social media accounts. Other agencies and organizations, including local public health organizations may share the

posts as is, or provide additional comment which they draft themselves.

OVERALL NOTES:

- **As of May 2026, Oregon DEQ has suspended its X/Twitter account and will no longer post from that site. We have launched an Instagram account (@oregondeq). It is subject to the same limitations as all of DEQ's social media accounts.**
- See the end of this appendix for common tags and hashtags.
- Additional templates are available on OHAs [Wildfire preparedness, response and recovery communication tools and templates](#) webpage.

For a newly issued air quality advisory:

Facebook (@OregonDEQ):

NOTES:

- DEQ includes English and Spanish in one post on Facebook. The English section is identified by beginning with “ENG” and the Spanish section identified by beginning with “ESP”.
- We typically put all tags and hashtags at the end of the post.

ENG: Today, @OregonDEQ [and @SWCleanAirAgency, @LaneRegionalAir, if needed] issued an #AirQuality advisory for [location] due to smoke from the [fire name] near @[nearest city or county]. The advisory is expected to last until [day of week][morning/afternoon/evening]. Go to www.oregonSmoke.org for more details.

ESP*: Hoy, @OregonDEQ [y @SWCleanAirAgency, @LaneRegionalAir, if needed] emitieron un aviso de #CalidadDelAire para [location] debido al humo del [fire name] cerca de @[nearest city or county]. Se espera que el aviso dure hasta el [day of week – note that days of the week are not capitalized in Spanish] [en la mañana OR en la tarde OR en la noche]. Visite www.oregonhumo.org para obtener más detalles.

***If the Spanish translation is not available by the time you post in English, you may want to use the following:** La traducción al español aún está por llegar.
(Translation: “Spanish translation still to come.”)

Instagram (@oregondeq)

NOTES:

- The intent is for the graphic and caption to provide the basic information and a call to action directing the user to visit our Linktree in the bio to connect to the Oregon Smoke Blog for more details.
- There will be two posts, one in English and one in Spanish. DEQ typically posts the Spanish-language post first and then the English-language post. That way, if you go to our grid/feed, the English-language version posts first.

FOR SPANISH: [Cut and paste the first sentence of the press release]. Para más detalles, visita el Linktree en nuestro perfil para encontrar un enlace al Blog de Información sobre el humo de Oregon (Add relevant handles, e.g., @ohaespanol).

FOR ENGLISH: [Cut and paste the first sentence of the press release]. For more details, click on the Linktree in our bio to find a link to the Oregon Smoke Information blog. (Add relevant handles, e.g., @oregonhealthauthority)

Possible Facebook and Instagram Hashtags (i.e., #) and Handles (i.e., @):

NOTE: If a handle does not appear below for either FB or IG for counties listed, it's because it does not exist or we couldn't find it. Please contact Susan Mills at susan.mills@deg.oregon to have additional counties and updated Facebook and/or Instagram handles added to the list.

Hashtags:

- #AirQuality
- #CalidadDelAire
- #Wildfire
- # IncendioForestal

Handles for Relevant State, County, City Governments and Departments (@):

- Amity Fire District (Polk County): FB: @AmityFireDistrict
- Ashland: FB: @CityofAshlandOregon IG: @cityofashlandoregon
- Baker City: FB: @cityofbakercity/timeline IG: @bakercityor
- Baker County: FB: @BakerCounty
- Baker County Health Department: FB: @BCHDFan IG: @bakercountyhealth2200
- Beaverton: FB: @CityofBeaverton IG: @CityofBeaverton
- Bend: FB: @CityofBendOregon IG: @cityofbendoregon
- Benton County: FB & IG: @BentonCoGov
- Central Oregon Fire Info: No FB or IG
- Central Oregon Fire & Rescue: FB: @COCFRD IG:
- Central Oregon Fire Prevention Co-op: FB: @CentralORCOOP IG: @centraloregonfireprevcoop
- Clackamas County: FB: @ClackamasCounty IG: @clackamascounty
- Confederated Tribes of Grand Ronde: FB & IG: @CTGRgov
- Crook County: FB: @profile.php?id=100068558935726# (**NOTE: This address may or may not work**)
- Curry County: FB: @currycountygovernment
- Curry County Emerg. Man.: FB: @curry.co.emergency.management
- Deschutes County: FB: @Deschutes.County IG: @deschutes_county
- Deschutes County (Spanish-Language): FB @ElCondadodeDeschutes
- Deschutes County Health Services: FB: @deschuteshealth IG: @deschutes_healthservices
- Douglas County: FB: @DouglasCountyGovernment (**NOTE: Be careful not to tag Douglas County, CO**)
- EPA: FB: @EPA IG: @epagov
- EPA Reg. 10: FB: @eparegion10 IG: @epa_northwest
- Eugene: FB: @CityofEugene IG: @cityofeug
- Gilliam County: FB: @61571533198569 (**NOTE: This address may or may not work**)
- Gold Beach: FB: @CityofGoldBeach
- Grants Pass: FB & IG: @grantspassoregon
- Hermiston: FB & IG: @cityofhermiston
- Hood River (City): FB & IG: @cityofhoodriver
- Hood River County: FB: @HoodRiverCo IG: @hoodrivercounty
- Hood River County Health Dept.: FB: @HRCHealthDepartment IG: @hrchealthdepartment
- Hood River West Side Fire District: FB: @WestSideFireDistrict
- Jackson County: FB: @JacksonCountyOR IG: @jacksoncounty_or
- Jefferson County: FB: @JeffersonCounty1914
- Jefferson County Public Health: FB: @JeffersonCountyOrPublicHealth (**NOTE: Be sure this is Jefferson County, OR**)
- Josephine County: FB: @JosephineCountyOR IG: @josephinecounty

- Josephine County Office of Emergency Management: FB: @josephinecountyEM IG: @jocoemergencymanagement
- Josephine County Public Health: FB: @JosephineCountyPublicHealth IG: @josephinecountypublichealth
- City of Klamath Falls: FB: @TheCityofKlamathFalls **(NOTE: Be sure to include “The” in the FB handle)** IG: @cityofklamathfalls
- City of Klamath Falls (Spanish-Language): FB: @espanol.en.klamath.falls IG: @espanolenklamathfalls
- Klamath County: FB: @KlamathCountyGov IG: @klamathcountygov
- Klamath County Public Health: FB: @KCPublicHealth IG: @klamathcountypublichealth
- Klamath Tribal Health & Family Services: FB: @KlamathTribalHealth IG: @/klamathtribalhealth
- Klamath Tribes: FB: @KlamathTribes
- Lake County: FB: @Lake-County-Oregon-100069180370649 **(NOTE: This address may or may not work)**
- Lake County Public Health: FB: @LakeCoPubHealth and/or @LakeDistrictHospitalOregon IG: @lakehealthdistrict
- Lane County: FB: @LaneCountyGovernment IG: @LaneCountyGov
- Lincoln City: FB: @CityofLincolnCity IG: @lincolncityor
- Lincoln County: FB: @profile.php?id=61562249260981 **(NOTE: This address may or may not work) |**
- Lincoln County Public Health: @LincolnPublicHealth IG: @lcph_or
- LRAPA: FB: @LaneRegionalAir IG: @laneregionalair
- Marion County: FB: @MarionCountyOR IG: @marioncounty_or
- Medford: FB: @CityofMedford IG: @cityofmedfordor
- Morrow County: FB: @MorrowCountyOregon
- Multnomah County: FB: @MultCo IG: @multnomahcounty
- Multnomah County Health Dept.: FB: MultCoHealth IG: @multcohealth
- Oakridge: FB: @oakridgeor
- Oakridge Fire & EMS: FB: @OakridgeFire IG: @oakridgefireems
- Oregon Department of Fish and Wildlife: FB: MyODFW IG: @myodfw
- Oregon Department of Forestry: FB: @oregondepartmentofforestry IG: @oregonforestry
- Oregon Department of Forestry Central Oregon District: FB: @ODFCentralOregon
- Oregon Department of Human Services: FB: @ORHumanServices IG: @orhumanservices
- Oregon Health Authority: FB: @OregonHealthAuthority IG: @oregonhealthauthority **((NOTE: Be careful! @authorityoregonhealth is not the correct account.)**
- Oregon Health Authority (Spanish-Language): FB: @OHAespanol IG: ohaespanol
- Oregon Office of Emergency Management: FB: @OregonOEM IG: @oregonoem
- Oregon State Parks: FB: @OregonStateParks IG: @oregonstateparks
- Portland (City): FB: @PortlandORGov IG: @portlandgov
- Portland (City) Bureau of Emergency Management: FB & IG: @PortlandBEM
- Portland (City) Bureau of Environmental Services: FB: @PortlandBES IG: @portlandbes
- Portland (City) Bureau of Transportation: @PBOTInfo IG: @pbotinfor
- Portland (City) Parks & Recreation: FB: @PortlandParks IG: @portlandparks
- Prineville: FB: @coprineville IG: @cityofprineville
- Umatilla Confederated Tribes: FB: @CTUIR IG: @ctuir_1855
- Umatilla County Pub. Health: FB: @umatillacountyhealth IG: @umatillahealth
- Union County Center for Human Development: FB: @chdinc.org IG: @chd_inc
- U.S. Forest Service: FB: @USForestService IG: @u.s.forestservice
- U.S. Forest Service – Deschutes National Forest: FB: @deschutesnationalforest X: @DesNatlForest