

**Weather synopsis and smoke implications:** Showers in the mountains this morning from a weak passing front. Clearing and breezy this afternoon with potential for some scattered thunderstorms, will allow for smoke levels to remain in the Good to Moderate at most sites. Inversions in the river canyons will still trap any fresh emissions off the fires in Republic and Orient. Precipitation forecasted for this weekend may not manifest, resulting in sunnier and drier weather (and more smoke) toward the weekend.

**Fire activity and smoke implications:** Despite the showery and cool conditions, fuels are drying, and smoke production off the fires may ramp up slightly today and slightly more tomorrow as a result. As fuels continue to dry, it will be possible for fire crews to resume the firing operations to secure fire perimeters. This may mean small amounts of extra smoke in areas near to these operations, such as Republic and Orient.

**Monitoring:** We are currently tracking smoke concentrations at 11 sites. No changes to the monitoring map from yesterday.

| Site          | Yesterday                          | Today            | Tomorrow        | COMMENTS  |
|---------------|------------------------------------|------------------|-----------------|---|
|               | Tuesday (09/01)                    | Wednesday (9/02) | Thursday (9/03) |   |
|               | AQI (midnight to midnight average) | Air Quality      | Air Quality     |   |
| Spokane Metro | Good                               | Good             | Good            | Hourly values are still in the Good range, and most of the daytime values should remain that way through Wednesday. Omak will see some moderate levels of smoke early in the mornings and then progress back to the Good category during the rest of the day. |
| Davenport     | Good                               | Good             | Good            |   |
| Colville      | Good                               | Good             | Good            |   |
| Wellpinit     | Good                               | Good             | Good            |   |
| Inchelium     | Good                               | Good             | Good            |   |
| Kettle Falls  | Good                               | Good             | Good            |   |
| Omak          | Good                               | Good             | Good            |   |
| Tonasket      | Good                               | Good             | Good            |   |
| Nespelem      | Good                               | Good             | Good            |   |
| Republic      | USG                                | Moderate         | Moderate        | Hourly values will be in the lower USG range early in the morning and moving to the mostly Moderate-Good range throughout the day as the skies clear and breezes manifest. Smoke at about the same levels tomorrow.   |
| Orient        | USG                                | Moderate         | Moderate        |   |

**Disclaimer:** Fire activity and weather may change quickly, and data from monitors can lag by an hour or two, so it's prudent to check outside visually to ensure that monitoring and patterns described above match actual conditions. These predictions are based on anticipated weather and fire activity. The air quality outlook is based on data from automated instruments that have not been subjected to a quality assurance review. AQI's estimated for sites with air monitors.

### Links:

[smoke.airfire.org/monitoring](http://smoke.airfire.org/monitoring)

(select your site from the map, check the "use AQI colors" box, and remember that GMT is 7 hrs ahead of Local (PDT) time)

<http://www.netchd.org/>

<http://wasmoke.blogspot.com/>

[AirNow - http://airnow.gov/index.cfm?action=airnow.main](http://airnow.gov/index.cfm?action=airnow.main)

[Air Quality and school Activities: http://www.doh.wa.gov/Portals/1/Documents/Pubs/334-332.pdf](http://www.doh.wa.gov/Portals/1/Documents/Pubs/334-332.pdf)



| Index Levels of Health Concern              | Actions Recommended by WA Department of Ecology to Reduce Smoke Exposure  |
|---|---|
| <b>Good</b>                                 | None.   |
| <b>Moderate</b>                             | People with asthma, respiratory infection, diabetes, lung or heart disease, or have had a stroke should limit outdoor activities or do activities that take less effort, such as walking instead of running.  |
| <b>Unhealthy for Sensitive Groups - USG</b> | People with heart or lung disease Sensitive groups include people with heart or lung disease, asthma, diabetes, infants, children, adults older than 65, pregnant women, or who have had a stroke. These people should limit time spent outdoors, children and older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.  |
| <b>Unhealthy</b>                            | Everyone should limit time spent outdoors. Everyone should avoid exercising outdoors (including sports teams) and choose non-strenuous indoor activities. People with asthma, respiratory infection, diabetes, lung or heart disease, or have had a stroke should stay indoors. Infants, children, pregnant women and adults over age 65 should also stay indoors.  |
| <b>Very Unhealthy</b>                       | <p>Everyone should stay indoors, do only light activities, and keep windows closed if it is not too hot. Run air conditioners on re-circulate and close the outside air intake. Use indoor air cleaners with HEPA filters, if available. If you must be outdoors, wear an N-95 respirator mask. People with chronic diseases should check with their health care provider before wearing a mask.</p> <p>Check with your local health department for health information. People with asthma, lung and heart disease, or have had a stroke should check with their health care provider for advice about leaving the area. Anyone with shortness of breath, wheezing, chest pain, heart palpitations, extreme fatigue, or difficulty moving or speaking should call their health care provider or call 911.</p> |
| <b>Hazardous</b>                            | <p>Everyone should stay indoors, do only light activities, and keep windows closed if it is not too hot. Run air conditioners on re-circulate and close the outside air intake. Use indoor air cleaners with HEPA filters, if available. If you must be outdoors, wear an N-95 respirator mask. People with chronic diseases should check with their health care provider before wearing a mask.</p> <p>Check with your local health department for health information. People with asthma, lung and heart disease, or have had a stroke should check with their health care provider for advice about leaving the area. Anyone with shortness of breath, wheezing, chest pain, heart palpitations, extreme fatigue, or difficulty moving or speaking should call their health care provider or call 911.</p> |