

# CCCCD AQI-Based Decision-Making Matrix for Wildfire Smoke Events

Levels of Health Concern	Current PM2.5 AQI Value	Who is Affected?	Outdoor Workers/Volunteers	Indoor Classes	Campus Operations	Athletics	College Events	Early Child Care Center/ College Programs
Good	0-50	None expected	No Action Anticipated	No Action Anticipated	No Action Anticipated	No Action Anticipated	No Action Anticipated	No Action Anticipated
Moderate	51-100	Unusually Sensitive Individuals (people with lung and heart disease) may be affected.	<ul style="list-style-type: none"> <li>Unusually sensitive people may require work accommodations.</li> </ul>	No Action Anticipated	No Action Anticipated	No Action Anticipated	No Action Anticipated	No Action Anticipated
Unhealthy for Sensitive Groups	101-150	Sensitive groups including people with heart or lung disease, older adults, pregnant women, and children.	<ul style="list-style-type: none"> <li>Workers in sensitive groups may require work accommodations.</li> </ul>	No Action Anticipated	<ul style="list-style-type: none"> <li>Consider closing building doors and windows to reduce outdoor air intake.</li> </ul>	<ul style="list-style-type: none"> <li><b>Athletic staff should consult with individuals who fall into the sensitive groups about participation in practice, competition, and/or outdoor events.</b></li> </ul>	<ul style="list-style-type: none"> <li>At higher end of range, consider moving activities indoors.</li> </ul>	<ul style="list-style-type: none"> <li>For longer activities such as athletic practice, take more breaks and do less intense activities.</li> </ul>
Unhealthy	151-200	Everyone	<ul style="list-style-type: none"> <li><b>Limit outdoor work and prolonged or heavy exertion if practicable.</b></li> <li><b>Reassign employees who work outdoors for more than one hour or provide N95 respirators for voluntary use.</b></li> </ul>	<ul style="list-style-type: none"> <li>Consider academic accommodations for students and faculty with pre-existing health conditions.</li> <li>Consider cancelling or moving outdoor classes indoors.</li> </ul>	<ul style="list-style-type: none"> <li>Consider making N95 respirators and use/care guidance available for voluntary use.</li> <li>As feasible, modify filtered mechanical ventilation systems to reduce outdoor air intake.</li> </ul>	<ul style="list-style-type: none"> <li>Athletic training staff should closely monitor the health of all athletes in practice and competition. Modifications to athletic activities should be considered and implemented as necessary, including cancellation.</li> <li><b>Shorten/modify outdoor recreational activity to limit prolonged or heavy exertion.</b></li> </ul>	<ul style="list-style-type: none"> <li>Consider cancellation of more intense outdoor events or move events indoors.</li> </ul>	<ul style="list-style-type: none"> <li><b>Keep children indoors.</b></li> </ul>
Very Unhealthy	201-300	Everyone	<ul style="list-style-type: none"> <li><b>Suspend outdoor work. If work is absolutely necessary, provide N95 respirators for voluntary use.</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Consider cancelling or restructure classes if current AQI levels have maintained in this range and are expected to continue.</b></li> </ul>	<ul style="list-style-type: none"> <li>To the extent possible, consider curtailing campus operations.</li> <li>Consider monitoring indoor air quality and implement mitigation actions if indoor AQI is within this range.</li> </ul>	<ul style="list-style-type: none"> <li><b>Outdoor athletic activities should be moved indoors, delayed, postponed, relocated, or cancelled.</b></li> <li><b>Cancel or move indoors outdoor recreational activities.</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Cancel outdoor events.</b></li> <li>Consider cancellation of indoor events if AQI levels have maintained in this range and are expected to continue.</li> </ul>	<ul style="list-style-type: none"> <li><b>Close program if current AQI levels have maintained in this range and are expected to continue.</b></li> </ul>
Hazardous	301-500	Everyone	<ul style="list-style-type: none"> <li><b>Follow recommendations for the Very Unhealthy category.</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Follow recommendations for the Very Unhealthy category.</b></li> </ul>	<ul style="list-style-type: none"> <li>Follow recommendations for the Very Unhealthy category.</li> </ul>	<ul style="list-style-type: none"> <li><b>Cancel or move indoors all outdoor athletic events or activities.</b></li> <li>Consider cancellation of indoor events or activities based on indoor air quality measurements.</li> </ul>	<ul style="list-style-type: none"> <li><b>Cancel all outdoor events.</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Follow recommendations for the Very Unhealthy category.</b></li> </ul>
Beyond the AQI	ALL GROUPS							
	Everyone	Follow recommendations for the Hazardous Category. <ul style="list-style-type: none"> <li><b>Suspend outdoor work and activities. If outdoor work is absolutely necessary, N95 respirators are mandatory and require training and fit testing.</b></li> </ul>						

**Key characteristics:**

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- The matrix is designed for use when wildfire smoke conditions result in worsening and unhealthy air quality. It does *not* apply if there is a direct threat of wildfire and/or other significant hazard to the location, or for smog-related air quality conditions.
  - *Required actions* are in **bolded red text**. These are definitive actions that must take place when - but not before - the corresponding AQI threshold found at [AirNow.gov](https://www.airnow.gov) is met.
  - Non-bolded actions are recommended for consideration and should be implemented at the location's discretion.
  - The matrix is not a stand-alone document. It should be used in conjunction with existing local response plans, protocols, and procedures.
  - If building indoor air quality is measured at a level consistent with the AQI thresholds, applicable mitigation measures should be implemented if feasible, and required actions listed in the matrix should be taken.
  - Contractors working at CCCC locations should follow the advice of their own employers.
  - The Early Child Care Center/College Programs actions apply to CCCC managed facilities only.
  - The matrix incorporates actions required by Cal/OSHA Section 5141.1.
  - CCCC sponsored outdoor events held at off-campus locations are subject to actions associated with that location's AQI levels.
  - Actions for athletic practice and competition were based on current California Community College Athletic Association (CCCAA), and National Collegiate Athletic Association (NCAA) guidance. Decisions regarding the cancellation and/or rescheduling of athletic competitions should be made in accordance with CCCAA and NCAA. Rescheduling of athletic and recreation competitions may take place when the AQI lowers to an acceptable level.
  - Locations should ensure timely communication of AQI-based decisions and expected actions via multiple and redundant communication methods.
  - Higher AQI thresholds automatically incorporate all guidance and actions associated with lower AQI levels.
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