

AQI-Based Decision-Making Matrix

- 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 is met.
- Non-bolded actions are recommended for consideration and should be implemented at the location's discretion.
- The Chancellor/College President or Senior Leadership Group at the impacted location is responsible for decision-making and implementing measures based on the matrix.
- The matrix is not a stand-alone document. It should be used in conjunction with existing local response plans, protocols, and procedures including the *Emergency Operations Plan*.
- 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 CLPCCD locations should follow the advice of their own employers.
- The Child Development Center actions apply to CLPCCD-managed facilities only.
- The matrix incorporates actions required by Cal/OSHA Section 5141.1 including voluntary use of N95 respirators for outdoor workers at an AQI of 151-500 and mandatory N95 respiratory use, fit testing, respirator training and documentation when the AQI is above 500. At an AQI > 151, employees in buildings without filtered ventilation systems should be relocated to buildings with filtered air. If they cannot be relocated, they are subject to the actions required by Cal/OSHA Section 5141.1 where feasible.
- College 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 Community College Collegiate Athletic Association (CCCAA) guidance. Decisions regarding the cancellation and/or rescheduling of athletic competitions should be made in accordance with CCCAA. Rescheduling of athletic 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 level

Levels of Health Concern	Current PM2.5 AQI Value	Who is Affected?	Actions	
Good	0-50	None Expected	No Action Anticipated	
Moderate	51-100	Unusually Sensitive Individuals (people with lung and heart disease) may be affected.	Outdoor Workers/ Volunteers	<ul style="list-style-type: none"> Unusually sensitive people may require work accommodations.
			Academic Classes	No Action Anticipated
			Campus Operations	No Action Anticipated
			Athletics & Outdoor Rec	No Action Anticipated
			Outdoor Camps/Events	No Action Anticipated
			Early Childhood Lab School	No Action Anticipated
Unhealthy for Sensitive Groups	101-150	Sensitive groups including people with heart or lung disease, older adults, pregnant women, and children.	Outdoor Workers/ Volunteers	<ul style="list-style-type: none"> Workers in sensitive groups may require work accommodations.
			Academic Classes	No Action Anticipated
			Campus Operations	<ul style="list-style-type: none"> Consider closing building doors and windows to reduce outdoor air intake.
			Athletics & Outdoor Rec	<ul style="list-style-type: none"> Medical/athletic staff/outdoor recreation staff should consult with individuals who fall into the sensitive groups about participation in practice, competition, and/or outdoor events.
			Outdoor Camps/Events	<ul style="list-style-type: none"> At higher end of range, consider moving activities indoors.
			Early Childhood Lab School	<ul style="list-style-type: none"> For longer activities such as athletic practice, take more breaks and do less intense activities

Levels of Health Concern	Current PM2.5 AQI Value	Who is Affected?	Actions	
Unhealthy	151-200	Everyone	Outdoor Workers/ Volunteers	<ul style="list-style-type: none"> • Limit outdoor work and prolonged or heavy exertion if practicable. • Reassign employees who work outdoors for more than one hour or provide N95 respirators for voluntary use.
			Academic Classes	<ul style="list-style-type: none"> • Consider academic accommodations for students and faculty with pre-existing health conditions. • Consider cancelling or moving outdoor classes indoors.
			Campus Operations	<ul style="list-style-type: none"> • Consider making N95 respirators and use/care guidance available for voluntary use. • As feasible, modify filtered mechanical ventilation systems to reduce outdoor air intake.
			Athletics & Outdoor Rec	<p>☒ Medical/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.</p> <ul style="list-style-type: none"> • Shorten/modify outdoor recreational activity to limit prolonged or heavy exertion.
			Outdoor Camps/Events	<ul style="list-style-type: none"> • Consider cancellation of more intense outdoor events or move events indoors.
			Early Childhood Lab School	<ul style="list-style-type: none"> • For <i>all</i> outdoor activities, take more breaks and do less intense activities. • Consider moving longer or more intense activities indoors or rescheduling them to another day or time

Levels of Health Concern	Current PM2.5 AQI Value	Who is Affected?	Actions	
Very Unhealthy	201-300	Everyone	Outdoor Workers/ Volunteers	<ul style="list-style-type: none"> • Suspend outdoor work. If work is absolutely necessary, provide N95 respirators for voluntary use
			Academic Classes	<ul style="list-style-type: none"> • Per local procedures and in consultation with the divisional Academic Senate Chair or designee, cancel or restructure classes if current AQI levels have maintained in this range and are expected to continue.
			Campus Operations	<ul style="list-style-type: none"> • To the extent possible, curtail campus operations. • Consider monitoring indoor air quality and implement mitigation actions if indoor AQI is within this range.
			Athletics/Outdoor Rec	<ul style="list-style-type: none"> • Outdoor athletic activities should be moved indoors or delayed/postponed/relocated • Cancel or move indoors outdoor recreational activities.
			Outdoor Camps/Events	<ul style="list-style-type: none"> ☒ Cancel outdoor events involving activity (e.g., sports). ☒ Consider cancellation of outdoor events that do not involve activity (e.g., concerts).
			Early Childhood Lab School	<ul style="list-style-type: none"> • Close school if current AQI levels have maintained in this range and are expected to continue.

Levels of Health Concern	Current PM2.5 AQI Value	Who is Affected?	Actions	
Hazardous	301-500	Everyone	Outdoor Workers/ Volunteers	<ul style="list-style-type: none"> ● Follow recommendations for the Very Unhealthy category.
			Academic Classes	<ul style="list-style-type: none"> ● Follow recommendations for the Very Unhealthy category.
			Campus Operations	<ul style="list-style-type: none"> ● Follow recommendations for the Very Unhealthy category.
			Athletics/Outdoor Rec	<ul style="list-style-type: none"> ❓ Cancel or move indoors all outdoor athletic and recreation events/activities. ❓ Consider cancellation of indoor events/activities based on indoor air quality measurements.
			Outdoor Camps/Events	<ul style="list-style-type: none"> ❓ Cancel all outdoor events and camp activities ❓ Consider cancellation of indoor camps that require participants or families to travel to and from campus.
			Early Childhood Lab School	<ul style="list-style-type: none"> ● Follow recommendations for the Very Unhealthy category.
Beyond the AQI	> 500	Everyone	All groups	<ul style="list-style-type: none"> ❓ Follow recommendations for the Hazardous Category. ❓ Suspend outdoor work and activities. If outdoor work is absolutely necessary, N95 respirators are mandatory and require training and fit testing.