## Levels of Health Concern

<table>
<thead>
<tr>
<th>PM2.5 (24hr avg. /µg/m³)</th>
<th>Current AQI Value</th>
<th>Who is Affected</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Excellent</strong></td>
<td>0-12</td>
<td>0-50</td>
<td>Everyone</td>
</tr>
<tr>
<td><strong>Moderate</strong></td>
<td>12.1-35.4</td>
<td>51-100</td>
<td>Everyone</td>
</tr>
<tr>
<td><strong>Unhealthy for Sensitive Groups</strong></td>
<td>35.5-50.4</td>
<td>101-150</td>
<td>Everyone (sensitive groups)</td>
</tr>
<tr>
<td><strong>Unhealthy</strong></td>
<td>55.5-150.4</td>
<td>151-200</td>
<td>Everyone</td>
</tr>
<tr>
<td><strong>Very Unhealthy</strong></td>
<td>150.5-250.4</td>
<td>201-300</td>
<td>Everyone</td>
</tr>
<tr>
<td><strong>Hazardous</strong></td>
<td>250.5-500.4</td>
<td>301-500</td>
<td>Everyone</td>
</tr>
<tr>
<td><strong>Beyond the AQI</strong></td>
<td>&gt; 500.4</td>
<td>&gt; 500</td>
<td>Everyone</td>
</tr>
</tbody>
</table>

### Key characteristics:

- 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 the corresponding AQI threshold is met.
- Non-bolded actions are recommended for consideration and should be implemented at the location’s discretion.
- The matrix incorporates actions required by Cal/OSHA Section 5141.1.
- Contractors working at UC locations should follow the advice of their own employers.
- 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, Crisis Management Plan, and Continuity of Operations Plans.
- 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.
- 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, Crisis Management Plan, and Continuity of Operations Plans.
- 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.
- The Pre-K-12 actions apply to UC-managed facilities only.
- University 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 National Collegiate Athletic Association (NCAA) guidance. Decisions regarding the cancellation and/or rescheduling of athletic competitions should be made in accordance with the NCAA.
- 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.

### Tiers of Activity

- **Unusually Sensitive** (individuals with lung and heart disease) may be affected.
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### Systemwide Air Quality Protocol Working Group

September 29, 2019

University of California AQI-Based Decision-Making Matrix for Wildfire Smoke Events