<table>
<thead>
<tr>
<th>Levels of Health Concern</th>
<th>Current PM2.5 AQI Value</th>
<th>Who is Affected?</th>
<th>Actions</th>
<th>Actions</th>
<th>Actions</th>
<th>Actions</th>
<th>Actions</th>
<th>Actions</th>
<th>Pre-K - 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good</td>
<td>0-50</td>
<td>None expected</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
</tr>
<tr>
<td>Moderate</td>
<td>51-100</td>
<td>Unusually sensitive individuals</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>In patient care areas, consider modifying filtered mechanical ventilation systems and/or implementing other controls to reduce outdoor air intake.</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td></td>
</tr>
<tr>
<td>Unhealthy for Sensitive Groups</td>
<td>101-150</td>
<td>Sensitive groups including people with heart or lung disease, older adults, pregnant women, and children</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>Consider closing building doors and windows to reduce outdoor air intake.</td>
<td>As feasible, modify filtered mechanical ventilation systems to reduce outdoor air intake in patient care areas.</td>
<td>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.</td>
<td>Consider cancellation of more intense outdoor events or move events indoors.</td>
<td>For all outdoor activities, take more breaks and do less intense activities.</td>
</tr>
<tr>
<td>Unhealthy</td>
<td>151-200</td>
<td>Everyone</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td>Consider making N95 respirators and use/care guidance available for voluntary use.</td>
<td>Consider making N95 respirators and use/care guidance available for voluntary use.</td>
<td>Consider making N95 respirators and use/care guidance available for voluntary use.</td>
<td>Consider cancellation of more intense outdoor events or move events indoors.</td>
<td>For all outdoor activities, take more breaks and do less intense activities.</td>
</tr>
<tr>
<td>Very Unhealthy</td>
<td>201-300</td>
<td>Everyone</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td>Cancel outdoor events involving activity (e.g., sports).</td>
<td>Consider cancellation of outdoor events that do not involve activity (e.g., concerts).</td>
</tr>
<tr>
<td>Hazardous</td>
<td>301-500</td>
<td>Everyone</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td><em>Follow recommendations for the Very Unhealthy category.</em></td>
<td>Cancel all outdoor events and camp activities.</td>
<td>Consider cancellation of indoor camps that require participants or families to travel to and from campus.</td>
</tr>
<tr>
<td>Beyond the AQI</td>
<td>&gt; 500</td>
<td>Everyone</td>
<td>No Action Anticipated</td>
<td>No Action Anticipated</td>
<td><em>Follow recommendations for the Hazardous Category.</em></td>
<td><em>Follow recommendations for the Hazardous Category.</em></td>
<td><em>Follow recommendations for the Hazardous Category.</em></td>
<td>Follow recommendations for the Very Unhealthy category.</td>
<td>Follow recommendations for the Very Unhealthy category.</td>
</tr>
</tbody>
</table>

**Actions:**
- **Good:** None expected.
- **Moderate:** Unusually sensitive individuals (people with lung and heart disease) may be affected.
- **Unhealthy for Sensitive Groups:** Workers in sensitive groups may require work accommodations.
- **Unhealthy:** All groups.
- **Very Unhealthy:** Everyone.
- **Hazardous:** Everyone.
- **Beyond the AQI:** Everyone.

**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.
- For the Very Unhealthy category: 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.
- For the Unhealthy category: Consider making N95 respirators and use/care guidance available for voluntary use. Consider making N95 respirators and use/care guidance available for voluntary use. Consider making N95 respirators and use/care guidance available for voluntary use.
- For the Good category: Follow recommendations for the Hazardous Category.
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 - 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 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.

- Contractors working at UC locations should follow the advice of their own employers.

- The Pre-K-12 actions apply to UC-managed facilities only.

- The matrix incorporates actions required by Cal/OSHA Section 5141.1.

- 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. 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.

Revision History

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>Change Made</th>
</tr>
</thead>
</table>
| 1.1     | 10/30/2019    | • Removed “PM2.5 (24hr avg; μg/m³)” column  
• Renamed “Current AQI Value” column to “Current PM2.5 AQI Value” |