SMOKE EMERGENCIES

CARPA

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AIRC
POLLUTION CONTROL OFFICER

CHRISTOPHER BROWN, AICP, AIR POLLUTION CONTROL OFFICER
Define Roles:

- Health Officer’s
- Air Pollution Control Officer’s

- Clarify responsibilities
- Provide tools to execute responsibilities
Legal Responsibilities

Health Officer

• May take any preventive measure necessary to protect the Public Health from any Public Health hazard during local emergency (H & S 101040).
• “Local Emergency” means... air pollution” (G.C. 8558).
• MHOAC functions in medical/health aspects of shelters and local emergencies (H&S 1797.153).

Air Pollution Control Officer

• Control Air Pollution from all sources other than vehicles.
• Enforce Rules & Regulations.
• A.P. Control District may, at request of ARB, provide for abatement of A.P. episodes which cause discomfort or health risk (H&S 40001).
Coordinating Roles

DATA → MESSAGE → AUDIENCE
DATA

- PM Levels
- Modeling
- Graphing
- Diurnal patterns
MESSAGE

Adverse Health Impacts
MESSAGE

adverse health impacts – Lungs
adverse health impacts – Heart
adverse health impacts – Children
adverse health impacts – Elderly
adverse health impacts – Exercise
MESSAGE

• “Is it safe to go outdoors?”
• “Is it safe to send Johnny to school?”
• “Can kids go outdoors for recess?”
• “Is it safe to hold the Homecoming Game?”
• “Will a wet bandana over my face protect me?”
• “If I wear a mask, can I take my daily run?”
• “What is the Air Quality?”
• “What do I do with the ash?”
To Audience

Press Release

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Air Pollution Control Officer

_______________________

Health Officer

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Table 3. Recommended Actions for Public Health Officials\textsuperscript{2,3}

<table>
<thead>
<tr>
<th>AQI Category (AQI Values)</th>
<th>PM2.5 or PM10 Levels (ug/m\textsuperscript{3})</th>
<th>Visibility - Arid Conditions (miles)</th>
<th>Recommended Actions</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1-3hr avg</td>
<td>8 hr avg</td>
<td>24 hr avg\textsuperscript{1}</td>
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<tr>
<td>Good (0 to 50)</td>
<td>0 - 38</td>
<td>0 - 22</td>
<td>0 - 12</td>
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<tr>
<td>Moderate (51 to 100)</td>
<td>39 - 88</td>
<td>23 - 50</td>
<td>12.1 - 35.4</td>
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<td>Unhealthy for Sensitive Groups (101 to 150)</td>
<td>89 - 138</td>
<td>51 - 79</td>
<td>35.5 - 55.4</td>
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<tr>
<td>Unhealthy (151 to 200)</td>
<td>139 - 351</td>
<td>80 - 200</td>
<td>55.5 - 150.4</td>
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<tr>
<td>Very Unhealthy (201 to 300)</td>
<td>352 - 526</td>
<td>201 - 300</td>
<td>150.5 - 250.4</td>
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<tr>
<td>Hazardous (&gt; 300)</td>
<td>&gt; 526</td>
<td>&gt; 300</td>
<td>&gt; 250.5-500</td>
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</table>
To Audience

- Press Release
- Dedicated phone line
- Website
- Facebook
- Electronic bulletin board
- Public Information Officer
Masks and Respirators
Masks and Respirators

Last Gasp After:

• Reduce activity
• Shelter indoors
• Air conditioner/Air cleaner
• “Clean air” room
• “Clean air” shelter
• Reduce travel outdoors
• Leave the area/evacuate
Questions