

**Draft Missoula County Wildfire Smoke Emergency Episode Avoidance Plan
90-Day Board Order, Adopted: 7/20/2009
Effective Date: 7/20/2009**

<u>Air Quality Categories</u>	<u>PM Level</u>	<u>Visibility Ranges</u>	<u>Health Effects</u>	<u>Cautionary Statements</u>	<u>Action</u>
Good	0-19 8-hour average 0-34 1-3 hour average	13 miles and up	None	None	None
Moderate	19-29 8-hour average 34-51 1-3 hour average	9 to 13 miles	Possible aggravation of heart or lung disease	None	None
Unhealthy for Sensitive Groups	29-51 8-hour average 51-89 1-3 hour average	5 to 9 miles	Increasing likelihood of symptoms in sensitive individuals, aggravation of heart or lung disease and premature death in persons with cardiopulmonary disease, smokers and the elderly.	People with heart or lung disease, smokers, children and the elderly should: limit prolonged exposure	None

<p>Unhealthy</p>	<p>51-115 8 hour average</p> <p>89-201 1-3 hour average</p>	<p>2.25 to 5 miles</p>	<p>Increased aggravation of heart or lung disease and premature death in persons with cardiopulmonary disease, smokers and the elderly; increased respiratory effects in general population.</p>	<p>People with heart or lung disease, smokers, children and the elderly should:</p> <ul style="list-style-type: none"> • limit heavy or prolonged exertion; and • limit time spent outdoors. <p>People with asthma should follow asthma management plan.</p> <p>People experiencing symptoms of heart or lung disease associated with smoke exposure should contact their health care provider.</p>	<p>Outdoor burning, incinerators and non-permitted stove use suspended.</p> <p>Advise industrial, commercial and construction sources to operate as cleanly as possible.</p>
<p>Very Unhealthy</p>	<p>115-195 8 hr. average</p> <p>201-339 1-3 hour average</p>	<p>1.25 to 2 miles</p>	<p>Significant aggravation of heart or lung disease and premature death in persons with cardiopulmonary disease, smokers, and the elderly; significant increase in respiratory effects in general population.</p>	<p>People with heart or lung disease, smokers, children and the elderly should</p> <ul style="list-style-type: none"> • avoid heavy or prolonged exertion; and • stay indoors when possible <p>People with asthma should follow asthma management plan.</p> <p>People experiencing symptoms of heart or lung disease associated with smoke exposure should contact their health care provider.</p> <p>Everyone else should:</p> <ul style="list-style-type: none"> • limit prolonged exertion and • limit time spent outdoors. 	<p>Outdoor burning, incinerators and non-permitted stove use suspended.</p> <p>Advise industrial, commercial and construction sources to operate as cleanly as possible</p> <p>Recommend no outdoor activity for persons under 18</p> <p>Recommend cancellation of outdoor public gatherings, especially athletic events, activities, and practices</p>

<p>Hazardous</p>	<p>195+ 8 hr. average</p> <p>339+ 1-3 hour average</p>	<p>1.25 miles or less</p>	<p>Serious aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease, smokers, and the elderly; serious risk of respiratory effects in general population.</p>	<p>People with heart or lung disease, smokers, children and the elderly should avoid any outdoor activity.</p> <p>People with asthma should follow asthma management plan.</p> <p>People experiencing symptoms of heart or lung disease associated with smoke exposure should contact their health care provider.</p> <p>Everyone else should:</p> <ul style="list-style-type: none"> • avoid heavy and prolonged exertion and • limit time spent outdoors. 	<p>Outdoor burning, incinerators and non-permitted stove use suspended.</p> <p>Advise industrial, commercial and construction sources to operate as cleanly as possible</p> <p>Recommend no outdoor activity for persons under 18</p> <p>All (indoor and outdoor) athletic events, activities and practices canceled.</p> <p>The department may also institute any of the advisories and requirements listed in the Missoula County Air Stagnation Plan, if deemed necessary to protect public health.</p>
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During wildfire events, the measurements from the PM₁₀ monitors are assumed to consist of 100% PM_{2.5} for the purpose of the health descriptors.

This plan has been devised with the understanding that smoke from wildfires overwhelms any other sources of air pollution. If other sources are determined by the Department to be significant contributors to the air pollution levels, the Department may institute any of the applicable requirements and advisories listed in the Missoula City-County Air Pollution Control Program, Chapter 4, "Missoula County Air Stagnation and Emergency Episode Avoidance Plan."