

Levels of Health Concern from Smoke (PM 2.5) or Dust (PM10) in the Air

Level of Health Concern	Hourly Concentration ($\mu\text{g}/\text{m}^3$)		Daily Concentration ($\mu\text{g}/\text{m}^3$)		Great Basin Unified Air Pollution Control District Health Advisory	Cautionary Statement	Health Effects Statement
	PM _{2.5}	PM ₁₀	PM _{2.5}	PM ₁₀			
Good	0-38	0-171	0-12	0-54	None.	None.	Air quality is considered to be satisfactory, and air pollution poses little or no risk.
Moderate	39-88	172-383	12.1-35.4	55-154	None.	Unusually sensitive people should consider reducing prolonged or heavy exertion.	Air quality is acceptable; however, for some pollutants there may be moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	89-138	384-633	35.5-55.4	155-254	Stage 1 Air Pollution Health Advisory issued when hourly PM _{2.5} reaches 100 $\mu\text{g}/\text{m}^3$ or when hourly PM ₁₀ reaches 400 $\mu\text{g}/\text{m}^3$	Health Alert: People with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion. The general public is not likely to be effected.	Increased likelihood of respiratory symptoms in sensitive individuals, aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly.

Unhealthy	139-351	634-826	55.5-150.4	255-354	Stage 2 Air Pollution Health Advisory issued when hourly PM _{2.5} reaches 200 µg/m ³ or when hourly PM ₁₀ reaches 800 µg/m ³	Health Alert: Everyone may begin to experience health effects; people with heart or lung disease, older adults, and children should avoid prolonged or heavy exertion.	Increased aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; increased respiratory effects in the general population.
Very Unhealthy	352-526	827-891	150.5-250.4	355-424	Stage 2 Air Pollution Health Advisory	Health Alert: People with heart or lung disease, older adults, and children should avoid all physical activity outdoors. Everyone else should avoid prolonged or heavy exertion.	Significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; significant increase in respiratory effects in the general population.
Hazardous	527+	892+	250.5+	425+	Stage 2 Air Pollution Health Advisory	Health Warning of Emergency Conditions: Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly, and children should remain indoors.	Significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; significant increase in respiratory effects in the general population.

