



## Comparison of PM<sub>2.5</sub> Concentrations for Proposed DEC Episode Levels to Air Quality Index (AQI) Levels

AQI Level	EPA AQI Range (no unit)	EPA AQI 24-Hr PM <sub>2.5</sub> Levels (µg/m <sup>3</sup> )	DEC Proposed 24-Hour PM <sub>2.5</sub> Episode Levels (µg/m <sup>3</sup> )	AQI Cautionary Statements	AQI Descriptive Statements of the AQI Categories
<b>Good</b>	0-50	0-12.0			
<b>Moderate</b>	51-100	12.1-35.4			
<b>Unhealthy for Sensitive Groups</b>	101-150	35.5-55.4	35.0 Alert	People with respiratory or heart disease, the elderly and children should limit prolonged exertion.	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
<b>Unhealthy</b>	151-200	55.5-150.4		People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.	Everyone may begin to experience some adverse health effects, and members of the sensitive groups may experience more serious effects.
<b>Very Unhealthy</b>	201-300	150.5-250.4		People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion.	Health Alert: Everyone may experience more serious health effects.
<b>Hazardous 1</b>	301-400	250.5-350.4	251.0 Warning	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.	Health warnings of emergency conditions. The entire population is more likely to be affected.
<b>Hazardous 2</b>	401-500	350.5-500	351.0 Emergency		



[www.dec.alaska.gov/air](http://www.dec.alaska.gov/air)