

Alaska Department of Environmental Conservation

Division of Air Quality



Comparison of PM_{2.5} Concentrations for Proposed DEC Episode Levels to Air Quality Index (AQI) Levels

| AQI Level | EPA AQI Range (no unit) | EPA AQI 24-Hr PM _{2.5} Levels (µg/m ³) | DEC Proposed 24-Hour PM _{2.5} Episode Levels (µg/m ³) | AQI Cautionary Statements | AQI Descriptive Statements of the AQI Categories |
|---------------------------------------|-------------------------|---|--|--|--|
| Good | 0-50 | 0-12.0 | | | |
| Moderate | 51-100 | 12.1-35.4 | | | |
| Unhealthy for Sensitive Groups | 101-150 | 35.5-55.4 | 35-55 Advisory | 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. |
| Unhealthy | 151-200 | 55.5-150.4 | 56 Alert | 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. |
| Very Unhealthy | 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. |
| Hazardous 1 | 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. |
| Hazardous 2 | 401-500 | 350.5-500 | 351.0 Emergency | | |



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