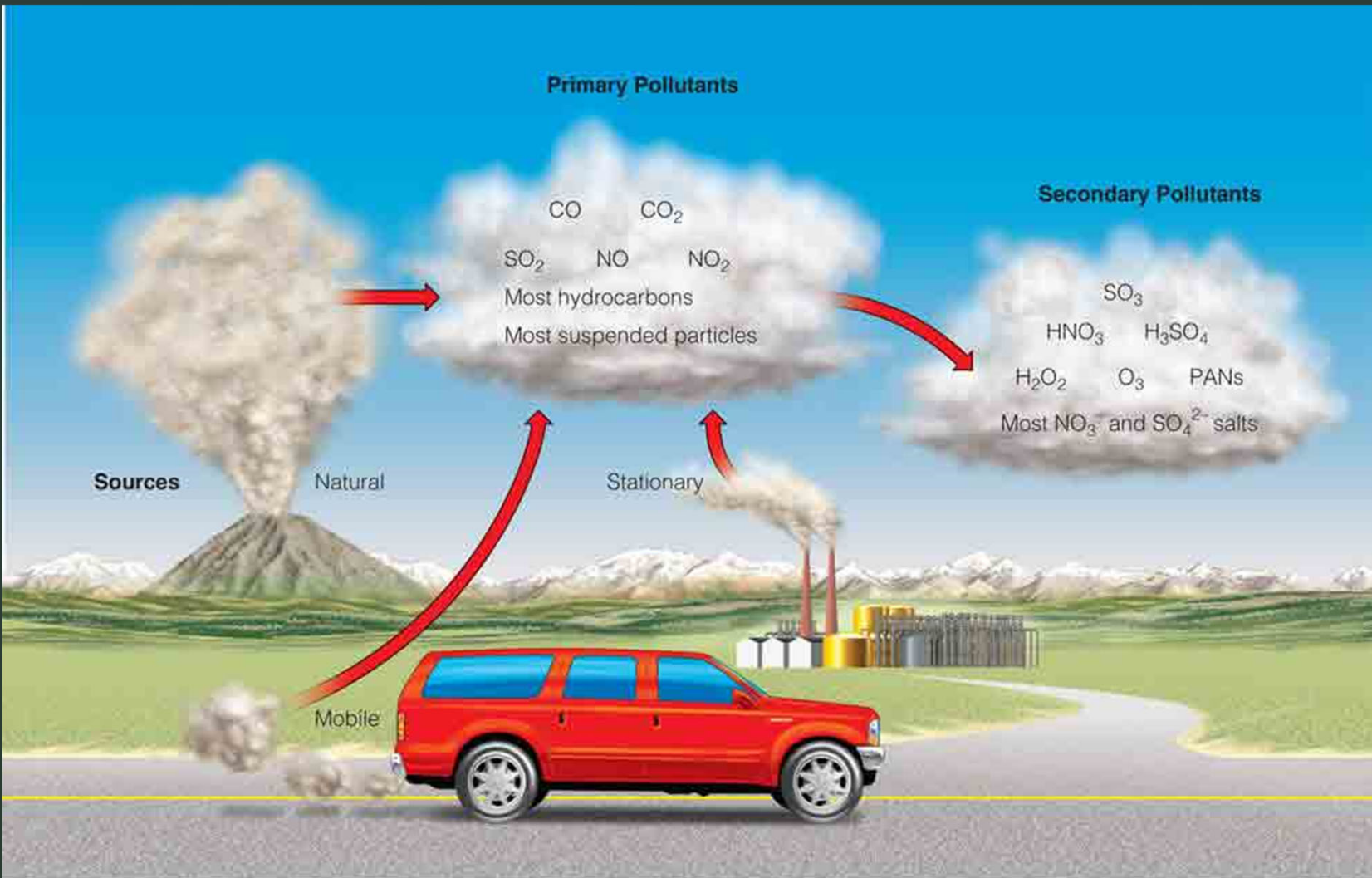


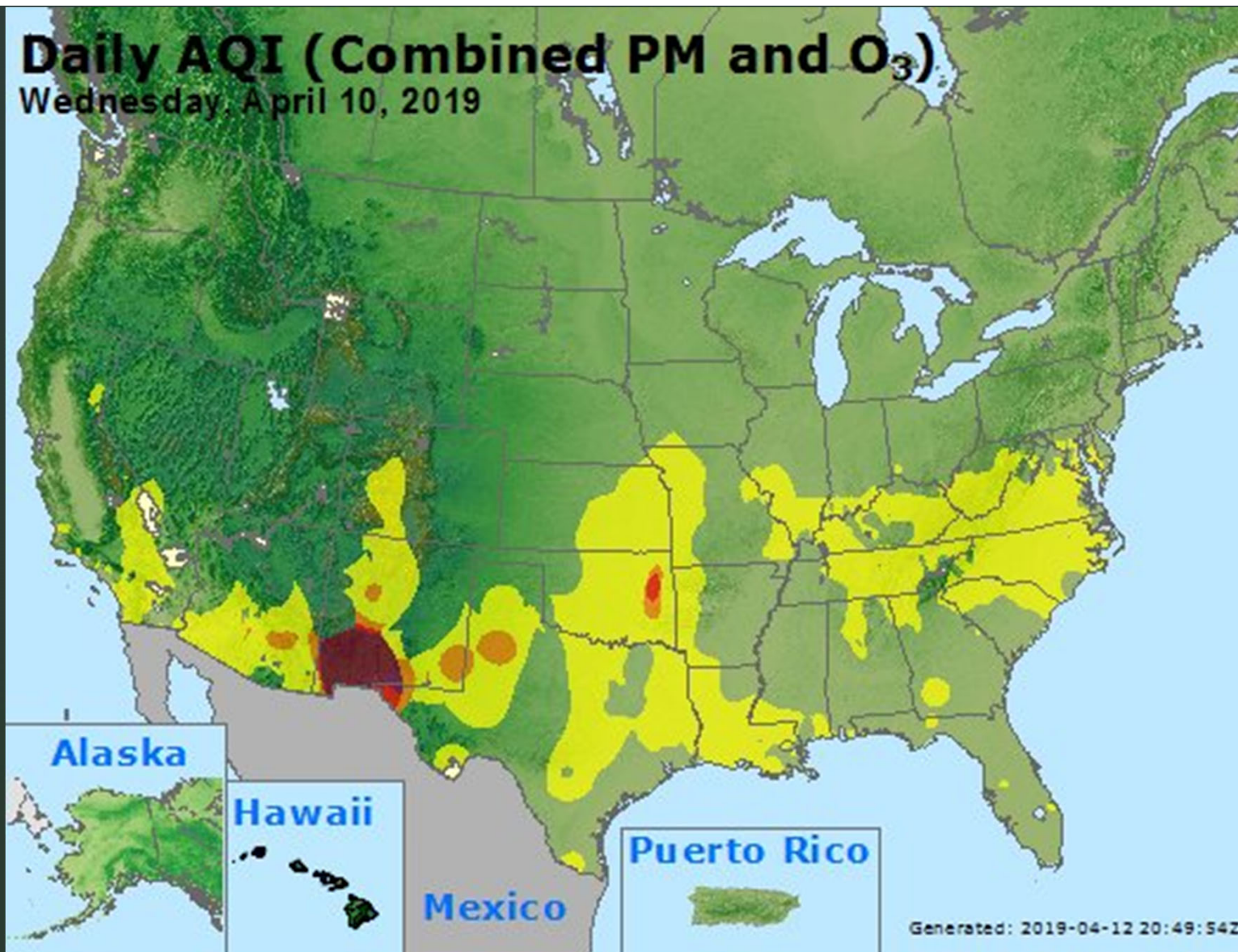
Primary vs. Secondary Pollutants

- A **primary pollutant** is an air pollutant emitted directly from a source.
- A **secondary pollutant** is not directly emitted as such, but forms when other pollutants (primary pollutants) react in the atmosphere.



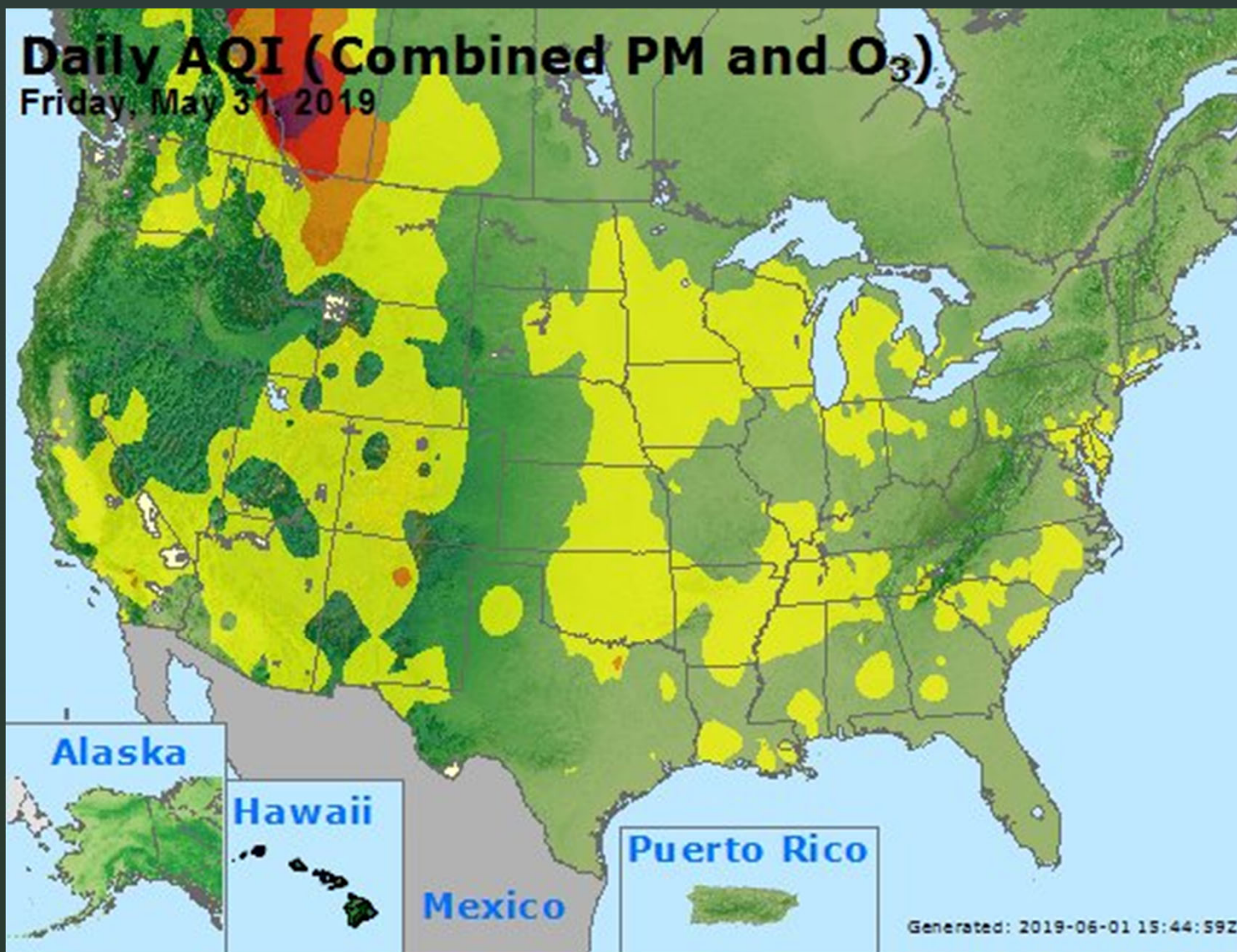
Daily AQI (Combined PM and O₃)

Wednesday, April 10, 2019



Daily AQI (Combined PM and O₃)

Friday, May 31, 2019



Alaska

Hawaii

Mexico

Puerto Rico

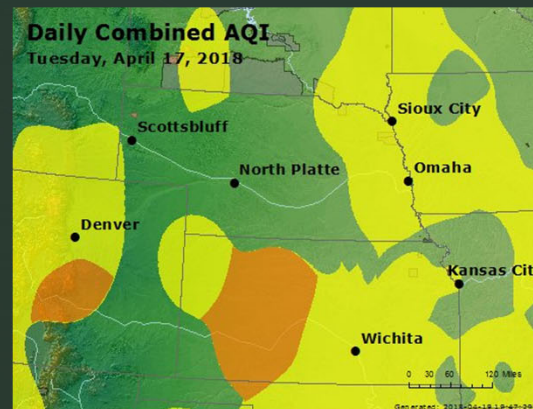
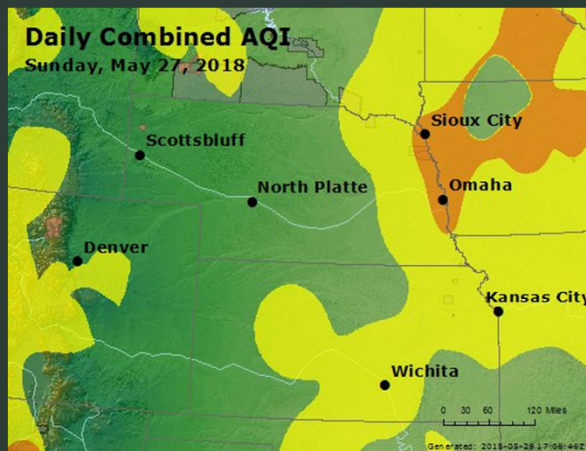
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Smoke from controlled burns in Kansas pushing into southeast Nebraska

By Julie Anderson and Jay Withrow World-Herald staff writers Apr 11, 2018

Health department issues air quality advisory

Lincoln Journal Star Apr 6, 2019



The AQI is now coded orange, which means the air quality is unhealthy for individuals with higher sensitivity to air pollution.

Air Quality Index (AQI)

Air Quality Index		
Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	100 to 151	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	301 to 500	Health alert: everyone may experience more serious health effects.