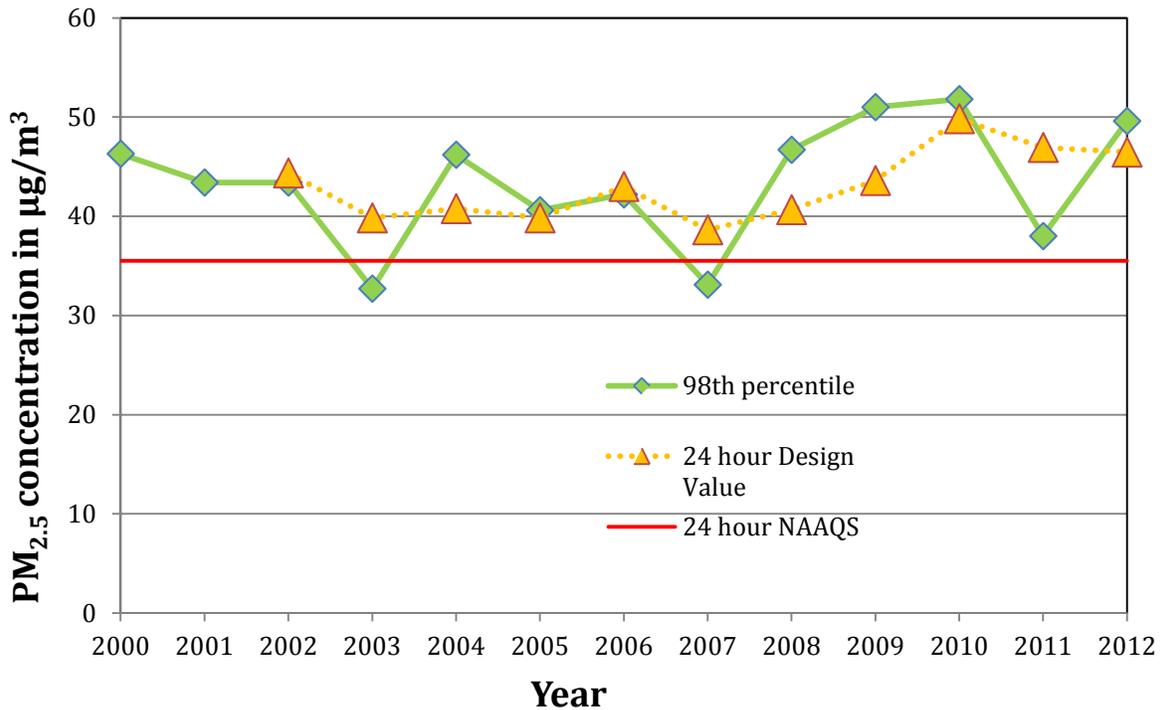


Alaska Department of Environmental Conservation

Division of Air Quality

PM_{2.5} Design Value Trends



Glossary

- NAAQS** National Ambient Air Quality Standard <http://www.epa.gov/ttn/naaqs/>
- µg** One-millionth of a gram
- 98th Percentile** The daily value out of a year of PM_{2.5} monitoring data below which 98 percent of all daily values fall. http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/Title40/40cfr50_main_02.tpl
- Compliance with PM_{2.5} NAAQS** 24-Hour NAAQS: 98th percentile, averaged over 3 years, must be below the standard
Annual NAAQS: Annual arithmetic mean, averaged over 3 years, must be below the standard.
- 24 hour-Design Value (DV)** 3 year average of the 98th percentile value. An area is in violation of the NAAQS when the Design Values is greater than the 24 hour NAAQS for PM_{2.5}, which is currently set at 35 µg/m³.

PM _{2.5} NAAQS Values		1997 - 2006	2006 - 2012	2012 - current
	24-hour		65 µg/m ³	35 µg/m ³
Annual		15 µg/m ³	15 µg/m ³	12 µg/m ³

