



# U.S. EPA REGION 8

## FOUR CORNERS AIR QUALITY UPDATE



### EPA's Methane Strategy for the Oil and Natural Gas Industry

- Will help combat climate change.
- Will reduce GHG emissions, specifically methane.
- Will reduce air pollution that harms public health.
- Will reduce emissions of smog-forming VOCs.
- Will provide certainty for industry and permitting authorities about CAA requirements.

Building on the **2012 New Source Performance Standards** for VOC emissions from Oil & Gas: sets new methane and VOC requirements for additional new and modified sources in the oil and gas industry.

**VOC emissions:** Draft Control Technique Guidelines for reducing emissions from existing sources in certain ozone nonattainment areas.

**Air Permitting Rules:** Clarifies agency's air rules as they apply to the oil and gas industry, and proposed Federal Implementation Plan to implement minor New Source Review permitting in Indian Country.

### Revised Ozone NAAQS

- The Clean Air Act charges the EPA Administrator to set primary standards that are requisite to protect public health with an adequate margin of safety.
- Clinical studies and evidence have expanded significantly since EPA last reviewed the ozone standards in 2008.
- New clinical studies show that ozone at 72 ppb can be harmful to healthy, exercising adults.
- Based on the science, the Administrator determined that the 2008 standard was not adequate to protect public health.
- Revised standard of 70 ppb:
  - Requisite to protect public health with an adequate margin of safety.
  - Is below the level shown to cause adverse health effects in clinical studies.
  - Eliminates exposures shown to cause adverse health effects, protecting 99.5% of children from even single exposures to ozone at 70 ppb.

Four Corners Monitors Ozone Design Value History									
Years	Ute 1	Ute 3	Shamrock	Mesa Verde	Cortez	Bloomfield	Shiprock Substation	Navajo Dam	Dine College
2003-2005		0.062	<b>0.071</b>	0.07		<b>0.072</b>	<b>0.072</b>		
2004-2006		0.063	<b>0.072</b>	<b>0.073</b>		0.068	0.07		
2005-2007		0.066	<b>0.072</b>	<b>0.073</b>		0.069	<b>0.072</b>		
2006-2008		0.067	<b>0.07</b>	<b>0.071</b>		0.065	<b>0.071</b>	<b>0.075</b>	
2007-2009	0.063	0.068	0.069	0.069		0.061	0.067	0.069	
2008-2010	0.066	0.066	<b>0.071</b>	0.068	0.064	0.06	0.063	0.066	
2009-2011	0.068	0.067	<b>0.074</b>	0.068	0.066	0.061	0.063	0.068	
2010-2012	0.069	0.068	<b>0.073</b>	0.068	0.068	0.067	0.067	<b>0.071</b>	0.067
2011-2013	0.069	0.068	<b>0.072</b>	0.069	0.068	0.068	0.068	<b>0.071</b>	0.065
2012-2014	0.067	0.067	0.068	0.067	0.065	0.067	0.066	0.068	
2013-2015	0.068	0.066	0.068	0.066	0.062	0.064	0.063	0.067	

2015 Final  
Ozone  
Standards

Primary: 70 ppb

Secondary: 70 ppb

For more information contact Jody Ostendorf, EPA Region 8, [ostendorf.jody@epa.gov](mailto:ostendorf.jody@epa.gov)