



Overview of Regulatory Drivers for Western Photochemical Modeling

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U.S. EPA/OAQPS

Western Meteorological, Emissions, and Air Quality Modeling Workshop
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Current Schedule for NAAQS Reviews (May 2011)

MILESTONE	POLLUTANT							
	NO ₂ Primary	SO ₂ Primary	Ozone Reconsideration	CO	NO ₂ /SO ₂ Secondary	PM	Ozone	Lead
NPR	<u>June 26, 2009</u>	<u>Nov 16, 2009</u>	Jan 6, 2010	<u>Jan 28, 2011</u>	<u>July 12, 2011</u>	July 29, 2011	Sept 2013	Jan 2014
NFR	<u>Jan 22, 2010</u>	<u>June 2, 2010</u>	July 29, 2011	<u>Aug 12, 2011</u>	<u>March 20, 2012</u>	April 2012	June 2014	Nov 2014

NOTE:

Underlined dates indicate court-ordered or settlement agreement deadlines

For more information see: <http://epa.gov/ttn/naaqs/>

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NAAQS, Designations, and SIP Implementation Contacts

Updated 3-11-2011

Pollutant*	NAAQS Signature**	Designations Signature	NAAQS Contact	Designations Contact	SIP Implementation Contact
PM _{2.5} 24-hour	F: Sep 21, 2006	Oct 8, 2009	1° Beth Hassett-Sipple x 4605 2° Vicki Sandiford x 2629	Beth Palma x 5432	Rich Damberg x 5592
Pb	F: Oct 15, 2008	Oct 2010/2011 (2 rounds)	1° Deirdre Murphy x 0729 2° Ginger Tennant x 4072	Rhonda Wright x 1087	Mia South x 5550
NO ₂ Primary	F: Jan 22, 2010	Jan 2012	Scott Jenkins x 1167	Valerie Broadwell x 3310	Mia South x 5550
SO ₂ Primary	F: Jun 2, 2010	Jun 2012	Michael Stewart x 7524	Valerie Broadwell x 3310	Larry Wallace x 0906
Ozone Reconsideration	P: Jan 6, 2010 F: Jul 29, 2011	TBD	1° Susan Stone x 1146 2° Vicki Sandiford x 2629	Carla Oldham x 3347	Karl Pepple x 2683 Butch Stackhouse x 5208
CO	P: <u>Jan 28, 2011</u> F: <u>Aug 12, 2011</u>	Aug 2013	Deirdre Murphy x 0729	Tom Rosendahl x 5314	Larry Wallace x 0906
PM	P: Mid 2011 F: Early 2012	2014	1° PM2.5 Beth H-S x 4605 1° PM-10 Scott J. x 1167 2° Vicki Sandiford x 2629	Beth Palma x 5432	PM2.5 Rich Damberg x 5592 PM-10 Larry Wallace x 0906
NO ₂ /SO ₂ Secondary	P: <u>Jul 12, 2011</u> F: <u>Mar 20, 2012</u>	Mar 2014	Richard Scheffe x 4650	Todd Hawes x 5591	Kristin Riha X 2031

Other GSG Designations Contacts (All NAAQS)

Technical: Tom Rosendahl x 5314
 Doug Solomon x 4132
 Exceptional Events: Beth Palma x 5432
 Tribal: Kristin Riha x 2031

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*Primary and secondary unless otherwise noted.

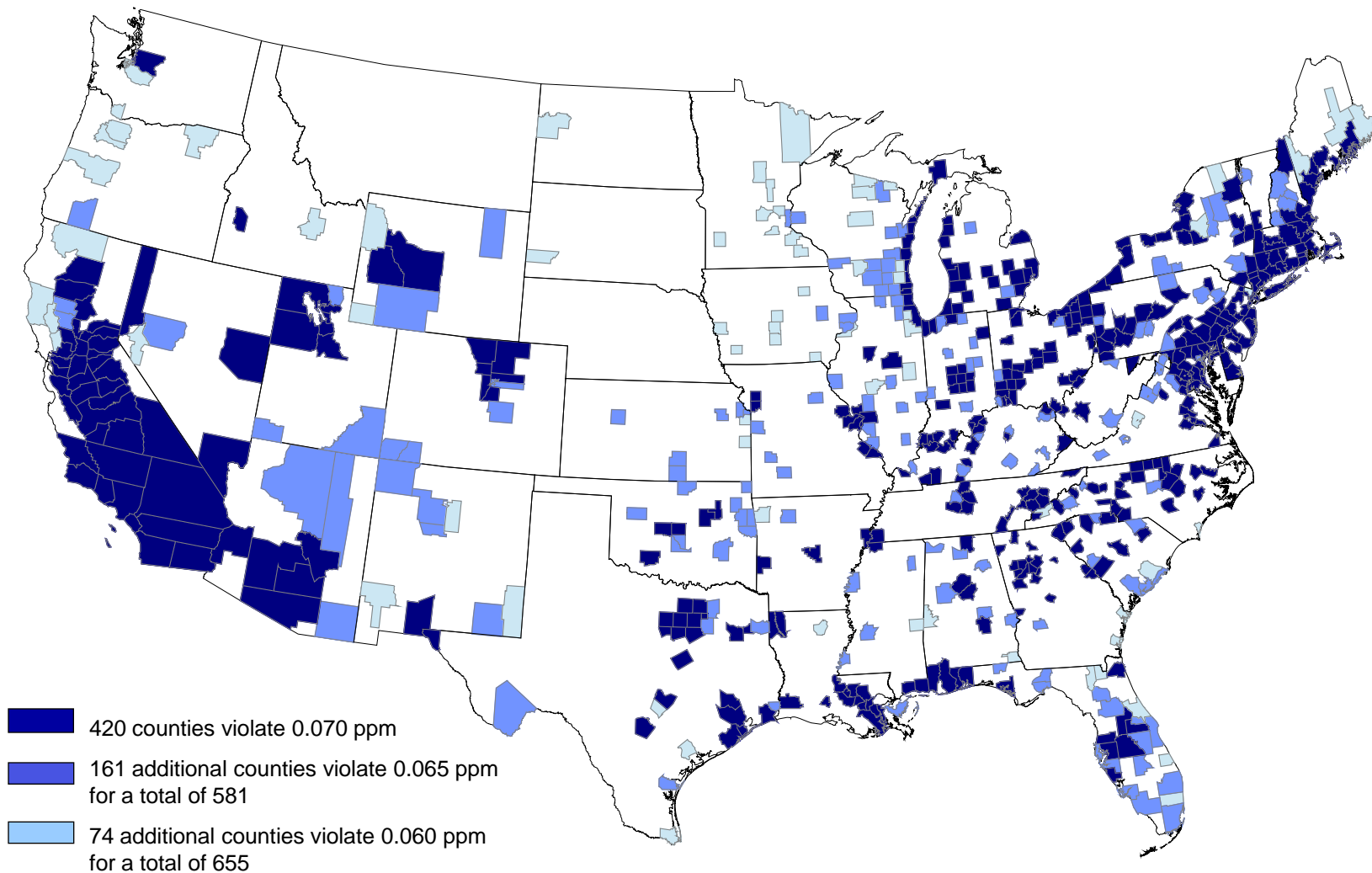
** Underlined dates indicate court-ordered or settlement agreement deadlines

Counties With Monitors Violating Proposed Primary 8-hour Ground-level Ozone Standards

0.060 - 0.070 parts per million

(Based on 2007 – 2009 Air Quality Data)

EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.



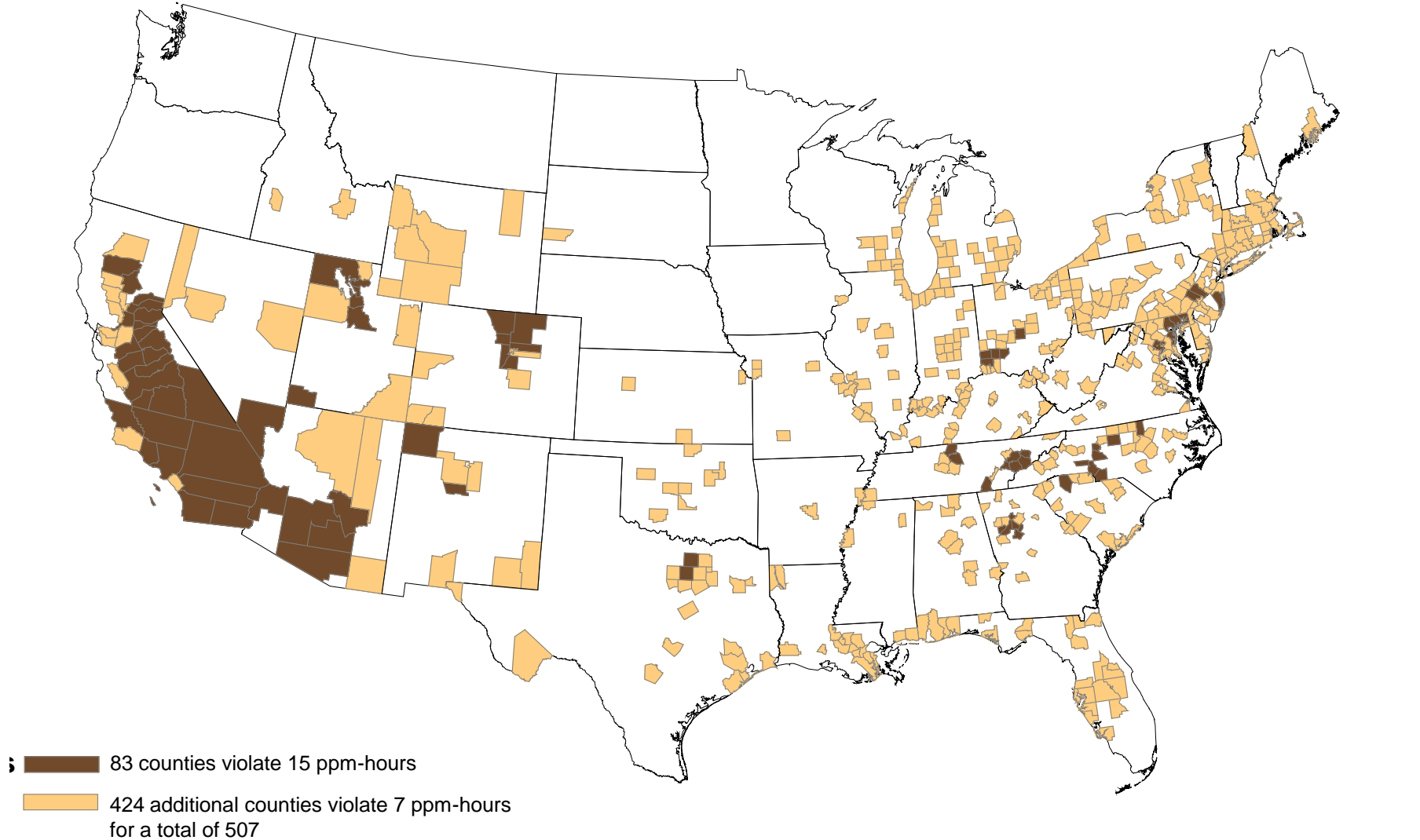
Notes:

1. No monitored counties outside the continental U.S. violate.
2. EPA is proposing to determine compliance with a revised primary ozone standard by rounding the 3-year average to three decimal places.

Counties With Monitors Violating Proposed Secondary Seasonal Ground-Level Ozone Standards 7 – 15 parts per million - hours

(Based on 2007 – 2009 Air Quality Data)

EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.



No monitored counties outside the continental U.S. violate.



Additional counties that would be nonattainment for a W126 secondary standard compared to alternative primary standards
(based on 2007-2009 data)

	7 ppm-hours	15 ppm-hours	21 ppm-hours
0.060 ppm	3	0	0
0.065 ppm	11	0	0
0.070 ppm	112	3	0



Regional Haze

- We do not expect to issue formal guidance on 5-year reviews
 - Regions will work with States as needed to clarify expectations
- Need to fully satisfy RH rule requirements (51.308(f) and 51.308(g))
 - Comprehensive SIP revision due July 31, 2018 with revised reasonable progress goals, if necessary
 - We are interested in your ideas on possible changes in the rule or the guidance
 - Consistent with recent EO encouraging federal agencies to “look bak” at current rules
- Point of contact: Todd Hawes (x5591)



Federal Rule EPA Modeling

- Final Transport Rule 1—June 2011
 - 1997 O3 and 2006 PM standards
- Proposed Tier 3 Standards—December 2011
 - Mobile source reductions for new O3 standard
- Final Mercury and Air Toxics Rule—November 2011
- Proposed Transport Rule 2
 - Address nationwide interstate transport for new O3 standard
- Final PM NAAQS—2012
- Transport Rule 3????
 - Address nationwide interstate transport for new PM std if necessary



Additional Drivers

- 110(a)(2)(d) for 2006 PM_{2.5} NAAQS
 - Pointing to existing guidance (Harnett, Sept 29, 2009)
 - Work with Regional Offices on technical analysis needs
- NEPA
 - MOU between EPA and FLMs on AQ analysis for oil and gas development on Federal Lands
- PSD Permitting
 - Sierra Club NOI on designating photochemical models under Appendix W
 - PM_{2.5} Permit modeling guidance by Fall 2011 (O₃ too?)



Contact Information

- For follow-up questions, contact:

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Air Quality Modeling Group

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