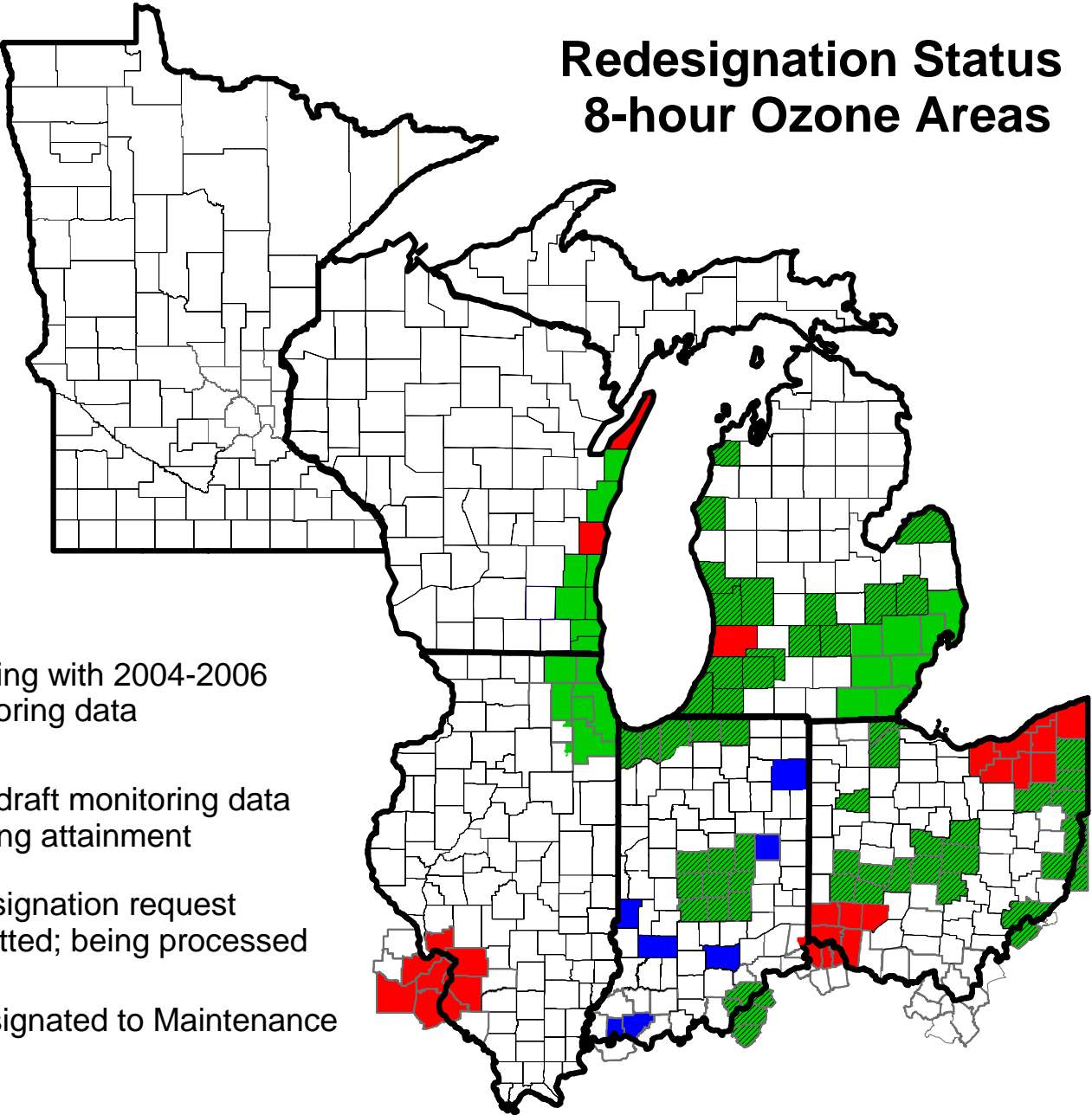


Redesignation Activities for Ozone and Designations for New PM_{2.5} Standard

John Mooney, Chief
Criteria Pollutant Section
U.S. EPA – Region 5

Redesignation Status 8-hour Ozone Areas



EPA's PM Standards: Old (1997) and New (2006)




	1997 Standards		2006 Standards	
	Annual	24-hour	Annual	24-hour
PM2.5 (Fine)	15 $\mu\text{g}/\text{m}^3$ Annual arithmetic mean, averaged over 3 years	65 $\mu\text{g}/\text{m}^3$ 98 th percentile, averaged over 3 years	15 $\mu\text{g}/\text{m}^3$ Annual arithmetic mean, averaged over 3 years	35 $\mu\text{g}/\text{m}^3$ 98 th percentile, averaged over 3 years
PM10 (Coarse)	50 $\mu\text{g}/\text{m}^3$ Annual average	150 $\mu\text{g}/\text{m}^3$ 24-hr average (one expected exceedance)	Revoked	150 $\mu\text{g}/\text{m}^3$ 24-hr average (one expected exceedance)

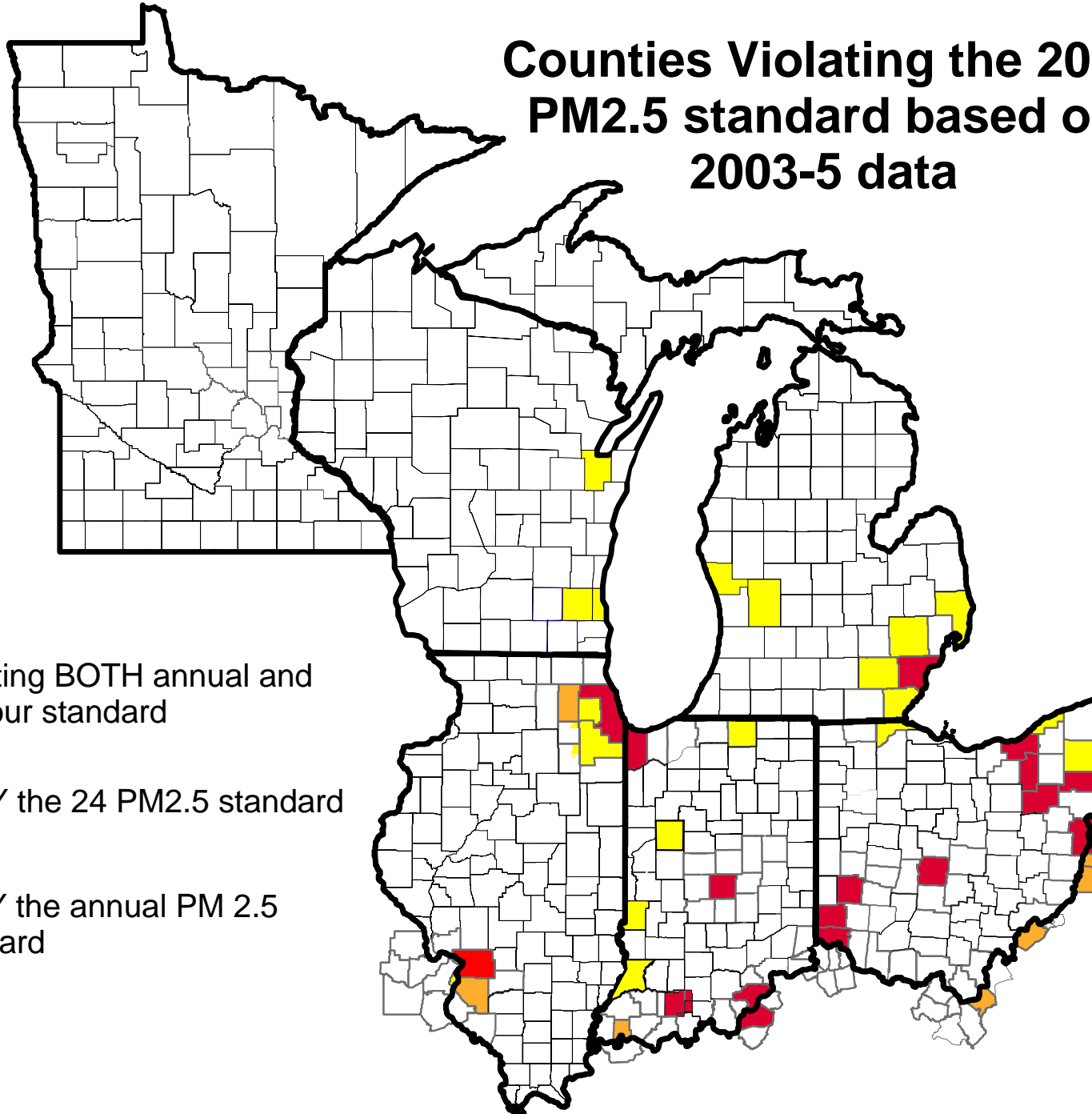
Attainment for the 2006 PM_{2.5} National Ambient Air Quality Standard

- **New PM_{2.5} NAAQS**




- **October 2006** – New standard final for PM_{2.5} standard (15/35).
- **October 2007** – States' recommendations for designations due.
- **October 2008** – EPA makes final designations.
- **October 2011** – SIPs due for new PM_{2.5} standard (15/35).

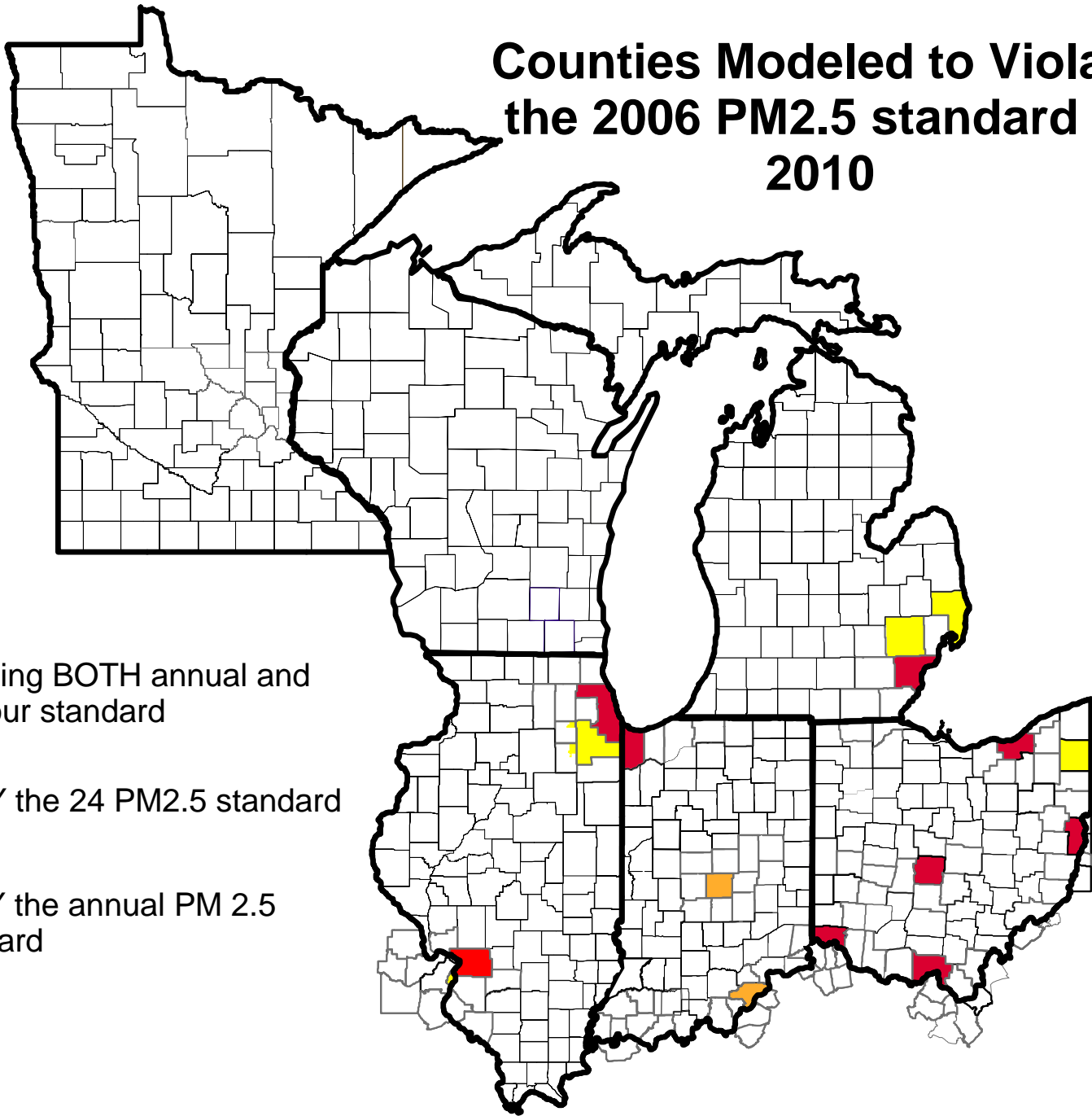
Counties Violating the 2006 PM2.5 standard based on 2003-5 data

-  Violating BOTH annual and 24-hour standard
-  ONLY the 24 PM2.5 standard
-  ONLY the annual PM 2.5 standard






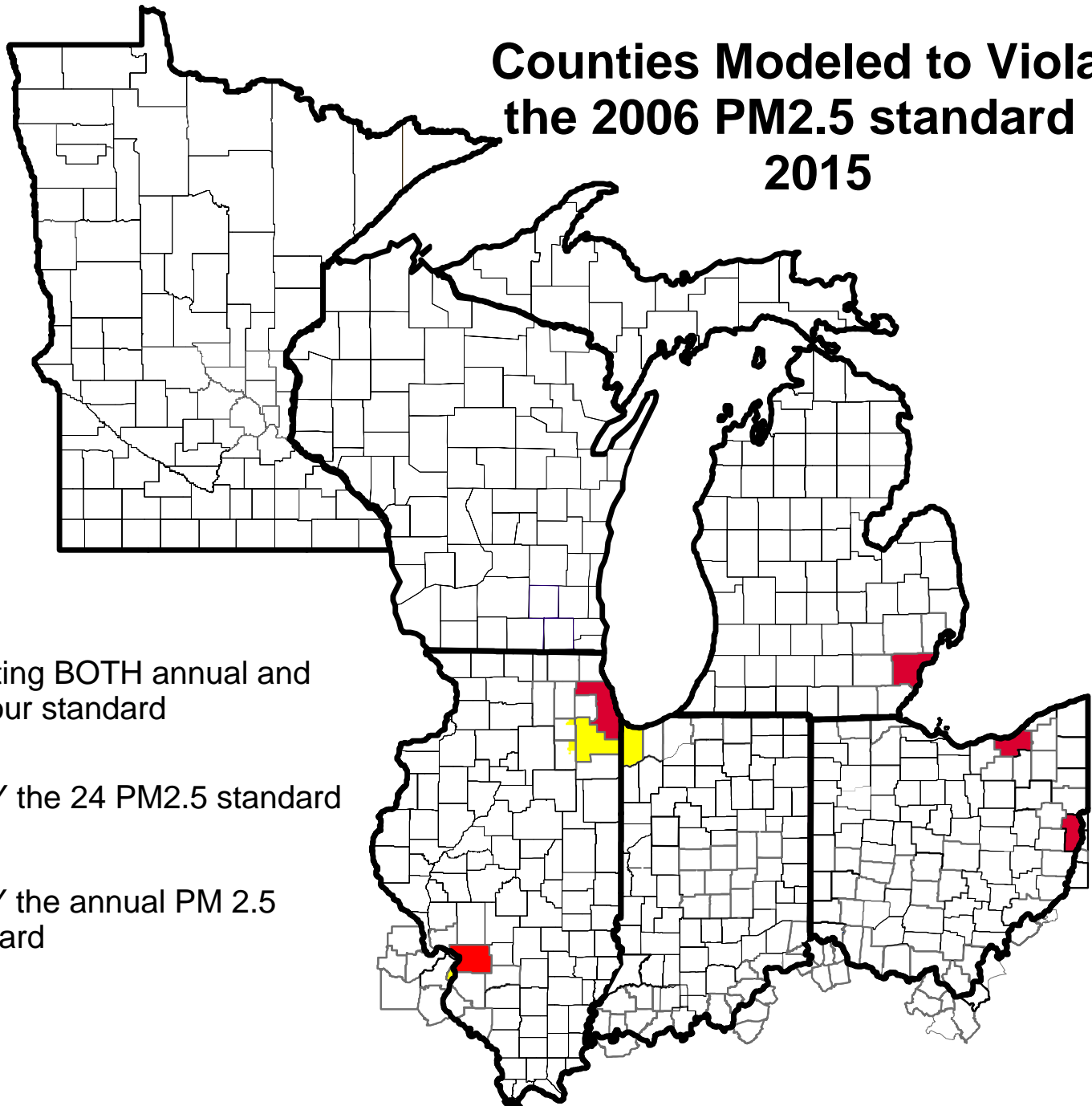
Counties Modeled to Violate the 2006 PM_{2.5} standard in 2010

-  Violating BOTH annual and 24-hour standard
-  ONLY the 24 PM_{2.5} standard
-  ONLY the annual PM 2.5 standard






Counties Modeled to Violate the 2006 PM_{2.5} standard in 2015

-  Violating BOTH annual and 24-hour standard
-  ONLY the 24 PM_{2.5} standard
-  ONLY the annual PM 2.5 standard



Counties Modeled to Violate the 2006 PM_{2.5} standard in 2020

-  Violating BOTH annual and 24-hour standard
-  ONLY the 24 PM_{2.5} standard
-  ONLY the annual PM 2.5 standard

