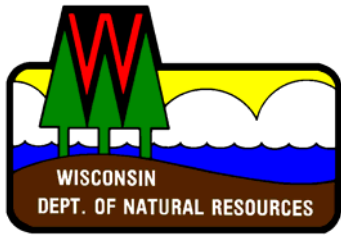


Regional Air Quality Update WI DNR – Air Management

John H. Melby, Jr. – Bureau Director

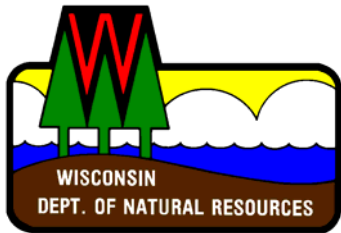
*LADCO Regional Air Quality Meeting
October 26, 2010*



Discussion Topics

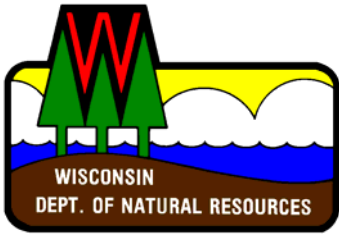
Regional Pollutant Regulatory Updates

- ◆ Base Emission Levels (NO_x and SO₂)
- ◆ Ozone
- ◆ Fine-Particles
- ◆ Haze
- ◆ On-the-Radar : NO₂ and SO₂
- ◆ MACT
- ◆ Inventories & Transportation Conformity



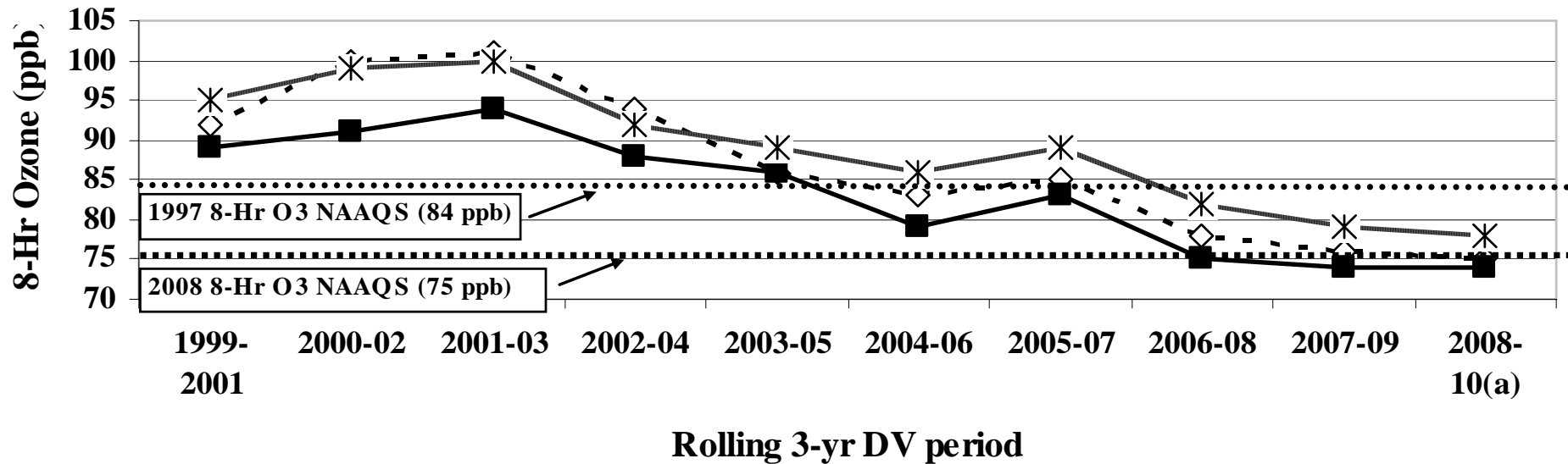
Ozone

- ◆ 1997 8-Hour Standard
 - Redesignation Submitted for remaining areas – update for delayed VOC RACT rules
 - Monitoring attainment, but exceeding at one site in 2010
 - Though highest values have dropped critical values level for 2011
 - Regional NO_x Strategy seems key
 - Hold up is VOC RACT (updates to VOC CTGs)
 - Attainment and Maintenance not seen as problem

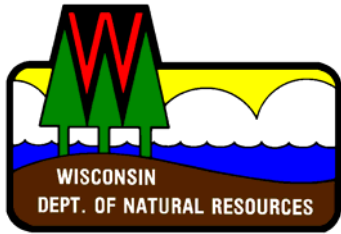


Chiwaukee, Milwaukee Bayside, Sheboygan - Ozone Trends

**8-Hr Ozone Design Values
Chiwaukee, Milwaukee-Bayside, Sheboygan
1999-2010^(a)**



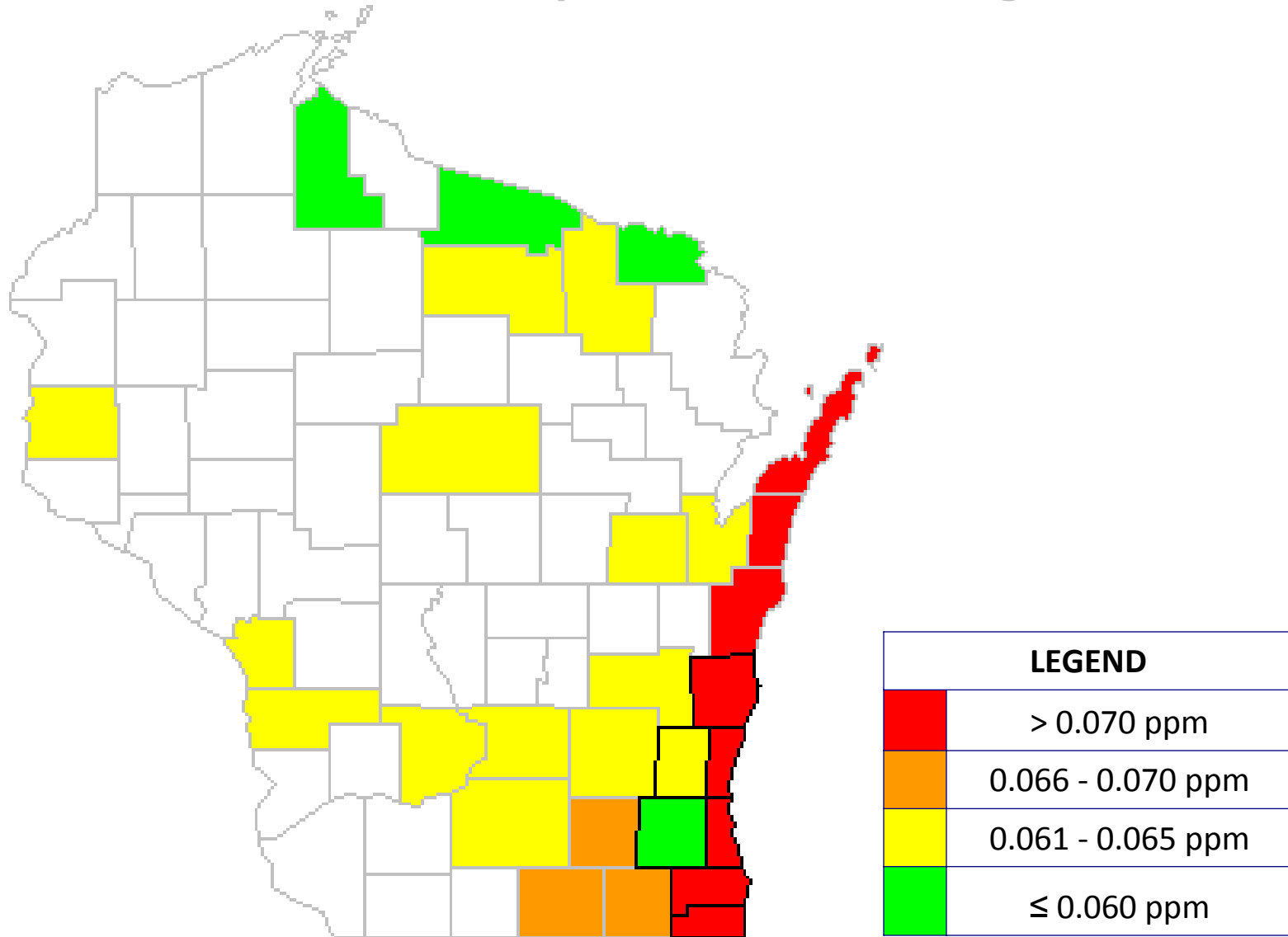
-◇- Chiwaukee 8-hr O3 Design Value (ppb) -■- Milwaukee-Bayside 8-hr O3 Design Value (ppb)
 -*-* Sheboygan 8-hr O3 Design Value (ppb)



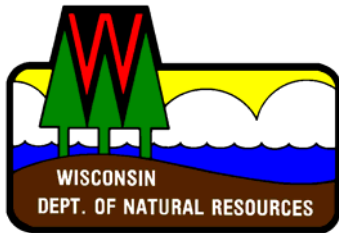
Ozone

- ◆ New (2010?) 8-Hour Standard
 - Expecting widespread Nonattainment (see following map)
 - 2008 exceptionally low ozone year, 2009-2011 DV likely to increase
 - Continuing regional NO_x Reduction Strategy will be Key
 - Expecting strong Fed measures to support
 - Designation approach may depend on level of standard
 - Planning will involve a stronger regional component regardless of area definitions

2008 – 2010 Preliminary 8-Hour Ozone Design Values

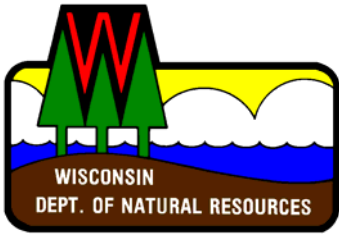


*Outlined areas reflect counties still designated nonattainment for 1997 standard.
2009 plus 2010 4th high averages are higher than 2008-2010 design values.*



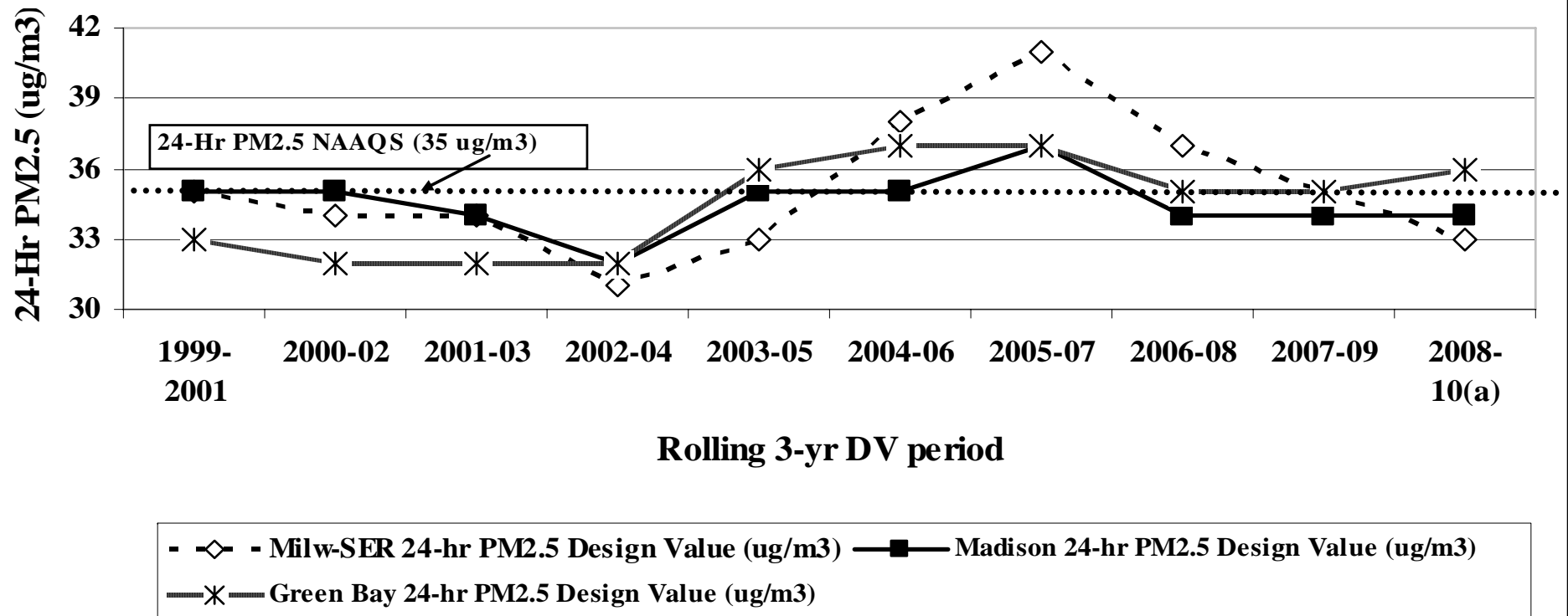
PM-2.5

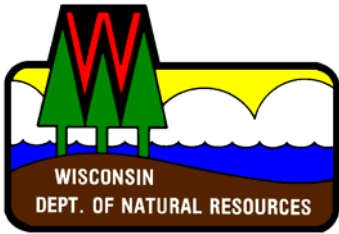
- ◆ 1997 Annual Standard
 - All areas designated and monitoring attainment
 - Regional SO₂ and NO_x Strategies seem key
 - Trend is more level than expected but does drop in most recent timeframe
 - Maintenance no longer seen as problem
- ◆ 2006 24-Hour Standard
 - 3 Counties Designated Nonattainment – Milwaukee, Racine, Waukesha
 - Regional Planning Process to address – Transport Critical
 - Possible additional county if current trend continues
- ◆ 2011? Review
 - More counties possible but not necessarily likely under either standard



Madison, Milwaukee, Green Bay PM 2.5 Trends

**24-Hr PM_{2.5} Design Values
Milwaukee-SER, Madison, Green Bay
1999-2010^(a)**

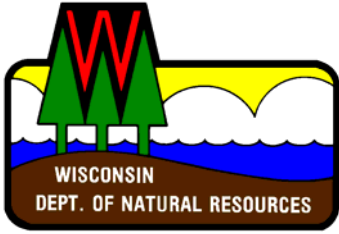




Regional Haze

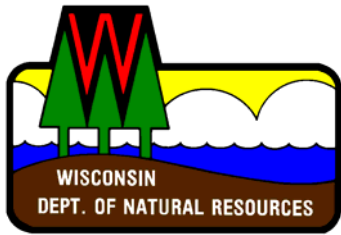
◆ Progress SIP past-due

- BART rule final and updated to more extended compliance period – part of Progress SIP
- BART Determination for one major source nearing closure
- 0-to-3 Sources may yet need Determinations
- Progress SIP Outline via LADCO/MWRPO
- EPA must still address Transport Rule 1 = BART



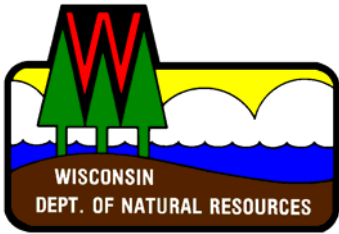
MACT & other Regional

- ◆ Awaiting final Boiler MACT
- ◆ Awaiting final EGU MACT inclusive of Mercury
- ◆ NO₂ Standard
- ◆ SO₂ Standard



Inventories & Transportation Conformity

- ◆ Crunching to finalize 2008 for SIPs
- ◆ Major transition from MOBILE 6 to MOVES
- ◆ Conformity True-up will be tough on process but achievable
- ◆ New PM 2.5 “Hot Spot” Analysis Requirement for certain projects of Air Quality Concern
- ◆ Transportation Conformity MOA submitted to stakeholders for final review



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