

Review of 2006 High Ozone Days

Presentation to the NETAC
Technical Committee

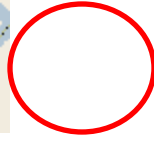
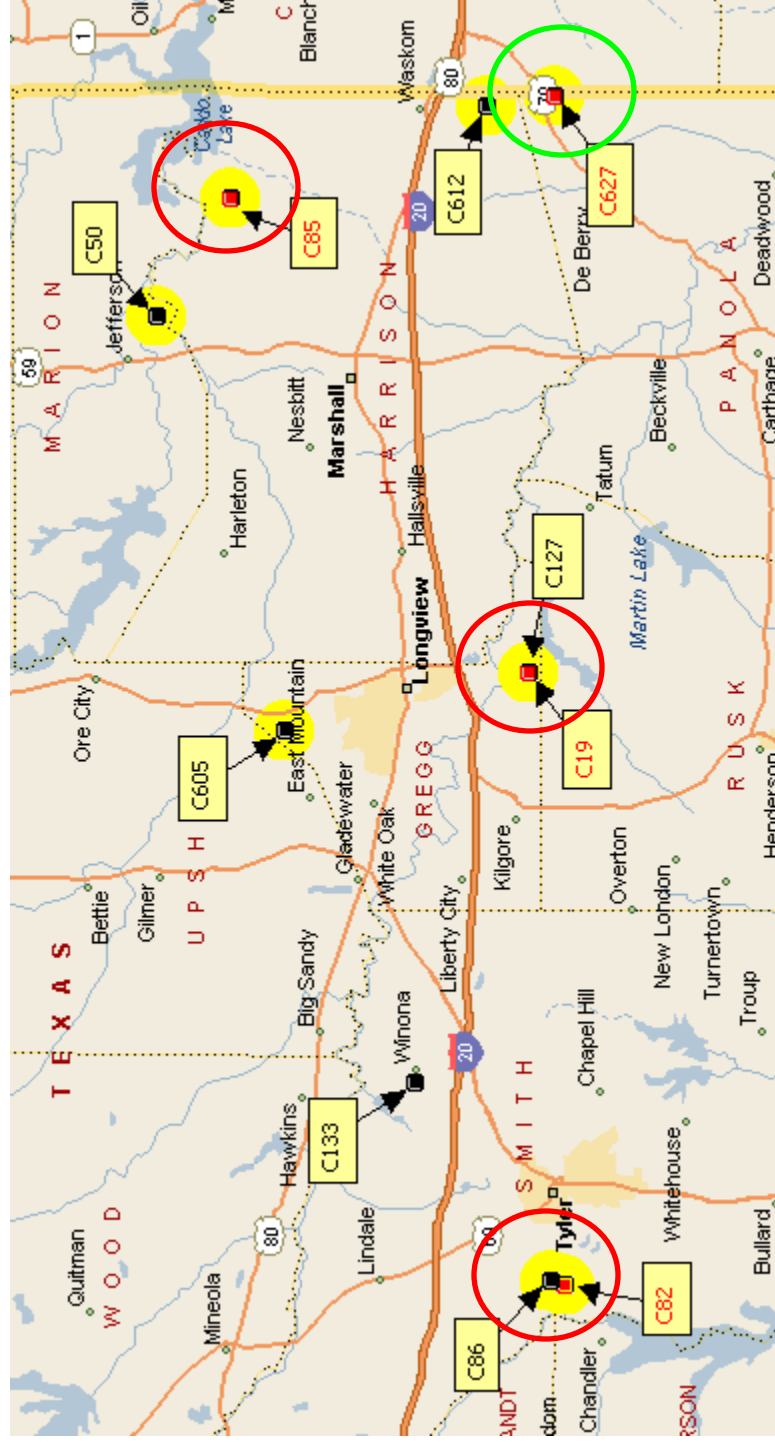
November 17, 2006

Dr. G. Yarwood

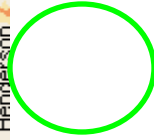
Today's Presentation

- Northeast Texas high ozone days in 2006
- Ozone Design Value trends
- Implications for 8-hour ozone non-attainment at Longview

Northeast Texas Ozone Monitors



TCEQ CAMS



NETAC Research Monitor

High Ozone Days in 2006

Day	Maximum 8-hour Ozone (ppb)			
	Longview	Tyler	Karnack	Panola
June 12, 2006	90	80	70	NA
July 18, 2006	84	89	76	NA
August 17, 2006	88	72	68	NA
August 23, 2006	86	79	65	NA
September 1, 2006	64	86	52	NA
4 th high value	84	82	78	NA

- 2006 data are preliminary until fully quality assured
- The Panola research site collected data in 2006 but TCEQ has not yet posted all the data

Comments on High Ozone Days

Day	Comments (Blue = max at Longview; White = max at Tyler)
June 12, 2006	Longview +10 ppb O ₃ , variable N and E winds, SO ₂ indicates power plant plume involved
July 18, 2006	Tyler +5 ppb O ₃ with E winds – possible Tyler urban impact?
August 17, 2006	Longview +10 ppb O ₃ , E winds, SO ₂ indicates power plant plume involved – Pirkey?
August 23, 2006	Longview +7 ppb O ₃ , variable winds, little SO ₂
September 1, 2006	Tyler +12 ppb O ₃ with NE winds – possible Titus Co. power plant impact?

8-hour Ozone Design Values

Years	Longview	Tyler	Karnack	Panola
2001-2003	82	81	84	NA
2002-2004	83	81	81	NA
2003-2005	84	81	80	NA
2004-2006	85	82	79	NA

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Design Value Trends Through 2006

- Decreasing at Karnack
 - 79 ppb
- Steady at Tyler
 - 82 ppb (expected to be decreasing)
- Increasing at Longview
 - Longview is now exceeding the 8-hour standard at 85 ppb

Implications for 2007 Ozone Season

- In 2007, Longview needs a 4th high of 82 ppb or lower to return to attainment
 - In the last 5 years (2002-2006) the Longview 4th high was from 82 to 88 ppb (84, 82, 83, 88, 84)