

Air Quality in South Carolina?

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Bureau of Air Quality





CAPCA UPDATE

- Ozone
- PM_{2.5}
- New Source review
- Permit streamlining



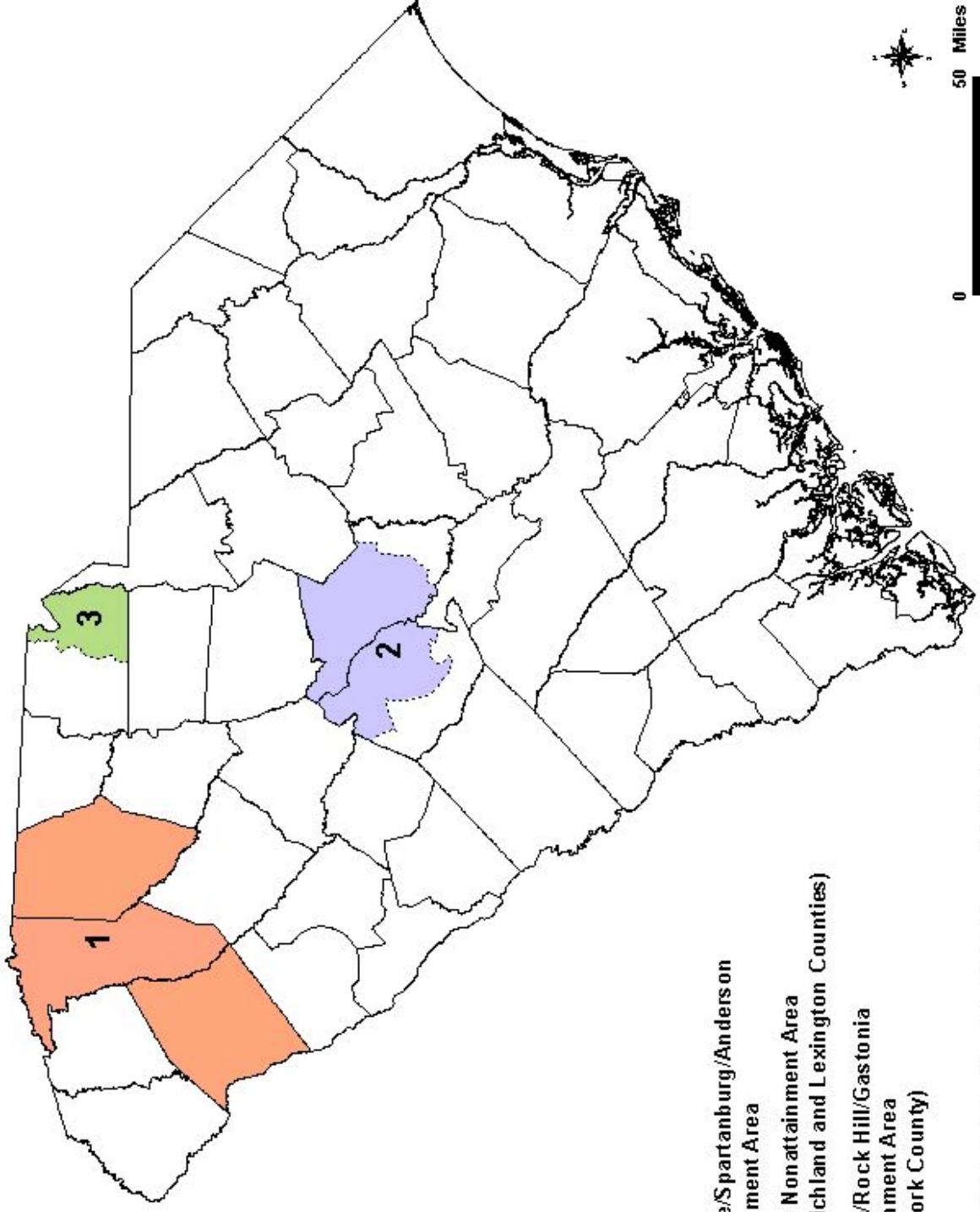
Excellence in Government



40th Annual SC Wildlife Federation

Air Conservation Award

South Carolina Nonattainment Areas for the 8-Hour Ozone Standard

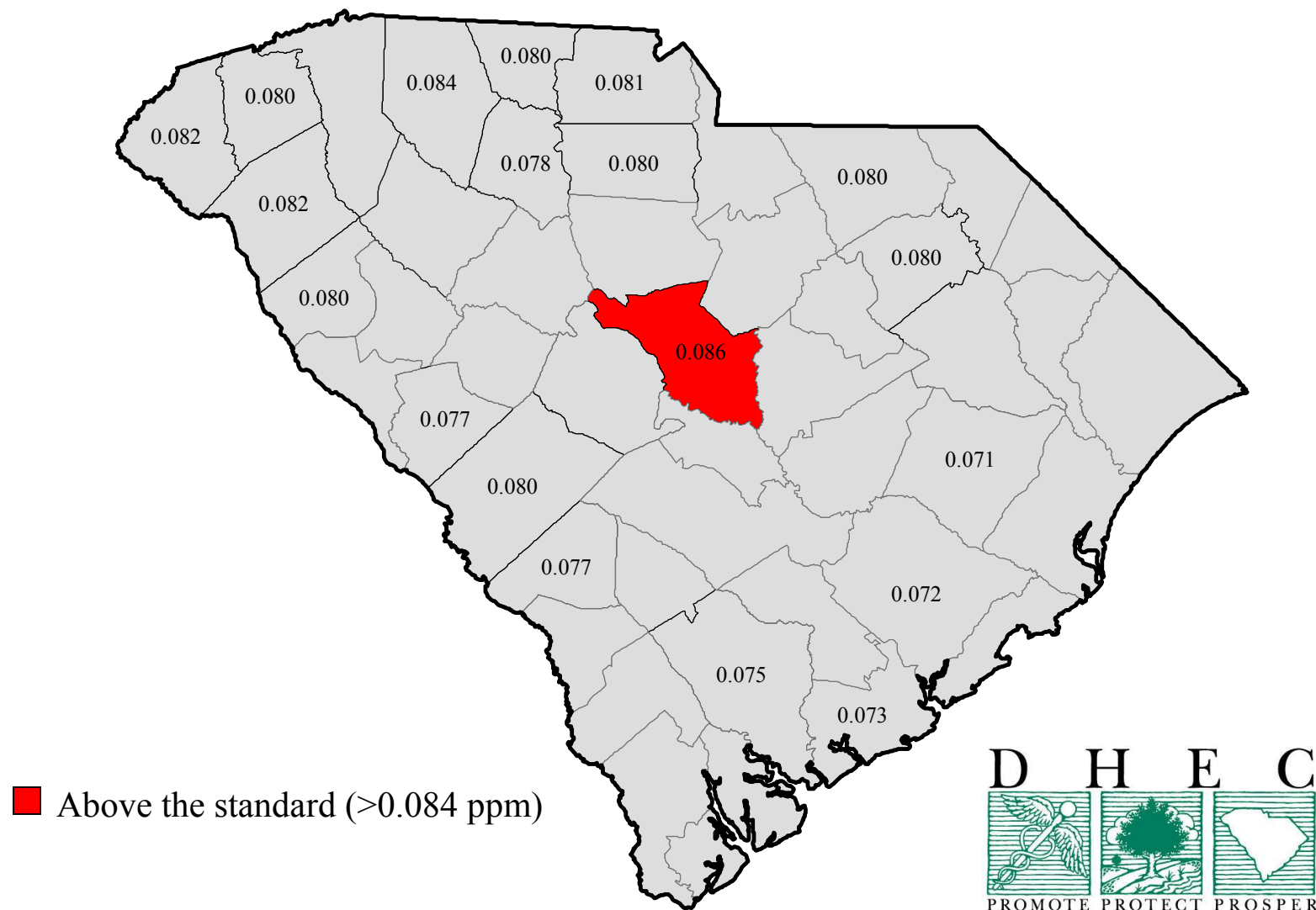


- 1** Greenville/Spartanburg/Anderson Nonattainment Area
- 2** Columbia Nonattainment Area (partial Richland and Lexington Counties)
- 3** Charlotte/Rock Hill/Gastonia Nonattainment Area (partial York County)

Areas 1 and 2 are participating in the Ozone Early Action Process.



8-Hour Ozone Design Values for 2002-2004 in South Carolina*



* Data for 2004 has not been validated. Ozone season does not end until October 31. Due to rounding allowance, a violation is not triggered until 0.085 ppm. This is county level data.



Status of Early Action Compacts?

- 45/46 counties in SC are participating
- On track with all milestones/obligations
- Includes local + state measures
- Continuing to address stakeholder concerns



Benefits of EACs?

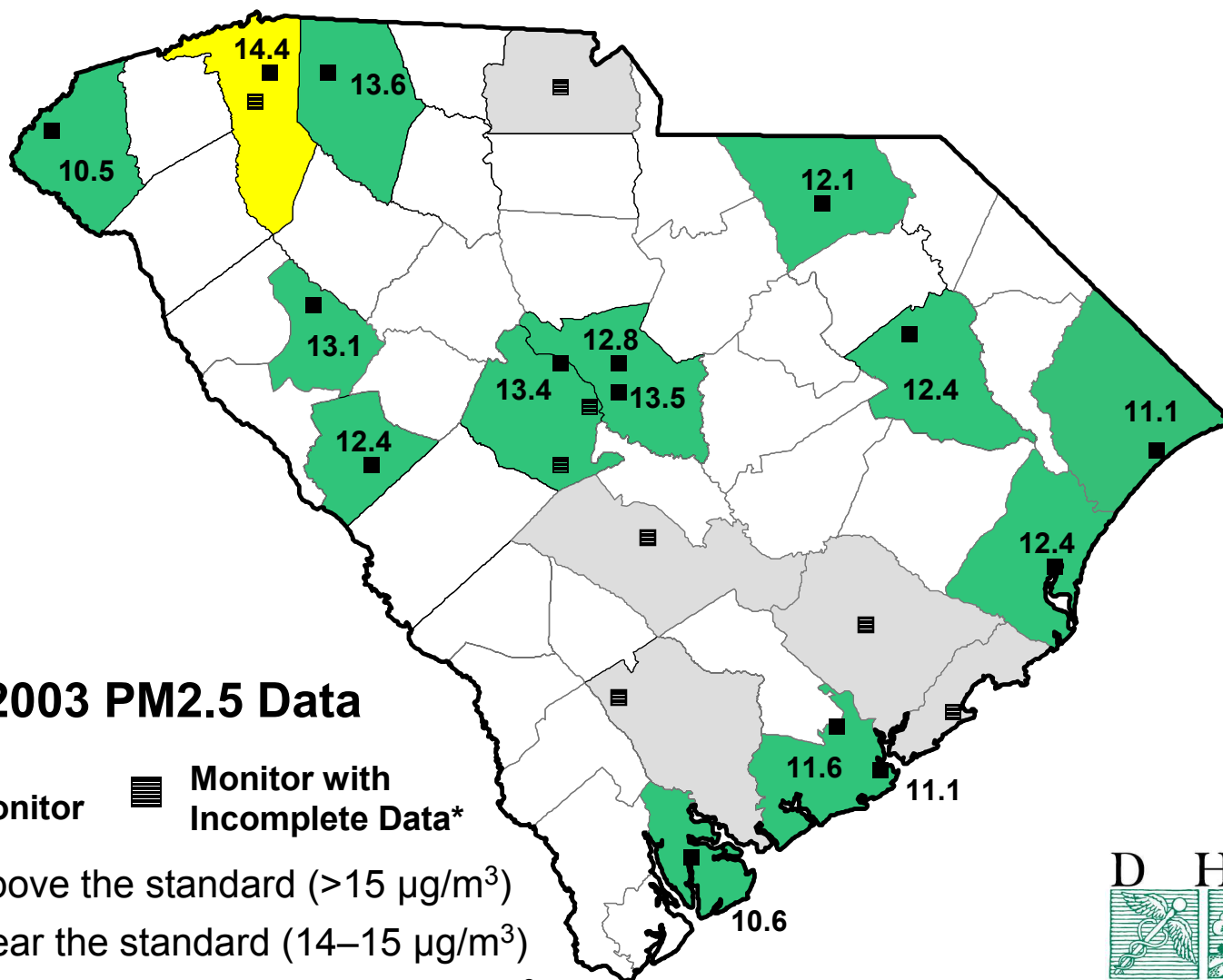
- Cleaner air sooner
- Stakeholder participation – public, industry & government
- Increased awareness of air quality issues
- Reductions from a variety of sources above & beyond what would have been required



York County Nonattainment area

- Transportation conformity
- Nonattainment NSR
 - Emission offsets (1.15:1)
 - Notice of drafting – Mar 25
- Vehicle I/M program????

PM2.5 Design Values 2001 - 2003



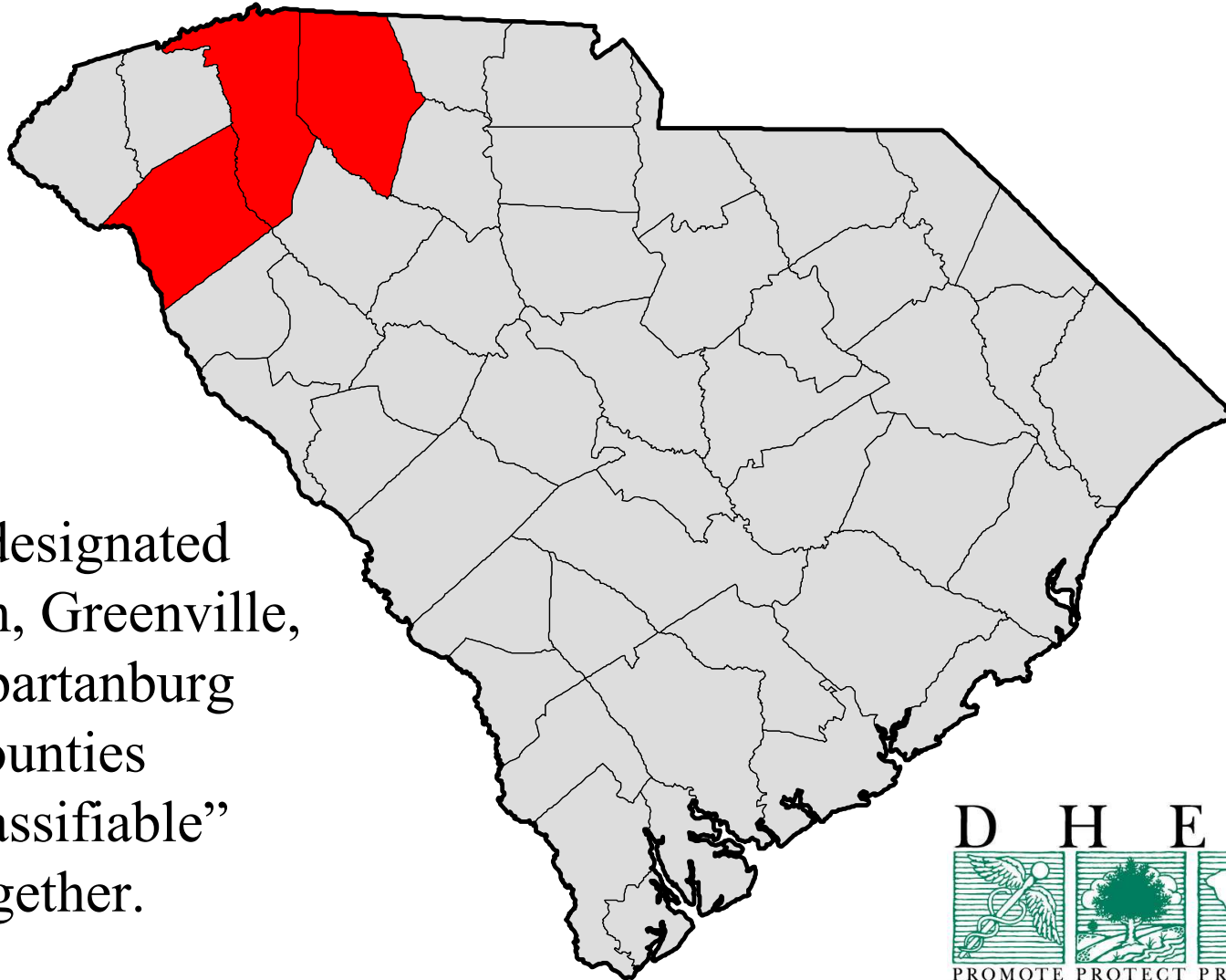
2001-2003 PM2.5 Data

- Monitor
 Monitor with Incomplete Data*
- Above the standard ($>15 \mu\text{g}/\text{m}^3$)
- Near the standard ($14-15 \mu\text{g}/\text{m}^3$)
- Attaining the standard ($<14 \mu\text{g}/\text{m}^3$)
- Incomplete Data*



*Less than the 12 Quarters of Data Needed to Determine Attainment Status

EPA's Boundary for the Annual PM 2.5 Standard



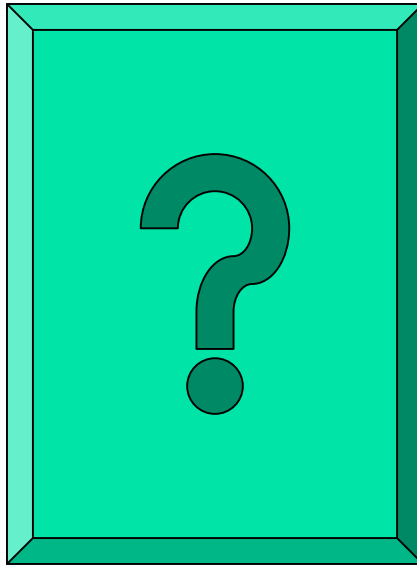
EPA designated
Anderson, Greenville,
and Spartanburg
Counties
“unclassifiable”
together.





PM_{2.5} Designation?

UNCLASSIFIABLE



Monitor of Concern

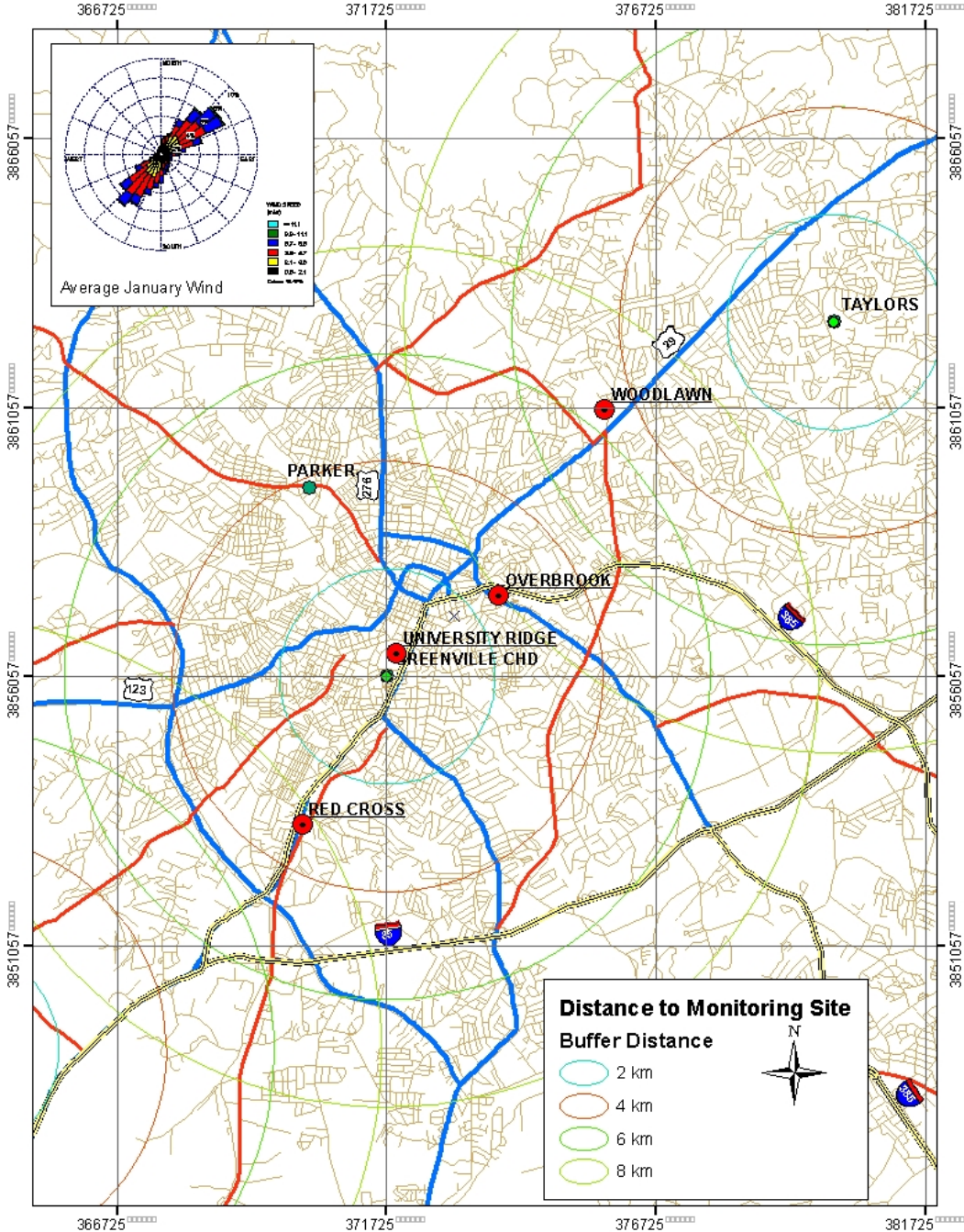


Greenville Winter Monitoring Project

January 1- April 10

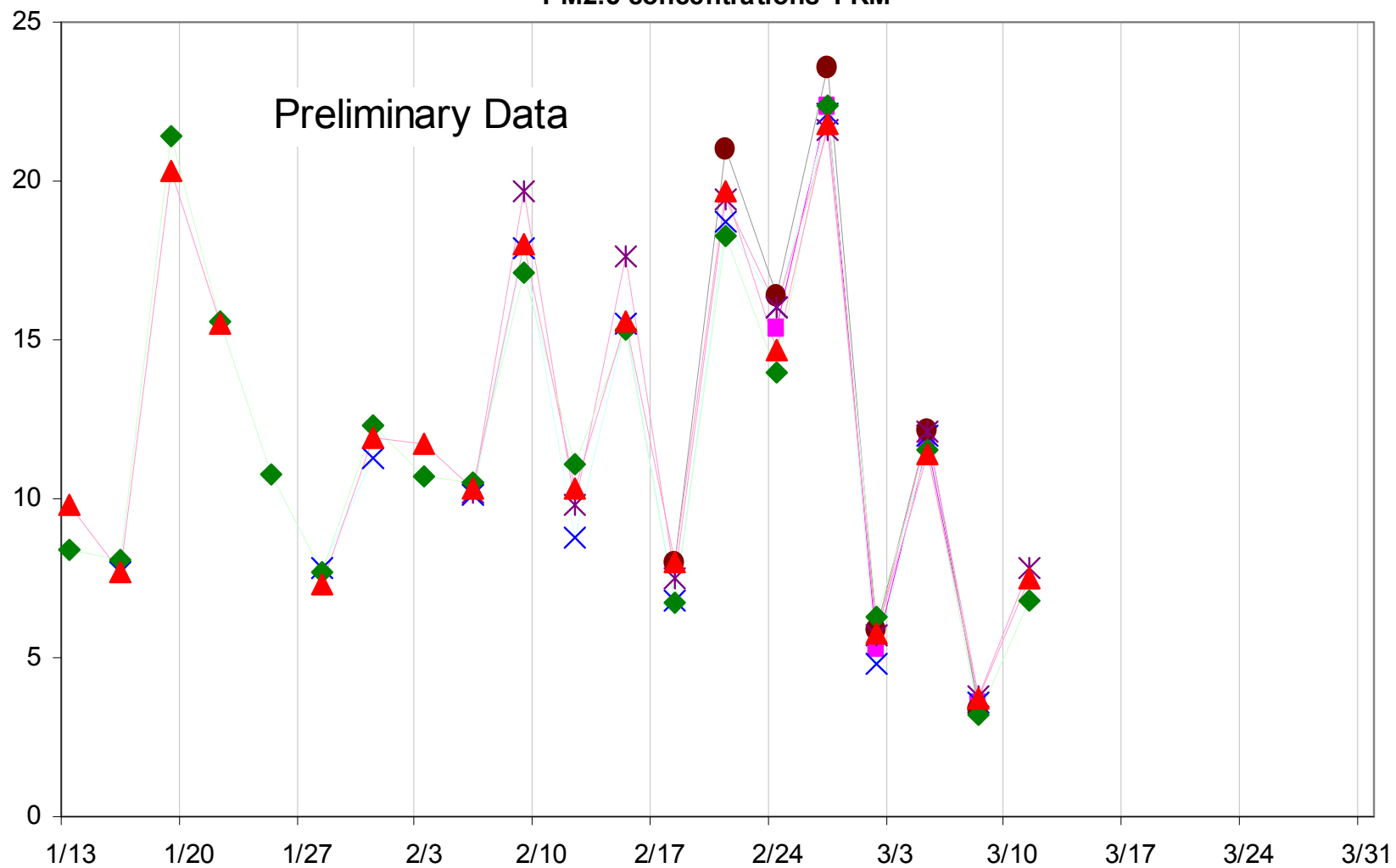
Continuous Monitors
at 3 sites

Federal Reference
Samplers at 6 sites

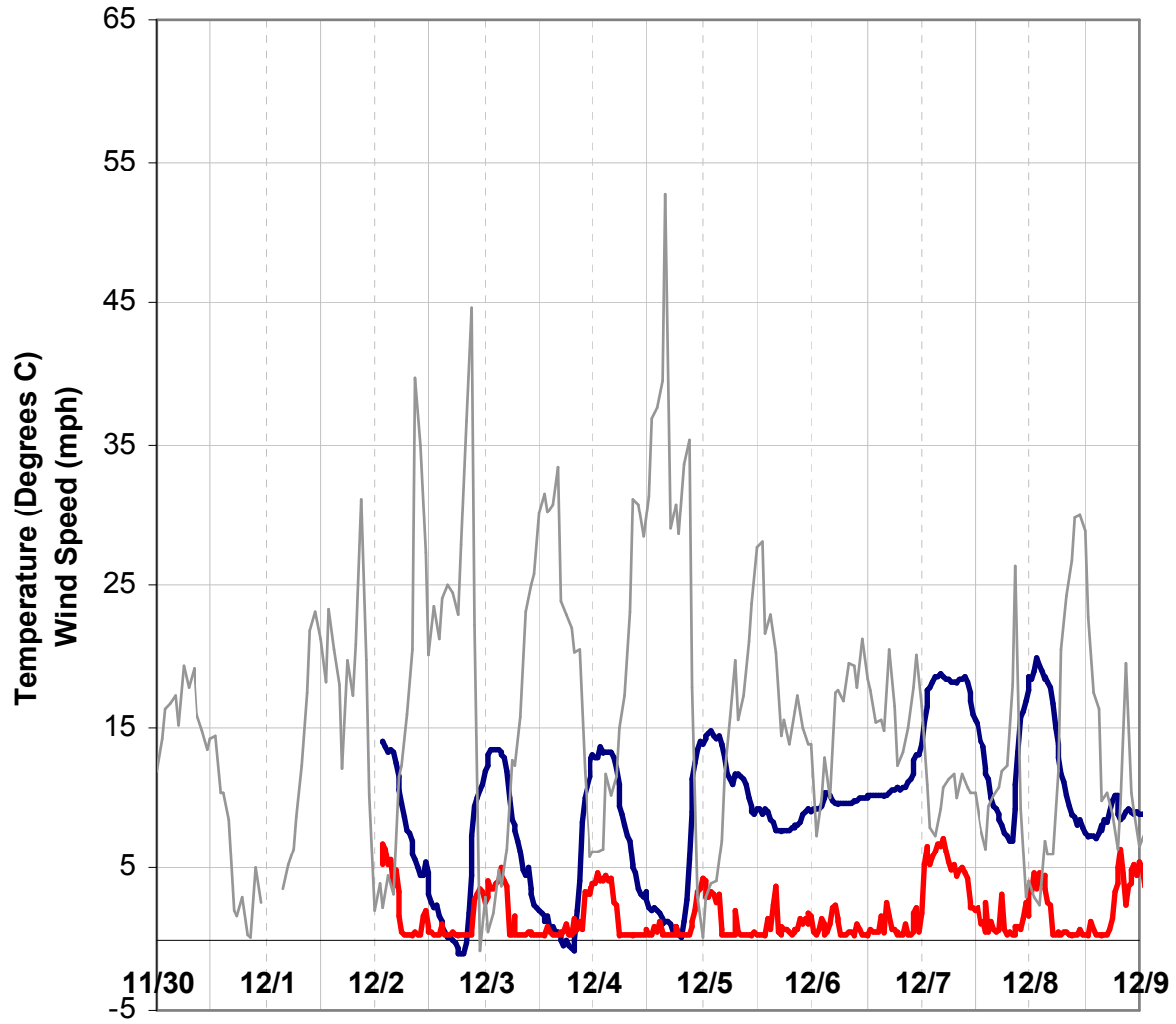


Greenville Winter Fine Particulate Monitoring Project

PM2.5 concentrations- FRM



Meteorology



— Ambient Temperature (degs. C.) — Wind Speed (mph) — PM25C



PM_{2.5} – next steps?

- Winter special study
 - ✓ Report due to EPA (July '05)
 - ✓ Questions answered/ longer study needed?
- Public health/community – top priority
 - ✓ Communication line established
 - ✓ Community engaged in special study
- Petition filed – March 7



New Source Review?

- Stakeholder process went well
 - More stringent than federal rule
- DHEC board approval – Jan
- Legislative approval
 - Will clock out (May 20)
 - Become effective (June 24)



What we can do now to streamline?

- Exemption approvals (categories)
 - ✓ No notification
 - ✓ Notification @ OP renewal
 - ✓ Notification required/7 days
- Forms/letters/checklists
- Standardized permit templates
 - ✓ Frequently permitted sources



What we will do to streamline?

- Regulatory changes ?
 - ✓ Notice of Drafting – April 22
 - ✓ Stakeholder process
- Continue efforts.....



Graniteville Train Derailment JANUARY 6, 2005



46 Train Cars Involved in Wreck



Monitors at Ground Zero Showing over 30 PPM



Initial Plume Modeling for Chlorine Predicts Concentration Over 3,000 PPM

Unified Command Operations



Over 90 Agencies Were Involved in the Response to this Accident & Over 70 SCDHEC Staff Involved



208 Citizens Decontaminated



5,400 Citizens were Displaced from their Homes

South Carolina Air Quality Information

Bureau of Air Quality
(803) 898-4110
<http://www.scdhec.gov>



*ALSO note Email address:
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