



# Statewide Ozone Steering Committee Meeting

May 29, 2008

LOUISIANA DEPARTMENT OF **ENVIRONMENTAL QUALITY**  
:FOR ALL YOUR ENVIRONMENTS



# Meeting Agenda

- Welcome and Introductions
  - Introduce New Members
  - Discussion of Role and Function
- Reports from Subcommittees
  - Presentation Subcommittee
  - Early Actions Subcommittee
  - CAA Reforms Subcommittee
- New Business
- Old Business
- Next Meeting



# Steering Committee

**Brian Bond**  
**Guy Donaldson**  
**Jason R. El Koubi**  
**Emily Stich**  
**Sandra Rennie**  
**Mike D. McDaniel, Ph.D**  
**Will Perkins**  
**Gifford Briggs**  
**Natalie Babin Isaacks**  
**Richard Metcalf**  
**LMA Designee**  
**Henry Graham, Jr.**  
**Teri Lanoue**  
**Jeffrey Dubinsky**  
**Gary Miller**  
**Ty Bromwell**  
**Lou Buatt**  
**Wes Wyche**  
**Steve Busar**  
**Tom Bourg**  
**Lake Charles Area Designee (TBD)**  
**Lafayette Area Designee (TBD)**  
**Monroe Area Designee (TBD)**  
**Alexandria Area Designee (TBD)**  
**Northshore Area Designee (TBD)**

Utilities Industry  
USEPA Region 6 (6PDL)  
Louisiana Department of Economic Development  
Louisiana Association of Business and Industry (LABI)  
USEPA Region 6 (6PDL)  
BR Clean Air Coalition  
Louisiana Pulp & Paper Association  
Louisiana Independent Oil and Gas Association (LIOGA)  
Louisiana Oil Marketers & Convenience Store Operators (LOMCSA)  
Louisiana Mid-Continent Oil and Gas Association  
Louisiana Municipal Association  
Louisiana Chemical Association (LCA)  
Ozone Historian (DEQ Retired)  
Sierra Club  
Louisiana Environmental Action Network  
Police Jury Association of Louisiana  
DEQ Chairperson  
City of Shreveport  
Greater New Orleans Inc  
Terrebonne Parish  
Lake Charles Area  
Lafayette Area  
Monroe Area  
Alexandria Area  
Area North of Lake Pontchartrain



# Role and Function

- Steering Committee
  - Provide recommendations and guidance to DEQ with regard to implementation of ozone standard in Louisiana.
    - Educating municipalities, the general public and regulated facilities about the impacts of the new standard
    - Helping identify and implement early actions that may affect attainment status
    - Assessing potential Clean Air Act revisions that can help areas reach attainment status



# Steering Committee

- Consensus in offering recommendations
- Balanced viewpoints
- Membership representative of geographic areas, public and private sectors
- Assist DEQ in gathering and disseminating information



# Subcommittees

- Open to anyone who wishes to contribute
  - Opportunity to incorporate lots of viewpoints
- Focused
  - Each subcommittee has a specific focus
- Time driven
  - Products of the steering committee and subcommittees need to be useful and timely



# Presentations Subcommittee

- Focus
  - Provide the citizens of Louisiana with information relative to the status of implementation of the 8-hour ozone standard of 75 ppb
    - Prepare a presentation that can be used to educate citizens
    - The presentation to be delivered by representatives of state government, business, industry, and environmental leaders
  - Timing
    - Finalize presentation by end of June 2008



# Presentations Subcommittee

- Handouts have been provided for comment
  - The presentation is in draft form, with added information from subcommittee members
- Participation by Steering Committee members
  - Provide information relative to your association
  - Affords the public a point of view other than the regulators
  - Helps to present “it’s not just big industry anymore” picture.



# Early Actions Subcommittee

- Focus
  - To develop early action measures that will reduce ozone concentrations and keep areas in attainment with the ozone standard
- Timing
  - presentations will be custom tailored for each geographic area based upon documentation that has already been developed



# Overview of Subcommittee Work

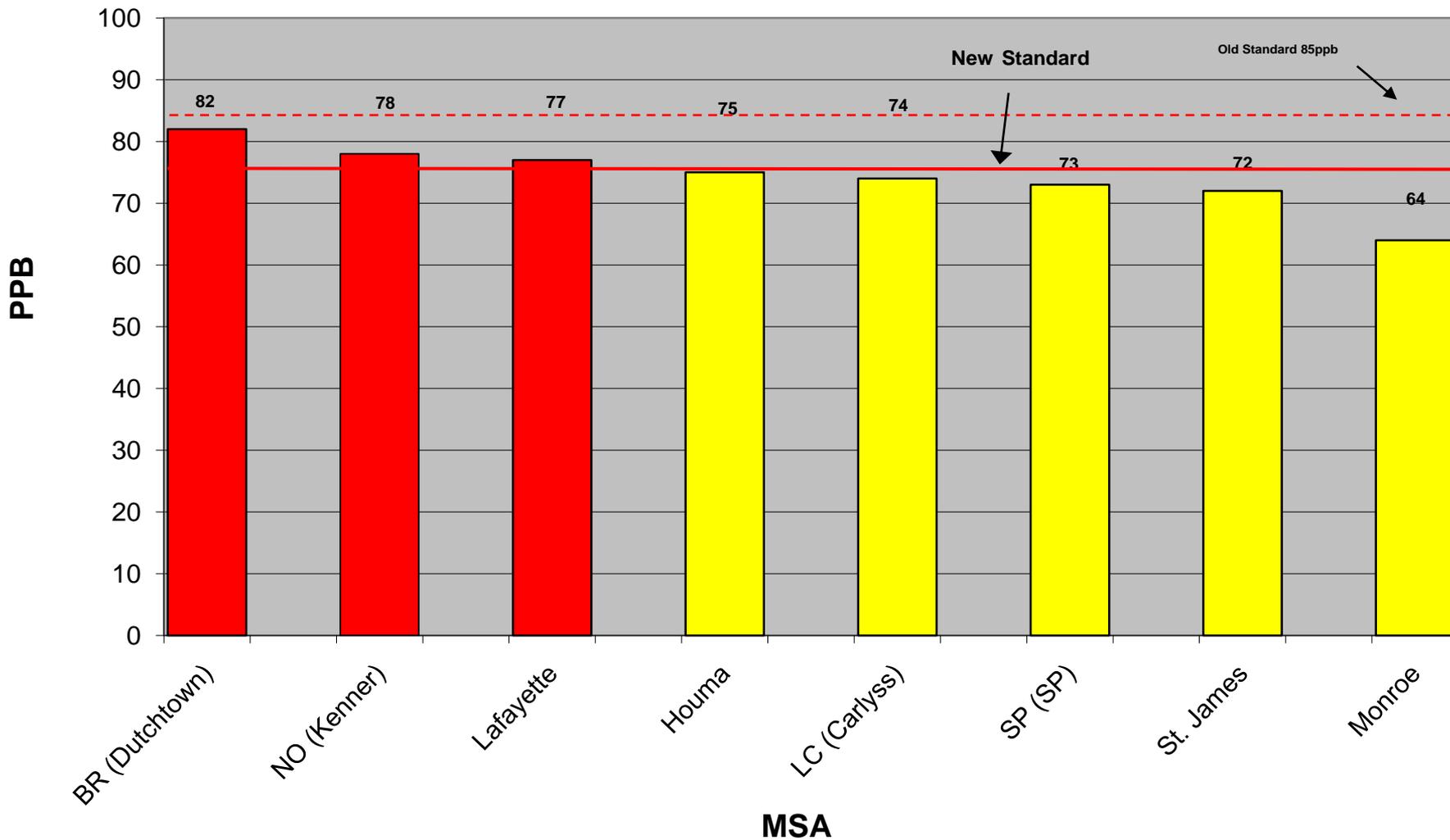
- Timeline
- Current 8-Hour Ozone Status
- Possible Designations/Classifications
- Classification Requirements
- Federal/State Rules
- Possible Reduction Measures



# Timeline

<b>Rule Proposed</b>	<b>March 12, 2008</b>
<b>Rule Final</b>	<b>May 12, 2008</b>
<b>Recommendations to EPA (no later than)</b>	<b>March 12, 2009</b>
<b>Final Designations (no later than)</b>	<b>March 12, 2010</b>
<b>Marginal Attainment</b>	<b>May 2013</b>
<b>Moderate Attainment</b>	<b>May 2016</b>

# 8-Hr Design Value as of May 15, 2008



## Possible Designations/Classifications

	Existing 8-hour Ranges		Ratio		Possible 75-8hour Ranges	
Marginal	0.085	0.091			0.076	0.081
Moderate	0.092	0.106	1.08		0.082	0.095
Serious	0.107	0.119	1.26		0.096	0.106
Severe-15	0.120	0.126	1.41		0.107	0.113
Severe-17	0.127	0.186	1.49		0.114	0.166
Extreme	0.187		2.20		0.167	
<b>DV</b>	<b>2004-06</b>	<b>2005-07</b>	<b>06-08YTD</b>		<b>Possible Designation Based On 05-07</b>	<b>Possible Classification Based On 05-07</b>
BR	90	89	82		Nonattainment	Moderate
NO	82	83	78		Nonattainment	<b>Moderate</b>
Lafayette	82	81	77		Nonattainment	Marginal
LC	82	80	73		Nonattainment	Marginal
SP	80	79	73		Nonattainment	Marginal
Houma	80	79	75		Nonattainment	Marginal
St. James	75	77	72		Nonattainment	Marginal
Monroe	76	73	64		Attainment	-

## Possible Designations/Classifications

	Old 1-hour Ranges		Ratio		Possible 75-8hour Ranges	
Marginal	0.121	0.137			0.076	0.086
Moderate	0.138	0.159	1.14		0.087	0.099
Serious	0.160	0.179	1.32		0.100	0.112
Severe-15	0.180	0.189	1.49		0.113	0.118
Severe-17	0.190	0.279	1.57		0.119	0.175
Extreme	0.280		2.31		0.176	
<b>DV</b>	<b>2004-06</b>	<b>2005-07</b>	<b>06-08YTD</b>		<b>Possible Designation Based On 05-07</b>	<b>Possible Classification Based On 05-07</b>
BR	90	89	82		Nonattainment	Moderate
NO	82	83	78		Nonattainment	<b>Marginal</b>
Lafayette	82	81	77		Nonattainment	Marginal
LC	82	80	73		Nonattainment	Marginal
SP	80	79	73		Nonattainment	Marginal
Houma	80	79	75		Nonattainment	Marginal
St. James	75	77	72		Nonattainment	Marginal
Monroe	76	73	64		Attainment	-



# Classification Requirements

**MARGINAL** – attainment by 3 years

- Major Source 100tpy of either VOC or NO<sub>x</sub>
- Emissions Inventory
- New Source Review (NSR)
- Offsets of 1.1 to 1
- Transportation Conformity
- General Conformity (federal, non-highway projects)



# Classification Requirements

**Moderate** – attainment by 6 years

- Marginal Requirements and:
- 15% Reduction from Baseline Within 6 Years
- RACT on Major Sources
- Gasoline RVP of  $\leq 9.0$  psi (State currently conforms except Shreveport)
- Stage II Vapor Recovery
- I/M Program
- Offsets of 1.15 to 1



# Federal/State Rules in Progress

## CAIR

- Affects Electric Utilities
- Approximately 30% NO<sub>x</sub> Reduction in State
- Phase I by End of 2009
- Further 10% Reduction by 2015
- Individual Source Reductions Not Yet Available



# Federal/State Rules in Progress

## Refinery Consent Decrees

- Affects Oil Refineries
- Amount of Reduction Varies
- Implementation Time Varies
- Some Individual Source Reductions Available



# Federal/State Rules in Progress

## Ultra-Low Sulfur Diesel

- Affects Fuel for Highway and Non-Road Engines
- Begins in 2007 and Complete in 2014
- Reduces Sulfur in Fuel to 15ppm
- At Completion, PM reduced 95%, NOx 90%



# Possible Reduction Measures

- Add Chapter 21 VOC Controls (see matrix)
  - Use of Infrared Camera To Audit for Leaks
- Add Chapter 22 NOx Controls (see matrix)
- VMT Reduction Activities
  - Ridesharing
  - Bicycle Lanes
  - Compressed Workweek, Flex-Hours
  - Telecommuting
  - Mass Transit: Buses, Light Rail, Vanpools



# Possible Reduction Measures

- Open Burning Restrictions
- Engine Idling Restrictions
- Truck Stop Electrification
- Traffic Light Synchronization
- Vehicle Scrappage Program
- Use of Electric Lawn Equipment
- Ozone Action Day Restrictions



# CAA Reforms Subcommittee

- Focus
  - Prioritize the issues that have become most problematic in recent years relative to standards and designations
  - Develop balanced package of materials to be presented to Louisiana Congressional Delegation.
- Timing
  - Preliminary materials ready by mid-July 2008



# Setting Priorities

- Started with an initial list of 18 individual items
- Grouped them into 4 distinct categories
- Assignment of leaders to lead development and flesh out the discussions
- Within each category, there is some prioritization



# Reform Area Categories

- Attainment Timelines and Standard Setting (Will Perkins)
- Designations and Modeling (Robert Berg)
- Requirements and Control Measures (Richard Metcalf)
- Philosophical and Health Discussions (Henry Graham)



# Attainment Timelines and Standard Setting

- Changes to the 5-year review cycle on standards.
- The attainment timelines do not allow adequate time to plan, prepare and submit implementation plans. Further they do not allow states the time to take into account emissions reductions that result from the federal programs which have been proposed but not yet fully implemented such as Clean Air Interstate Rule, airplane and locomotive emission standards and numerous small engine standards.
- Eliminate “planning confusion.” States simply cannot abandon efforts to demonstrate attainment for the existing 8-hour standard and start over with planning efforts to attain a new, lower standard.
- More options for compliance extensions.
- Develop better implementation mechanisms so that the standards work better together.



# Designations and Modeling

- Recognizing and dealing with interstate transport issues.
- Alternative compliance measures for area with more than “minimum” monitors



# Requirements and Control Measures

- The prescriptive requirements contained in the CAA are dated and no longer representative of current scientific opinion.
- Reformulated gasoline is not the answer for newly defined nonattainment areas
- Section 185 fees
- Offsets in lieu of LAER for marginal/moderate
- Stage 2 exemptions for E85
- Inspection and maintenance program



# Philosophical and Health Concerns

- Better definition on how to evaluate and settle conflicts between the different health studies used in setting standards is also sorely needed.
- Currently, the CAA requires that the standard be set based solely on protection of public health to the exclusion of. EPA needs the ability to consider all other relevant factors such as cost effectiveness and technical feasibility when reviewing and setting the NAAQS.
- Ability to “bump down”
- Do away with MSA concept.
- Recognition of background levels of ozone.



# Path Forward

- Characterizing each of the categories
- Develop a portfolio of information
  - Assessment of the issues
  - Identify the impacts (not just on Louisiana)
    - Economic
    - Air quality
  - Develop “strawman” approach for rule changes
    - Include scenarios “if you can only do one thing”
  - Future work may include helping craft rule language



# Old / New Business

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# Next Meeting

- When
- Where