

CONTROL MEASURES PLANNING & STRATEGY

OTC Annual Meeting

June 6, 2006

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SIP Development Timeline (Overview/Calendar of Due Dates) 4/27/06

	2005				2006												2007												
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
NSR Rulemaking SIP <small>(SIP due: January 2, 2006)</small>																													
Clean Air Interstate Rule SIP <small>(SIP Due: Sept. 2006)</small>																													
Mercury Rulemaking SIP																													
Ozone 8-Hr SIPs (All attainment SIPs due: June 15, 2007)																													
(Moderate)																													
Poughkeepsie, NY (Moderate)																													
Jefferson Co., NY (Moderate)																													
Albany-Schenectady-Troy, NY (Subpart 1)																													
Buffalo-Niagara Falls, NY (Subpart 1)																													
Essex Co. (Whiteface Mtn), NY (Subpart 1)																													
Jamestown, NY (Subpart 1)																													
Rochester, NY (Subpart 1)																													
Regional Haze SIP <small>(SIP Due: Dec. 2006)</small>																													
PM ₁₀ Attainment SIP <small>(Attainment SIP Due: April 5, 2008. Transport SIP due May 25, 2007)</small>																													
Transportation Conformity <small>(SIP Due: Latest Sept. 2008)</small>																													

Ozone SIP Timeline

Action	Date
EPA finalized designations	April 30, 2004
Effective date of 8-hour ozone designations	June 15, 2004
EPA finalizes implementation rule	November 29, 2005
CAIR SIP Due	September 11, 2006
State RACT Plan Due	September 15, 2006
Partial CAIR SIP Due (Alternative) CAIR FIP Deadline	March 2007
State Attainment Plan Due	April 15, 2007
Attainment dates	June 2009 (Basic) June 2010 (Moderate)

Ozone SIP Components

- Background/Federal Regulation Overview
- Air Quality Trends
- 2002 Baseline Emission Inventory
- Reasonably Available Control Measures (RACM)
- Reasonably Available Control Technologies (RACT)
- Reasonable Further Progress (RFP)
- Projection Inventories
- New Measures (post-2002)
- Attainment Modeling (Weight of Evidence Demonstration)
- Other Clean Air Act Requirements

Attainment Planning

- 25 Different Control Measures Evaluated
- Covering:
 - Stationary Sources
 - Area Sources
 - Mobile Measures
- Recommendations Result in:
 - 200,000 TPY of NO_x reductions
 - 100,000 TPY of VOC reductions

Attainment Planning (cont'd)

- 15 Measures Recommended at Special Meeting
 - MOU for consideration here includes Model Rules for 4 Control Measures
 - Resolution for consideration here includes modifications of existing State Rules for 6 Source Categories
- 7 Measures are Part of the Broader State Collaborative

Memorandum of Understanding

- Agree to continue to work with interested stakeholders and pursue state-specific rulemakings as deemed needed and appropriate for the following sectors to assist in reducing emissions of precursors to ground-level ozone
 - Consumer Products
 - Portable Fuel Containers
 - Adhesives & Sealants
 - Diesel Engine Chip Reflash
- Agree to pursue any such rulemaking deemed needed in a manner to be consistent with the respective model rules

Consumer Products

- Model Rule Revises existing OTC Model Rule (circa 2000)
 - Sets 21 New VOC Limits – 4,000 TPY of VOC reduction
- MRPO Collaboration expected to add additional 26,000 TPY

Adhesives & Sealants

- Extension of OTC Consumer Products Model Rule
- No National Rule for this Category
- Based on 1998 CARB SCM
- Estimated 28,000 TPY of VOC reduction

Portable Fuel Containers

- Updates Existing OTC Model Rule
- New Requirements
 - Less Cumbersome Spill Proof Spouts
 - Reduces Container Permeability
 - Adds Kerosene and Utility Jugs to Prevent Container Substitution
- With MRPO Approx 13,000 TPY of VOC reduction

Chip Reflash

- Back Stop Mandatory Program with 2009 Compliance Date
- Voluntary Program in Intervening Years

RESOLUTION

- Includes Modification of Existing State Rules
- New Emission Limits for 6 Categories
- Based Upon Evaluation of Cost-Effective Controls
 - Emission Limits Based upon Evaluated Method
 - Any Technology May be used to Achieve Limits
 - Some Limits May be Met Using Purchased Allowances
- Estimated Reductions
 - 64,000 TPY NO_x 49,000 TPY VOC

RESOLUTION

- Some Rules Would Only be Adopted in States where Facilities are located
- Others May be Appropriate as Regional (Corridor) Measures
- Some are Proposed as Cooperative Measures w/ MRPO

RESOLUTION

- The 6 Categories and Controls Evaluated
 - Category - Technology Evaluated
 - Asphalt Paving - Reformulation
 - Asphalt Production - Low NOx Burners
 - Cement Kilns - SNCR
 - Regional Fuels - Reduce Boutiques Fuels
 - Glass Furnaces - Oxyfiring
 - ICI Boilers - LNB/SNCR/Combustion Modifications