



**OZONE  
TRANSPORT  
COMMISSION**

**RESOLUTION 06-02 OF THE OZONE TRANSPORT COMMISSION  
CONCERNING COORDINATION AND IMPLEMENTATION OF  
REGIONAL OZONE CONTROL STRATEGIES FOR CERTAIN SOURCE  
CATEGORIES**

**Whereas**, the Ozone Transport Commission (OTC) was established under Sections 176A and 184 of the federal Clean Air Act (CAA) to ensure the development and implementation of regional strategies to reduce ground-level ozone to healthful levels; and,

Connecticut

Delaware

**Whereas**, ozone has been shown to cause respiratory illnesses, exacerbate or trigger asthma related episodes, increase respiratory-related emergency room and hospital admissions and compromise the immune system leading to increased incidents of other respiratory illnesses, including pneumonia and bronchitis, and to cause premature death; and,

District of Columbia

Maine

Maryland

**Whereas**, the OTC is charged with exploring the contributions of all sources of air pollution to the ozone problem, including the transport of ozone and its precursors nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOCs) into as well as throughout the ozone transport region (OTR); and,

Massachusetts

New Hampshire

**Whereas**, the OTC, its staff and its member state staff have explored a full range of emission sources and, as directed by the Commission through its charge to the Control Strategies Committee and its Statement with regard to regional control measures (November, 2005), are recommending certain control measures for a variety of mobile, stationary and area sources; and,

New Jersey

New York

Pennsylvania

**Whereas**, the respective state-sponsored workgroups and the Control Strategy Committee have, after soliciting stakeholder input, and consideration of the costs and magnitude of reductions potentially achievable, identified reasonable, technically feasible and cost-effective control measures for a variety of source categories; and,

Rhode Island

Vermont

Virginia

**Whereas**, on February 23, 2006, the OTC directed "the Executive staff to work with staff of the OTC member states to advance air quality modeling efforts to ensure the control strategy modeling for 2009 reflects the appropriate level of reductions from" measures including the following:

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Executive Director

- Asphalt Paving
- Asphalt Production Plants
- Cement Kilns
- Glass Furnaces
- Industrial, Commercial and Institutional Boilers

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## Regional Fuels

**THEREFORE, BE IT RESOLVED** that the OTC member states will continue to work with interested stakeholders and pursue as necessary and appropriate state-specific rulemakings or other implementation methods to establish emission reduction percentages, emission rates or technologies as appropriate, that are consistent with the guidelines included in the table below:

Source Category	Emission Rate	% Reduction
<b>Asphalt Paving</b>	(% VOC limit)	(from 2009 base)
Cutback	4	20
Emulsified	4	20
<b>Asphalt Plant</b>	(lbs NOx/ton)	
Major Sources		
Batch Mix Plant – Natural Gas	0.02	35
Batch Mix Plant – Distillate Oil/Waste oil	0.09	35
Drum Mix Plant – Natural Gas	0.02	35
Drum Mix Plant – Distillate Oil/Waste oil	0.04	35
Minor Sources		
Batch or Drum Mix Plant – Natural Gas	Low NOx Burner Technology	
Batch or Drum Mix Plant – Distillate Oil/Waste oil	Low NOx Burner Technology	
<b>Cement Kilns</b>	(lb NOx/ton of clinker)	
Wet	3.88	60
Long Dry	3.44	60
Preheater	2.36	60
Precalciner	1.52	60
<b>Regional Fuel</b>		
Pursue a Regional Fuel Program Consistent with the Energy Act of 2005		
<b>Glass Furnaces</b>	(lb NOx/ton of glass)	
Container Glass	1.50	85
Flat Glass	2.40	85
Pressed/blown glass	3.30	85
<b>ICI Boilers</b>	(lb NOx/mmBtu)	
<25 mmBtu/hr		10
25-50 mmBtu/hr		
Natural Gas	0.05	50
#2 Fuel Oil (25-100 mmBtu/hr)	0.08	50
#4 or #6 Fuel Oil (25-100 mmBtu/hr)	0.20	50
Coal	*	*
50-100 mmBtu/hr		
Natural Gas	0.05	10
#2 Fuel Oil (25-100 mmBtu/hr)	0.08	10



#4 or #6 Fuel Oil (25-100 mmBtu/hr)	0.20	10
Coal	*	*
100-250 mmBtu/hr		
Natural Gas	0.10	75
#2, #4, or #6 Fuel Oil	0.20	40
Natural Gas & Fuel Oil	0.20	25
Coal	*	*
> 250		
All boilers (Phase 1)	Same as EGUs of Similar Size	
All boilers (Phase 2)	Same as EGUs of Similar Size	

\*Values to be determined by Commission based on recommendations of committees and further discussion among collaborating states.

**Be it further resolved** that the OTC member states commit to pursue as necessary and appropriate consistent rulemakings for these source categories. Staff of the OTC and member state staffs' are directed to continue to seek stakeholder input and coordinate with our collaborative partners on any recommended revisions to these guidelines.

**Be it further resolved** that the compliance dates in said regulations should be targeted for January 1, 2009 or as soon as practicable thereafter; and,

**Be it further resolved** that should a member state find that rule amendments would be enhanced by OTC development of a model rule for a given category, that OTC staff be so notified, and that OTC staff make every effort to accommodate any such request.

Adopted by the Commission on June 7, 2006

  
 Robert Golledge, Commissioner, MA DEP  
 Chair