

Ozone Transport Commission Stationary and Area Source Committee Update

OTC Committee Meeting
September 8, 2011
Linthicum, MD
Doubletree by Hilton

Stationary and Area Source

NOx Measure	State(s) Rule Based On	Emissions Reduction	Cost
Oil and Gas Fired Boilers serving EGUs	DE, NJ, MA, MD, NY	139 TPD OTR	\$2,730 to \$21,800 per ton
Coal Fired Boilers serving EGUs	TBD	TBD	TBD
New Small Gas Boilers	CA, TX	53 TPD OTR	\$3,300 to \$16,000 per ton
Municipal Waste Incinerators	NJ, MD	14 TPD OTR	\$2,140 per ton (SNCR)
HEDDCT EGUs	NJ	20 TPD OTR	WI: \$44,000 per ton HEDDCT (or \$4400 seasonal)
Stationary Generator Regulation (DG)	DE, MA, MD, NJ	TBD	\$39,700 to \$79,700 per ton per day
Energy Security /Efficiency	TBD	TBD	TBD
Natural Gas Compressor Stations	TBD	TBD	TBD

Stationary and Area Source

VOC Measure	State(s) Rule Based On	Emissions Reduction	Cost
AIM Rule Update	CA	60 TPD OTR	\$2,240 per ton
Autobody Refinishing	CA	31 TPD OTR	\$2,860 per ton
Consumer Products	CA	19 TPD OTR	\$7,700 per ton
Solvent Degreasers	MD, CA	81 TPD OTR	\$1,400 per ton
Stage 1 and 2 Vapor Recovery	TBD	TBD	TBD
Large Above Ground Storage Tanks	MD, NJ	TBD	\$2,288 to \$29,000 per ton (Industry estimate: \$47,000 /ton) (BP - Carson, CA spent \$15.4 million to dome 32 tanks)

Adopted Measures

NOx Measure	Rule Basis - States	Year Adopted?	Emissions Reduction
Oil and Gas Fired Boilers serving EGUs	DE, NJ, MA, MD, NY	2010	139 TPD OTR
New Small Gas Boilers	CA, TX	2010	53 TPD OTR
HEDDCT EGUs	NJ	2010	20 TPD OTR
Stationary Generator Regulation (DG)	DE, MA, MD, NJ	2010	TBD
VOC Measure	Rule Basis - States	Year Adopted?	Emissions Reduction
AIM Rule Update	CA	2010	60 TPD OTR
MVMERR (Autobody Refinishing)	CA	2009	31 TPD OTR
Consumer Products	CA	2010	19 TPD OTR
Large Above Ground Storage Tanks	MD, NJ	2010	TBD

Committee Focus

- Research and data collection
- Stakeholder outreach
- Collaboration with other states on issues
- Completing action on remaining measures
- Revisiting and updating adopted measures
- Discussing adoption and implementation issues
- Identifying new candidate measures

Recent Committee Activity

- March 2011, OTC Committee Meeting
 - Presented Solvent Degreasers Model Rule, Paint Thinners and Multipurpose Solvents White Paper, Technical Support Documents for adopted model rules
 - Sought stakeholder comments and input
- Monthly Committee calls and numerous workgroup calls on potential measures
- June 2011 Annual Meeting
 - Committee charged to continue work on identified measures

NOx Measures Under Review

- Municipal Waste Incinerators
 - Goal to coordinate with EPA action;
 - EPA MACT delayed;
 - Committee is considering options for possible action.
- Coal Fired Boilers Serving EGUs
 - Evaluating EPA's Transport Rule;
 - Committee is considering options for possible action.

NOx Measures Under Review

- Natural Gas Compressor Stations
 - Developed draft white paper focusing on pipeline prime movers, released at June Annual Meeting;
 - Gathering additional information on emissions and cost;
 - Conducting stakeholder information calls, and other stakeholder outreach;
 - Released Draft Model Rule August 2011, targeting Fall meeting for model rule finalization. Focuses on large prime movers.

Anticipated Schedule

- Release initial draft white paper for June meeting; ✓
- Release draft model rule for November meeting; ✓
- Updating and finalizing white paper for November meeting, using data gathered on small unit population.

VOC Measures Under Review

- Vapor Controls from Gas Stations
 - Gathering information from states and vendors;
 - Meeting with vendors;
 - Reviewing cost/benefit data;
 - Developing white paper draft.

VOC Measures Under Review

- Solvent Degreasing
 - Released updated draft model August 2011 - see rule for comprehensive list of changes;
 - Contacted 40 stakeholder organizations for comment on rule development, received over 23 stakeholder comments on March proposal;
 - Evaluated stakeholder comments;
 - 150 g/L limit for cold cleaning printed circuit boards;
 - Forgoing additional regulation of vapor degreasing in relation to 2001 rule
 - Compliance date of 1/1/14;
 - Targeting Fall meeting for model rule finalization.

VOC Measures Under Review

- Consumer Products Update
 - Developed white paper on the potential inclusion of Paint Thinners and Multipurpose Solvents in the Consumer Products model rule;
 - Consulted with SCAQMD, sought stakeholder input;
 - Developed recommendation on Tire Shine products;
 - Released draft model rule August 2011;
 - Targeting Fall meeting for model rule finalization.

Draft Documents Issued for Comment

- Documents released for September 8 OTC Committee meeting:
 - Consumer Products Draft Model Rule;
 - Solvent Degreasers Draft Model Rule;
 - Natural Gas Compressor Prime Movers Draft Model Rule.
- Comments due September 26th.

Measure Development Process

- Next Steps for the Committee
 - Additional sector specific calls with stakeholders;
 - Review and consider stakeholder comments, update measures as needed;
 - Develop screening modeling inputs and sharpen emission reduction estimates;
 - Continue to develop white papers and model rule language;
 - Assemble TSDs for measures being considered for adoption.

Measure Development Process

- Upcoming Committee Activities
 - Continue work on the remaining control measures from the list;
 - Prepare for Fall meeting – November 10, 2011 in Delaware;
 - Explore new measures, continue data gathering.

Questions?

