

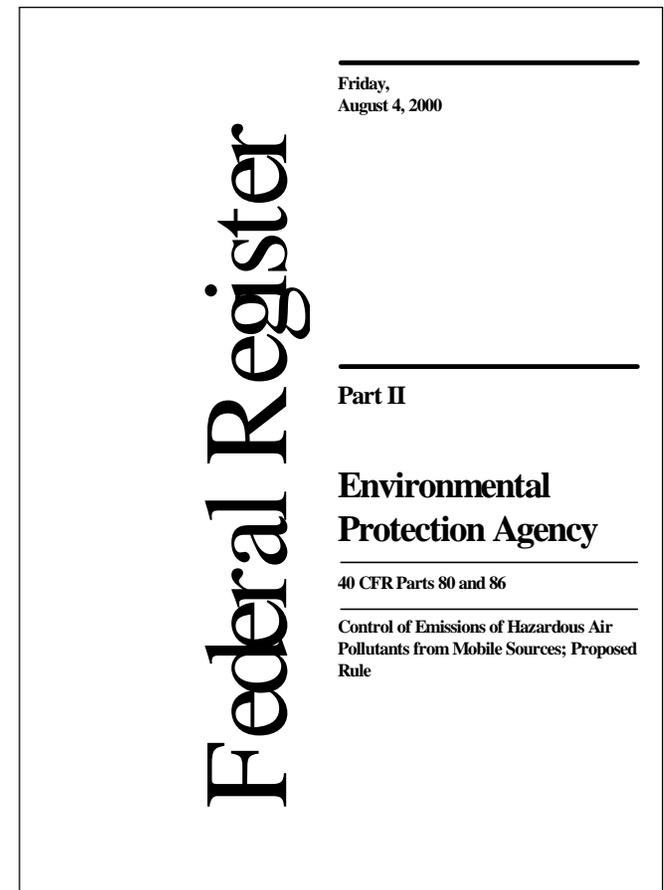
Mobile Source Air Toxics Rulemaking



Mobile Sources Technical Review Subcommittee
Old Town Alexandria, VA / January 17, 2001

Rulemaking Schedule of Events

- NPRM was signed July 14
 - Published August 4, 2000
- Public Comment
 - Public hearing was August 21
 - Comment period ended September 20
- Final rule signed December 20
 - Not yet published



Major Rule Components

- Mobile Source Air Toxics List
- Toxic Emissions Performance Requirement
 - Anti-backsliding Requirements
 - Avoided Increases
- Commitment to Future Rulemaking
 - Technical Analysis Plan
 - Re-open rule in 2003/ Finalize by July, 2004.

List of 21 Mobile Source Air Toxics

Acetaldehyde*	Dioxin/furans*	MTBE
Acrolein*	Ethylbenzene	Naphthalene
Arsenic Compounds*	Formaldehyde*	Nickel Compounds*
Benzene*	n-hexane	POM (sum of 7)*
1,3-Butadiene*	Lead Compounds*	Styrene
Chromium Compounds*	Manganese Compounds*	Toluene
Diesel Particulate Matter + Diesel Exhaust Organic Gases (DPM+DEOG)	Mercury Compounds*	Xylene

Toxic Emissions Performance Requirement

- Refinery-specific Toxic Emissions Performance Requirement (TPR)
 - Baseline Years: 1998-2000
 - Separate Standards for RFG and CG
 - Compliance Margins
 - Deficit and Credit Carry Forward
 - Hardship Waiver

Overcompliance with Toxics Performance Standards (RFG & CG)

	Standards (Phase I RFG; national average CG baseline)	1998 Average	Percent Difference
RFG, Percent Reduction, Total Toxics Performance	16.5% reduction (45.3 mg/mi)	30.3% reduction (38.4 mg/mi)	15%
CG, Mass Emissions, Exhaust Toxics Performance	47 mg/mi	44 mg/mi	6%

Avoided Increases

- Anti-backsliding Avoided Increases (TPR)
 - Difference between current levels and legal standards.
 - TPR applies to total mass of five toxics:
 - Benzene, 1,3-butadiene, formaldehyde, acetaldehyde, and POM.
 - The TPR will capture 70 tons of overcompliance with mass emissions of five mobile source air toxics in 1996, and 40 tons in 2007.

Commitment to Future Rule

- Address data gaps identified in technical analysis plan (2000-2003).
- On or before July, 2003, re-open rule as warranted by new information.
- On or before July, 2004, finalize rule.

Technical Analysis Plan

- Four Critical Data Gaps
 - Nonroad air toxic emission factors
 - Human exposure levels in microenvironments
 - Hot spot concentrations and exposures
 - Effectiveness and cost of vehicle and fuel controls
- Commitment to hold three workshops
 - Models, Hot spots, Controls.