

Summary and Analysis of Comments

Control of Hazardous Air Pollutants from Mobile Sources

Introduction/Lists of Acronyms and Commenters

Assessment and Standards Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency



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INDEX OF MSAT PROPOSAL COMMENTERS

Commenter	Abbreviation	Docket ID Number
Alaska Department Of Environmental Conservation	ADEC	OAR-2005-0036-0975
American Chemistry Council Olefins Panel		OAR-2005-0036-0823
American Petroleum Institute ²	API	OAR-2005-0036-0366, -0367, -0884
(Municipality of) Anchorage Department of Health and Human Services	Anchorage	OAR-2005-0036-0976
Association of Local Air Pollution Control Officials ⁴	ALAPCO	OAR-2005-0036-0836, -0378
Caribbean Petroleum	--	OAR-2005-0036-1010
Colonial Oil Industries, Inc.	Colonial	OAR-2005-0036-0990
DSD International Inc.	DSD	OAR-2005-0036-0377, -0
Engine Manufacturers Association	EMA	OAR-2005-0036-0810
ExxonMobil	XOM	OAR-2005-0036-0772, -1013
Florida Department of Environmental Protection	FL DEP	OAR-2005-0036-0770
Giant Industries, Inc.	Giant	OAR-2005-0036-0831, -0883
Hess Corporation	Hess	OAR-2005-0036-0769
Independent Fuel Terminal Operators Association	IFTOA	OAR-2005-0036-1007
International Truck and Engine Corporation	International	OAR-2005-0036-0826
Lotus Engineering		OAR-2005-0036-1033
Marathon Petroleum Company, LLC	MPC	OAR-2005-0036-0946, -1008

Mitsubishi Motors		
Mothers and Others for Clean Air	Mothers/Others	OAR-2005-0036-0991
Natural Resources Defense Council ¹	NRDC	OAR-2005-0036-0868
New York State Department of Environmental Conservation	NY DEC	OAR-2005-0036-0722
Northeast States for Coordinated Air Use Management	NESCAUM	OAR-2005-0036-0993, -0369
Oregon Department of Environmental Quality	ODEQ	OAR-2005-0036-0987
Puget Sound Clean Air Agency	Puget Sound	OAR-2005-0036-0780
Sensors, Inc.	SEMTECH	OAR-2005-0036-0958
Sinclair Oil Corporation ³	Sinclair	OAR-2005-0036-0989, -1011
State and Territorial Air Pollution Program Administrators ⁴	STAPPA	OAR-2005-0036-0836, -0378
Suncor Energy (U.S.A) Inc. ³	Suncor	OAR-2005-0036-0989, -1011
TEIR Associates, Inc	Teir	OAR-2005-0036-0838, 1012
U.S. Oil & Refining, Co.	USOR	OAR-2005-0036-0992
U.S. Senators (Wyden et al; Enzi et al)		
Vermont Air Pollution Control Division	Vermont	OAR-2005-0036-0444
Wisconsin Department of Natural Resources	WDNR	OAR-2005-0036-0828

1- ALA, ED, NRDC, PIRG commented together

2- API and NPRA commented together

3- Flying J, Sinclair, Suncor, and Tesoro commented together (refiners in the Rocky Mountain and Pacific Northwest regions (PADDs 4 and 5, respectively))

4- STAPPA & ALAPCO commented together

LIST OF ACRONYMS

ABT	Averaging, Banking, and Trading
AECD	Auxiliary Emission Control Device
ALVW	Adjusted Loaded Vehicle Weight
ANLL	Acute Nonlymphocytic Leukemia
AML	Acute Myelogenous Leukemia
AOD	Airway Obstructive Disease
ASPEN	Assessment System for Population Exposure Nationwide
ASTM	American Society for Testing and Materials
ATPZEV	Advanced Technology Partial Zero Emission Vehicle
ATV	All-Terrain Vehicle
bpcd	Barrels per Calendar Day
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene isomers
BWC	Best Workplaces for Commuters
CAA	Clean Air Act
CAFE	Corporate Average Fuel Economy
CAIR	Clean Air Interstate Rule
CAMx	Comprehensive Air Quality Model with Extensions
CARB	California Air Resources Board
CASAC	Clean Air Science Advisory Committee
CBA	Cost Benefit Analysis
CCD	Combustion Chamber Deposits
CD	Criteria Document
CG	Conventional Gasoline
CIIT	Chemical Industry Institute of Technology
CLL	Chronic Lymphocytic Leukemia
CM	Complex Model
CMAQ	Community Multi-scale Air Quality
CNLL	Chronic Nonlymphocytic Leukemia
CO	Carbon Monoxide
CRC	Coordinating Research Council
CRF	Concentration-Response Functions
Cr(VI)	Hexavalent Chromium
DF	Deterioration Factor
DIS	Document Index System
DoE, DOE	U.S. Department of Energy
DRIA	Draft Regulatory Impact Analysis
E&C	Engineering and Construction
EIA	Energy Information Administration
EIA	Economic Impact Analysis
EIM	Economic Impact Model
EO	Executive Order
EPAct	Energy Policy Act
ETBE	Ethyl Tertiary Butyl Ether

EU	European Union
EVOH	Ethylene Vinyl Alcohol
FACES	Fresno Asthmatic Children's Environment Study
FCC	Fluidized Catalytic Cracking
FE	Fuel Economy
FEL	Family Emissions Limit
FEV	Forced Expiratory Volume
FFV	Flex-Fuel Vehicle
FR	Federal Register
FTP	Federal Test Procedure
FUL	Full Useful Life
FY	Fiscal Year
GVWR	Gross Vehicle Weight Rating
HAD	Health Assessment Document
HAP	Hazardous Air Pollutant
HAPEM	Hazardous Air Pollutant Exposure Model
HC	Hydrocarbon
HDPE	High Density Polyethylene
HDV	Heavy-duty Vehicle
HEI	Health Effects Institute
HI	Hazard Index
HLDTs	Heavy Light-duty Trucks
HQ	Hazard Quotient
IARC	International Agency for Research on Cancer
ICIs	Independent Commercial Importers
IM, I/M	Inspection and Maintenance
IRIS	Integrated Risk Information System
IVD	Intake Valve Deposits
LDGTs	Light-duty Gasoline Trucks
LDGVs	Light-duty Gasoline Vehicles
LDTs	Light-duty Trucks
LDVs	Light-duty Vehicles
LEV	Low Emission Vehicle
LLDT	Light Light-duty Trucks
LP	Linear Programming
LVW	Loaded Vehicle Weight
MATES-II	Multiple Air Toxics Exposure Study
MDPVs	Medium-duty Passenger Vehicles
MFV	Multi-Fueled Vehicle
MLE	Maximum Likelihood Estimate
MRADs	Minor Restricted Activity Days
MSATs	Mobile Source Air Toxics
MTBE	Methyl Tertiary Butyl Ether
MY	Model Year
NAAQS	National Ambient Air Quality Standard

NAS	National Academy of Sciences
NATA	National Air Toxics Assessment
NCER	National Center for Environmental Research
NCI	National Cancer Institute
NCI-CAPM	National Cancer Institute and Chinese Academy of Preventative Medicine
NEI	National Emissions Inventory
NERL	National Exposure Research Laboratory
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NHEERL	National Health and Environmental Effects Research Laboratory
NHL	Non-Hodgkin's Lymphoma
NIOSH	National Institute for Occupational Safety and Health
NLEV	National Low Emission Vehicle
NMHC	Non-methane Hydrocarbon
NMIM	National Mobile Inventory Model
NMMAPS	National Morbidity, Mortality, and Air Pollution Study
NMOG	Non-methane Organic Gas
NO _x	Oxides of Nitrogen
NPRM	Notice of Proposed Rulemaking
NRC	National Research Council
NRMRL	National Risk Management Research Laboratory
OBD	On-board Diagnostics
OMB	Office of Management and Budget
OTAQ	Office of Transportation and Air Quality
PADD	Petroleum Administration Districts for Defense
PAHs	Polycyclic Aromatic Hydrocarbons
PAMS	Photochemical Assessment Monitoring Stations
PFC	Portable Fuel Container
PFID	Port Fuel Injectors
PM	Particulate Matter
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
PoD	Point of Departure
POM	Polycyclic Organic Matter
ppbv	Parts Per Billion by Volume
ppm	Parts per Million
ppmv	Parts per Million by Volume
PZEV	Partial Zero Emission Vehicle
RADs	Restricted Activity Days
RBOB	Reformulated Blendstock for Oxygenate Blending
REL	Reference Exposure Level
RfC	Reference Concentration
RfDs	Reference Doses
RFG	Reformulated Gasoline
RFS	Renewable Fuels Standard

RIA	Regulatory Impact Analysis
RIOPA	Relationship among Indoor, Outdoor, and Personal Air
RRADs	Respiratory-related Restricted Activity Days
RVP	Reid Vapor Pressure
SAB	Science Advisory Board
SAB-HES	Science Advisory Board's Health Effects Subcommittee
SBAR Panel	Small Business Advocacy Review Panel (or, 'The Panel')
SBREFA	Small Business Regulatory Enforcement Fairness Act
SERs	Small Entity Representatives
SFTP	Supplemental Federal Test Procedures
SHED	Sealed Housing for Evaporative Determination
SI	Spark Ignition
SLAMS	State and Local Air Monitoring Stations
SO ₂	Sulfur Dioxide
SOA	Secondary Organic Aerosol
SULEV	Super Ultra Low Emission Vehicle
SVMs	Small Volume Manufacturers
SwRI	Southwest Research Institute
TAME	Tertiary Amyl Methyl Ether
TEACH	Toxic Exposure Assessment – Columbia/Harvard
THC	Total Hydrocarbon
TLEV	Transitional Low Emission Vehicle
TSP	Total Suspended Particulates
ULEV	Ultra Low Emission Vehicle
ULSD	Ultra-low Sulfur Diesel
URF	Unit Risk Factor
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
VSL	Value of a Statistical Life
ZEV	Zero-Emission Vehicle