

\*\*\*\*\*  
HOW TO OBTAIN DOCUMENTS FROM THE OFFICE OF AIR AND RADIATION  
\*\*\*\*\*

The supporting documentation listed in this index is available for public inspection and copying between 8:00 and 5:30 p.m., Monday through Friday, except for Federal holidays, at the following address: U.S. Environmental Protection Agency, Air and Radiation Docket and Information Center (6102), 401 M Street SW, Washington, DC 20460; telephone number: (202) 260-7548, FAX (202) 260-4400.

The docket is located at the above address in Room M-1500, Waterside Mall (ground floor).

Documents may be requested by mail, fax, or telephone. When requesting documents, please provide the docket and item number.

The e-mail address for the Air & Radiation Docket and Information Center is [a-and-r-docket@epamail.epa.gov](mailto:a-and-r-docket@epamail.epa.gov).

Photocopying fees for the public are set by EPA interim policy directed by the Agency's Freedom of Information (FOI) Office. Under this policy the photocopying fee is \$0.15 per page, and no fee will be charged if the total fee is under \$25.00. The first 266 pages are free. However, if more than 266 pages are copied an additional photo duplication free of \$25.00 plus \$0.15 for each page starting with page 267 is charged.

**This docket Index (A-95-27) is current as of 12/01/99**



**MASTER INDEX: DOCKET A-95-27**

**CONTROL OF EMISSIONS OF AIR POLLUTION  
FROM HIGHWAY HEAVY-DUTY ENGINES**

**Subject Matter**

- I. Notice of Intent or ANPRM, if any
- II. Items Considered in Developing Proposal
- III. Proposal
- IV. Additional Items Considered After Proposal in Developing Final Rule
- V. Final Action

SPECIAL NOTE: Air Quality Criteria for Particulate Matter, Volumes 1, 2 & 3 are located in the next drawer down/4th drawer in the back.

Updated December 6, 1999

Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines

Subcategory I: Notice of Intent or ANPRM

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
AMS-FRL	8-31-95	ANPRM Control of Air Pollution for Heavy-Duty Engines	

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-A: EPA Studies or Contractor Reports**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-A-01	6-28-96	Air Quality Criteria for Oxides of Nitrogen, EPA-600/8-91/049aF-cF (NTIS)	8-93
II-A-02	6-28-96	Deposition of Air Pollutants to Great Waters: First Report to Congress, EPA-453/R-93-055	5-94
II-A-03	6-28-96	"Acid Deposition Standard Feasibility Study, A Report to Congress," Cadmus Group, Inc., contract #68-D2-0168	2-6-95
II-A-04	6-28-96	Air Quality Criteria for Ozone & Related Photochemical Oxidants, EPA-600/P-93/004aF/bF/cF (NTIS)	7-96
II-A-05	6-28-96	Regional Ozone Modeling for Northeast Transport (ROMNET), EPA-450/4-91-002a	6-91
II-A-06	6-28-96	"Response of Regional Ozone to VOC & NOx Emissions Reductions: An Analysis for Eastern United States Based on Regional Oxidant Modeling" S. Chu, E. Meyer, W. Cox, R. Scheffe	Undated
II-A-07	6-28-96	"Modeling Analyses of Ozone Problems in the Northeast," J. Kuruvilla, et al., CA #X819328-01-0, EPA-230-R-94-108	1994
II-A-08	6-28-96	"National Air Pollutant Emissions Trends, 1990-1993," EPA-454/4-94-027	10-94

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-A-09	6-28-96	"Summary of EPA Regional Oxidant Model Analyses of Various Regional Ozone Control Strategies"	11-28-94
II-A-10	6-28-96	State of Southern Oxidants Study: Policy-Relevant Findings in Ozone Pollution Research 1988-1994	4-95
II-A-11	6-28-96	"Inventory Development Summary Report," E.H. Pechan & Associates (Draft)	8-95
II-A-12	6-28-96	"Estimated Economic Impact of New Emission Standards for Heavy-Duty On-Highway Engines," Acurex Environmental, contract #68-C5-0010	1-26-96
II-A-13	6-28-96	"Heavy-Duty Engine Rebuilding Practices," EPA Final Report	3-21-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-B: EPA Factual Memoranda**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-B-01	7-3-96	M. Nichols, EPA, to Regional Administrators, re Ozone Attainment Demonstrations	3-2-95
II-B-02	7-3-96	J. Seitz, OAQPS, to Regional Air Directors re "Section 182(f) Nitrogen Oxides (NOx) Exemptions --Revised Process and Criteria"	2-8-95
II-B-03	7-3-96	J. Seitz, OAQPS, to Regional Air Directors re "Section 182(f) Nitrogen Oxides (NOx) Exemptions --Revised Process and Criteria"	5-27-94
II-B-04	7-3-96	T. Wyszor, EPA, to Air Docket re Summary of Heavy-Duty Engine Emission Control Technologies	8-24-95
II-B-05	7-3-96	Office of Enforcement & General Counsel re Interim Tampering Enforcement Policy	16-25-74
II-B-06	7-3-96	Engine Switching Fact Sheet	4-2-91
II-B-07	7-3-96	P. Carlson, EPA, to Air Docket re Cost-Effectiveness Analysis of Proposed Heavy-Duty Engine Standards	6-10-96
II-B-08	7-3-96	C. Lieske, EPA, to Air Docket re options for heavy-duty gasoline engine emission standards	7-1-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-C: EPA Correspondence  
to Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-C-01	8-29-96	D. Zane, Coalition for Clean Air, & A. Levinson, Sierra Club, from M. Nichols, EPA	1-12-95
II-C-02	8-29-96	R. Baldwin, Ventura County Air Pollution Control District, from C. France, EPA, in response to control #OAR-96-0080	2-20-96
II-C-03	8-29-96	B. Carhart, Ozone Transport Commission, from M. Oge, EPA, in response to II-D-76	Undated

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-01	8-31-95	American Lung Association, etal., to M. Nichols, EPA	12-22-95
II-D-02	8-31-95	D. Tyler, STAPPA, & R. Colby, ALAPCO, to C. Browner, EPA	5-4-95 8-7-95
II-D-03	8-31-95	J. Grumet, Northeast States for Coordinated Air Use Management (NESCAUM), to C. Browner, EPA	5-18-95 8-7-95
II-D-04	8-31-95	J. Hambright, Mid-Atlantic Regional Air Management Association (MARAMA), to C. Browner, EPA	6-5-95
II-D-05	8-31-95	B. Bertelsen, MECA, to C. Browner, EPA	6-9-95
II-D-06	8-31-95	V. Kun & R. Kassel, Natural Resources Defense Council, to C. Browner, EPA	8-9-95
II-D-07	8-31-95	S. LaBruna, Public Service Electric & Gas Company, to C. Browner, EPA	8-1-95
II-D-08	8-31-95	A. Schaeffer, American Trucking Association, to C. France, EPA	7-24-95
II-D-09	8-31-95	M. Gade, State of Illinois EPA, to C. Browner, EPA	3-3-95
II-D-10	8-24-95	P. Simon, U.S. Senate, to C. Browner, EPA, re letter from J. Edgar, State of Illinois	6-8-95
II-D-11	8-31-95	L. Hill, Appalachian Mountain Club, to C. Browner, EPA	6-22-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-12	8-31-95	A. Aitken, New England Power Service Company, to C. Browner, EPA	8-1-95
II-D-13		T. Coxe, Commonwealth of Massachusetts, to C. Browner, EPA	8-2-95
II-D-14		F. DuMella, American Lung Association, to C. Browner, EPA	8-8-95
II-D-15	8-24-95	Resolution of the States of the Ozone Transport Commission supporting EPA's efforts to control emissions from diesel engines	6-13-95
II-D-16	8-24-95	K. Colburn, State of New Hampshire Department of Environmental Services, to S. Studlien, EPA New England	7-31-95
II-D-17	8-22-95	L. Whitney, Environmental Council of Sacramento, & K. Mead, Air & Transportation Committee, to C. Browner, EPA	7-28-95
II-D-18		P. Miller, Environmental Defense Fund & W. Alton Jones Foundation, to C. Browner, EPA	7-24-95
II-D-19		D. Minano, General Motors Corporation, to C. Browner, EPA	6-30-95
II-D-20		J. Garrison, American Lung Association, to C. Browner, EPA	7-17-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-21		D. Sterman, New York State Department of Environmental Conservation, to C. Browner, EPA	7-20-95
II-D-22		D. Gordon, Union of Concerned Scientists, to C. Browner, EPA	7-31-95
II-D-23		M. Ogden, New Jersey General Assembly, to C. Browner, EPA	8-9-95
II-D-24	9-7-95	D. Gere, Region 5, to EPA Air Docket	9-5-95
II-D-25	9-6-95	W. Butterbaugh, National Propane Gas Association, to EPA Air Docket	8-31-95
II-D-26	8-31-95	F. Jackson, BSME Northwestern University/MME University of Delaware, to T. Wysor, EPA	9-12-95
II-D-27		M. Berry, New Jersey Clean Air Council, to C. Browner, EPA	8-23-95
II-D-28		S. Holbrook, State of Connecticut, to C. Browner, EPA	8-17-95
II-D-29		J. Williams, State of Washington, to M. Nichols, EPA	7-20-95
II-D-30	10-2-95	J. Rue, Commonwealth of Pennsylvania, to EPA Air Docket	10-2-95
II-D-31		J. Clarke, American Gas Association, to T. Wysor, EPA	10-3-95
II-D-32	10-2-95	S. Nichols, Western Highway Institute, to EPA Air Docket	9-29-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-33	10-2-95	G. Vlasek, California Natural Gas Vehicle Coalition, to EPA Air Docket	9-25-95
II-D-34		C. Ashworth, Virginia Farm Bureau Federation, to M. Oge, EPA	9-28-95
II-D-35		D. Osborne, South Dakota Petroleum Marketers Assn., to M. Oge, EPA	9-28-95
II-D-36		J. Olsen, Indiana Highway Users Conference, to M. Oge, EPA	9-28-95
II-D-37	11-3-95	W. Butterbaugh, National Propane Gas Association, to EPA Air Docket	10-30-95
II-D-38		J. Summers, Rhone-Poulenc, to T. Wysor, EPA	10-2-95
II-D-39		T. Cackette, California Air Resources Board, to EPA Air Docket	9-19-95
II-D-40		American Trucking Associations, Inc. (ATA), to EPA	10-17-95
II-D-41	10-2-95	Automotive Engine Rebuilders Association, etal., to EPA	10-2-95
II-D-42	10-16-95	International Association of Drilling Contractors, to EPA	10-13-95
II-D-43	10-16-95	Neal Gerber & Eisenberg, on behalf of Engine Manufacturers Association, to EPA	10-13-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-44	10-17-95	Collier, Shannon, Rill & Scott on behalf of Society of Independent Gasoline Marketers of America, to EPA	10-12-95
II-D-45	10-17-95	Maryland Department of the Environment to EPA	10-10-95
II-D-46	10-17-95	D. Fortier, Greater Boston Clean Cities Initiative, to EPA Air Docket	10-13-95
II-D-47		J. Lamare, Cleaner Air Partnership, to EPA	10-11-95
II-D-48	10-2-95	Southern California Gas Company, to EPA Air Docket	9-29-95
II-D-49	10-13-95	Texas Utilities Services, Inc., to EPA Air Docket	10-12-95
II-D-50	10-16-95	STAPPA/ALAPCO to EPA Air Docket	10-13-95
II-D-51		B. Bertelsen, Manufacturers of Emission Controls Association (MECA), to M. Oge, EPA	10-1-95
II-D-52	10-17-95	Dr. D. Wojick, Coalition for a Workable Clean Air Program, to EPA	10-2-95
II-D-53	10-2-95	D. Greenhaus, National Automobile Dealers Association, to EPA Air Docket	10-2-95
II-D-54	10-23-95	B. Carhart, Ozone Transport Commission, to EPA Air Docket	10-23-95
II-D-55	10-20-95	W. O'Keefe, American Petroleum Institute, to M. Oge, EPA	10-19-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-56	10-23-95	V. Kun, The Natural Resources Defense Council, on behalf of Union of Concerned Scientists, etal., to EPA Air Docket	10-23-95
II-D-57		A. Fossa, New York State Department of Environmental Conservation, to T. Wysor, EPA	10-23-95
II-D-58	10-26-95	U. Sternfels, National Petroleum Refiners Association, to EPA Air Docket	10-23-95
II-D-59	10-23-95	C. LaFoy, Clark Refining & Marketing, Inc., to EPA Air Docket	10-23-95
II-D-60	10-23-95	A. Farner, Tosco Corporation, to EPA Air Docket	10-23-95
II-D-61	10-31-95	D. West, State of New Jersey, to EPA Air Docket	10-23-95
II-D-62		D. Lamb, 76 Products Company, to M. Oge, EPA	10-13-95
II-D-63	10-27-95	L. Kawasaki, City of Los Angeles, California, to EPA Air Docket	10-20-95
II-D-64		K. Colburn, State of New Hampshire, to C. Browner, EPA	9-29-95
II-D-65		G. Whidby, Florida Petroleum Marketers Association, Inc., to M. Oge, EPA	9-27-95
II-D-66		D. Scott, Iowa Good Roads Association, Inc., to M. Oge, EPA	9-28-95

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-67		S. Rudloff, Missouri Limestone Producers Association, to M. Oge, EPA	10-2-95
II-D-68		G. Patterson, Delaware Highway User's Federation, to M. Oge, EPA	10-6-95
II-D-69		J. Atterberry, Associated General Contractors of Missouri, Inc., to M. Oge, EPA	9-28-95
II-D-70	1-11-96	C. Williams, Minnesota Pollution Control Agency, to EPA Air Docket	12-13-95
II-D-71		R. Baldwin, Ventura County Air Pollution Control District, to M. Nichols, EPA	1-18-96
II-D-72		F. DuMelle, American Lung Association, J. Grumet, NESCAUM, & B. Bertelsen, MECA, to M. Nichols, EPA	1-29-96
II-D-73		D. Drake, Michigan DEQ, etal., to M. Nichols, EPA	3-15-96
II-D-74		Lake Michigan Ozone Study/Control Program, Project Report	12-95
II-D-75		Reducing Emissions From Heavy-Duty Trucks; California Perspective on NOx Control, presented by T. Cackette, California Air Resources Board, SAE Government/Industry Meeting	4-2-96
II-D-76		B. Carhart, Ozone Transport Commission, to M. Oge, EPA	3-12-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory II-D: Correspondence Received  
from Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-D-77		M. Leister, Marathon Oil Company, to C. Browner, EPA	10-13-95
II-D-78		S. Becker, State & Territorial Air Pollution Program Administrators (STAPPA) & Association of Local Air Pollution Control Officials (ALAPCO), to M. Nichols, EPA	10-20-95
II-D-79		"Conversion Factors for Secondary Formation of PM10 Nitrate from NOx Emissions for California," California Air Resources Board (CARB)	6-6-96
II-D-80		"Learning Curves in Manufacturing," Argote/Epple as published in Science, Volume 247	2-23-90
II-D-81		"Treating Progress Functions as a Managerial Opportunity," New York University, as published in Academy of Management Review	1984

Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines

Subcategory II-F: Interagency Review Materials

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-F-01		B. Felrice, DOT/NHTSA, to M. Samulski, EPA	12-29-95
II-F-02		J. Scapellato, DOT/FHA, to M. Samulski, EPA	1-23-96
II-F-03		Heavy-Duty Engine NPRM Preamble (draft) comments from OMB	5-29-96
II-F-04		EPA response to OMB comments on NPRM	6-6-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory III-A: Notice of Proposed Rulemaking**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
III-A-01	8-14-96	Notice of Proposed Rulemaking as signed	6-19-96
III-A-02	8-14-96	Control of Emissions of Air Pollution from Heavy-Duty Engines, NPRM, Draft Regulatory Text	Undated
III-A-03	8-14-96	Draft Information Collection Request for Control of Air Pollution from Highway Heavy-duty Engines, NPRM as submitted to OMB	7-96

Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines

Subcategory III-B: Proposed Support Document

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
III-B-01		Draft Regulatory Impact Analysis: Control of Emissions of Air Pollution from Highway Heavy-Duty Engines	6-6-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-A: Additional EPA Studies or Contractor Reports**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-A-01	5-19-97	Final Report "Benefits of Mobile Source NOx Related Particulate Matter Reductions" by Systems Applications International, contract #68-C5-0010	10-96
IV-A-02	5-19-97	Final Report "Industry Characterization: On-Road Heavy Duty Diesel Engine Rebuilders" by ICF, Inc., contract #68-C5-0010	1-3-97
IV-A-03	5-19-97	Draft Final Report "Benefits of Reducing Mobile Source NOx Emissions" by ICF, Inc.	9-30-96
IV-A-04		Report "Summaries of Local-Scale Source Characterization Studies" by E.H. Pechan & Associates, Inc., EPA-230-S-95-002	7-94
IV-A-05		Final Report "Update of EPA's Motor Vehicle Emission Control Equipment Retail Price Equivalent (RPE) Calculation Formula" by Jack Faucett Associates, contract #68-03-3244	9-4-85

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-B: Additional EPA Factual Memoranda**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-B-01	5-19-97	Memorandum of Understanding between EPA/Northeast States for Coordinated Air Use Management/ California Air Resources Board re "Developing an Understanding of In-use Emissions from Heavy-duty Diesel Engines"	3-21-97
IV-B-02	8-19-97	C. Bohnenkamp, EPA/Region 9, to EPA Air Docket re regional nature of secondary nitrate PM in California	7-30-97
IV-B-03	9-29-97	N. Possiel, RTP, to T. Wysor, EPA, re EPA Staff Observations from Recent Air Quality Modeling	8-18-97
IV-B-04	9-29-97	P. Carlson, EPA, to Air Docket re Cost-Effectiveness Analysis of New Heavy-Duty Diesel Engine Standards	8-8-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-C: Additional EPA Correspondence to  
Persons Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-C-01	9-19-97	Guidance to States on In-use Smoke Test Procedure for Highway Heavy-duty Diesel Vehicles, signed by M. Oge, EPA	4-3-97
IV-C-02	9-19-97	C. Lieske, EPA, to EPA Air Docket re draft regulations provided to Engine Manufacturers Association in August 1997	9-18-97
IV-C-03	11-6-97	C. France, EPA, to all interested parties re announcing signing of final rule "Control of Emissions of Air Pollution from Highway Heavy-duty Engines"	10-7-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-D: Comments and Correspondence from Persons  
Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-01	8-22-96	D. Lamb, 76 Products Company, to EPA Air Docket	8-15-96
IV-D-02	8-21-96	R. Baldwin, Ventura County Air Pollution Control District, to EPA Air Docket	8-13-96
IV-D-03	8-12-96	F. Du Melle, American Lung Association, to EPA Air Docket	4-12-96
IV-D-04	8-26-96	J. Summers, Rhone-Poulenc, to EPA Air Docket	8-26-96
IV-D-05		A. Penman, General Motors Corp., to G. Passavant, EPA	7-24-96
IV-D-06	9-13-96	S. Nichols, Western Highway Institute, to EPA Air Docket	9-6-96
IV-D-07	9-12-96	J. Mandel, Counsel, on behalf of Engine Manufacturers Assn., to EPA Air Docket	9-12-96
IV-D-08	9-12-96	J. Elston, State & Territorial Air Pollution Programs Administrators (STAPPA), & R. Baldwin, Association of Local Air Pollution Control Officials (ALAPCO), to EPA Air Docket	9-12-96
IV-D-09	9-16-96	B. Stanley, Boston Gas Company, to EPA Air Docket	9-10-96
IV-D-10	9-12-96	R. Kolodziej, Natural Gas Vehicle Coalition, to EPA Air Docket	9-12-96
IV-D-11	9-12-96	Detroit Diesel Corporation to EPA Air Docket	9-12-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-D: Comments and Correspondence from Persons  
Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-12	9-12-96	E. Ridenour, Chrysler Corp., to EPA Air Docket	9-11-96
IV-D-13	9-12-96	L. Dunlop, Southern California Gas Company, to EPA Air Docket	9-10-96
IV-D-14	9-12-96	Caterpillar, Inc., to EPA Air Docket	6-27-96
IV-D-15	9-12-96	Union of Concerned Scientists, etal., to EPA Air Docket	9-11-91
IV-D-16		V. Kim, Natural Resources Defense Council (NRDC), etal., to EPA Air Docket	10-23-95
IV-D-17	9-17-96	R. Jorgensen, Cummins Engine Company, to EPA Air Docket	9-11-96
IV-D-18	9-19-96	D. Pearson, Texas Natural Resource Conservation Commission, to EPA Air Docket	9-12-96
IV-D-19	9-12-96	J. Grumet, Northeast States for Coordinated Air Use Management (NESCAUM), to M. Nichols, EPA	9-11-96
IV-D-20	9-12-96	G. Shetter, Mack Trucks, Inc., to EPA Air Docket	9-10-96
IV-D-21	9-12-96	A. Schaeffer, American Trucking Association, to EPA Air Docket	9-12-96
IV-D-22	9-12-96	W. O'Keefe, American Petroleum Institute, to M. Oge, EPA	9-12-96
IV-D-23	9-17-96	U. Sternfels, National Petroleum Refiners Assn., to EPA Air Docket	9-12-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-D: Comments and Correspondence from Persons  
Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-24	9-12-96	D. Greenhaus, National Auto Dealers Assn., to EPA Air Docket	9-12-96
IV-D-25	9-17-96	G. Vlasek, California Natural Gas Vehicle Coalition, to EPA Air Docket	9-11-96
IV-D-26	9-16-96	K. Brown, Ford Motor Company, to M. Oge, EPA	9-9-96
IV-D-27		J. Strock, California Environmental Protection Agency, to C. Browner, EPA	8-26-96
IV-D-28	9-16-96	C. LaFoy, Clark Refining & Marketing, to EPA Air Docket	9-9-96
IV-D-29	9-17-96	D. Zane, Urban Dimensions, to EPA Air Docket	9-12-96
IV-D-30	9-13-96	B. Kwetz, Commonwealth of Massachusetts, to EPA Air Docket	9-11-96
IV-D-31	9-12-96	S. Leonard, General Motors, to EPA Air Docket	9-10-96
IV-D-32	9-16-96	M. Leister, Marathon Oil Company, to EPA Air Docket	9-10-96
IV-D-33	9-19-96	B. Bertelson, Manufacturers of Emission Controls Association (MECA), to EPA Air Docket	9-19-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-D: Comments and Correspondence from Persons  
Outside the Agency**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-34		C. Lieske, EPA, to Air Docket re Draft Regulatory Text submitted by Engine Manufacturers Assn.	9-18-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-E: EPA Memorandum of Meetings/Telephone  
Conversations With Outside Groups**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-E-01		T. Wysor, EPA, to Air Docket re meeting with Natural Resources Defense Council & Clean Air Network on Heavy-Duty Engine Initiative	8-15-96
IV-E-02		T. Wysor, EPA, to Air Docket re summary of public comments at California Consultative Process Kickoff Meeting	8-14-96
IV-E-03		J. Barrow, EPA, to D. Kopinski & G. Passavant, EPA, re telephone conversation with C. Gladstein on Averaging, Banking & Trading	8-7-96
IV-E-04		C. Lieske, EPA, to Air Docket re meeting with natural gas industry representatives	8-21-96
IV-E-05		C. Lieske, EPA, to Air Docket re meeting with Engine Manufacturers Association (EMA) & member companies	9-6-96
IV-E-06		G. Passavant, EPA, to docket re meeting with state & environmental organizations	
IV-E-07		G. Passavant, EPA, to docket re meeting with EMA	2-21-97
IV-E-08		G. Passavant, EPA, to docket re meeting with industry	5-14-97
IV-E-09		G. Passavant, EPA, to Air Docket re meeting with states & environmental groups	5-27-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-E: EPA Memorandum of Meetings/Telephone  
Conversations With Outside Groups**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-E-10		C. Lieske, EPA, to docket re conference call with State & Territorial Air Pollution Program Administrators (STAPPA) & Association of Local Air Pollution Control Officials (ALAPCO)	5-28-97
IV-E-11		C. Lieske, EPA, to Air Docket re meetings with Otto-cycle Heavy-duty Engine Manufacturers	4-28-97
IV-E-12		C. Lieske, EPA, to Air Docket re telephone conversations with Detroit Diesel Corporation & Cummins Engine Company	4-29-97
IV-E-13		C. Lieske, EPA, to Air Docket re meeting with Navistar International in August 1996	5-29-97
IV-E-14		C. Lieske, EPA, to Air Docket re meeting with Manufacturers of Emission Controls Association (MECA) 11-12-96	5-29-97
IV-E-15		C. Lieske, EPA, to Air Docket re meeting with Otto-cycle Heavy-duty Engine Manufacturers	6-30-97
IV-E-16	7-28-97	G. Passavant, EPA, to Air Docket re conference call with States & Environmental Community on Otto-cycle Emission Standards	7-3-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-E: EPA Memorandum of Meetings/Telephone  
Conversations With Outside Groups**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-E-17	7-28-97	G. Passavant, EPA, to Air Docket re conference call with AAMA representatives on Otto-cycle Engine Emission Standards & Related Requirements	7-3-97
IV-E-18	7-28-97	C. Lieske, EPA, to Air Docket re briefing for OMB	7-18-97
IV-E-19	11-4-97	C. Lieske, EPA, to Air Docket re meeting with Otto-cycle Heavy-Duty Engine Manufacturers	10-9-97
IV-E-20	4-28-98	J. Mueller, EPA, to Air Docket re 3-6-98 meeting with Engine Manufacturers Association	4-2-98
IV-E-21	4-28-98	J. Mueller, EPA, to Air Docket re 3-10-98 telephone call with Manufacturers of Emission Control Association	4-2-98
IV-E-22		T. sherwood, EPA, to Air Docket re 8-13-98 meeting with manufacturers to discuss OBD issues within the context of the heavy-duty gasoline SNPRM	8-27-98
IV-E-23	10-19-98	B. McCabe, EPA, to Air Docket re 3-31-98 conference call with interested state & environmental organizations re SNPRM	10-8-98

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-E: EPA Memorandum of Meetings/Telephone  
Conversations With Outside Groups**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-E-24	10-19-98	B. McCabe, EPA, to Air Docket re summary of calls with manufacturers & representatives re CAP 2000 chassis-certified heavy-duty vehicles	10-8-98
IV-E-25		J. Mueller, EPA, to Air Docket re 8-13-98 conference call with B. Kiss American Automobile Manufacturers Association (AAMA)	10-30-98
IV-E-26		J. Mueller, EPA, to Air Docket re 9-15-98 meeting with EMA	11-4-98
IV-E-27		C. Lieske, EPA, to Air Docket re talks with manufacturers re engine-out emission levels	10-22-98

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-F: Transcript of Hearings/Testimony**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-F-01		Transcript from EPA Hearing held at the Ypsilanti Marriott	8-12-96
IV-F-02		Testimony - Engine Manufacturers Association (EMA)	8-12-96
IV-F-03		Testimony - General Motors Corp.	8-12-96
IV-F-04		Testimony - Northeast States for Coordinated Air Use Management	8-12-96
IV-F-05		Testimony - California Air Resources Board (CARB)	8-12-96
IV-F-06		Testimony - Chrysler Corp.	8-12-96
IV-F-07		Testimony - Cummins Engine	8-12-96
IV-F-08		Testimony - Manufacturers of Emission Controls Association (MECA)	8-12-96
IV-F-09		Testimony - American Trucking Associations, Inc.	8-12-96
IV-F-10		Testimony - Ford Motor Company	8-12-96
IV-F-11		Testimony - AERA/Engine Rebuilders Association	8-12-96

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory IV-H: Interagency Review Materials**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-H-01		R. Mosley, Office of Federal Register, to M. Samulski, EPA, re incorporation by reference	6-19-97
IV-H-02		Comments received from OMB on draft preamble	9-18-97
IV-H-03		Response to OMB comments on draft preamble	9-22-97
IV-H-04		Revised pages of Highway Heavy-Duty Engines Final Rule as submitted to OMB	8-28-97
IV-H-05		Draft preamble for Highway Heavy-Duty Engines Final Rule as submitted to OMB	7-19-97
IV-H-06		Draft regulatory text for Highway Engines Final Rule as submitted to OMB	7-19-97
IV-H-07		Draft summary & analysis of comments for Highway Engines Final Rule as submitted to OMB	7-19-97
IV-H-08		Draft regulatory impact analysis for Highway Engines Final Rule as submitted to OMB	7-19-97

**Master Index: Docket A-95-27  
Control of Emissions of Air Pollution from  
Highway Heavy-Duty Engines**

**Subcategory V - Final Action**

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
V-A-01		40 CFR Parts 9 & 86 "Control of Emissions of Air Pollution from Highway Heavy-Duty Engines; Final Rule," as printed in <u>Federal Register</u>	10-21-97
V-B-01		Final Regulatory Impact Analysis: Control of Emissions of Air Pollution from Highway Heavy-Duty Engines	9-16-97
V-C-01		Summary & Analysis of Comments: Control of Emissions of Air Pollution from Highway Heavy-Duty Engines	9-16-97