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United States
Environmental Protection
Agency

Office of Air
and Radiation
(ANR-443)

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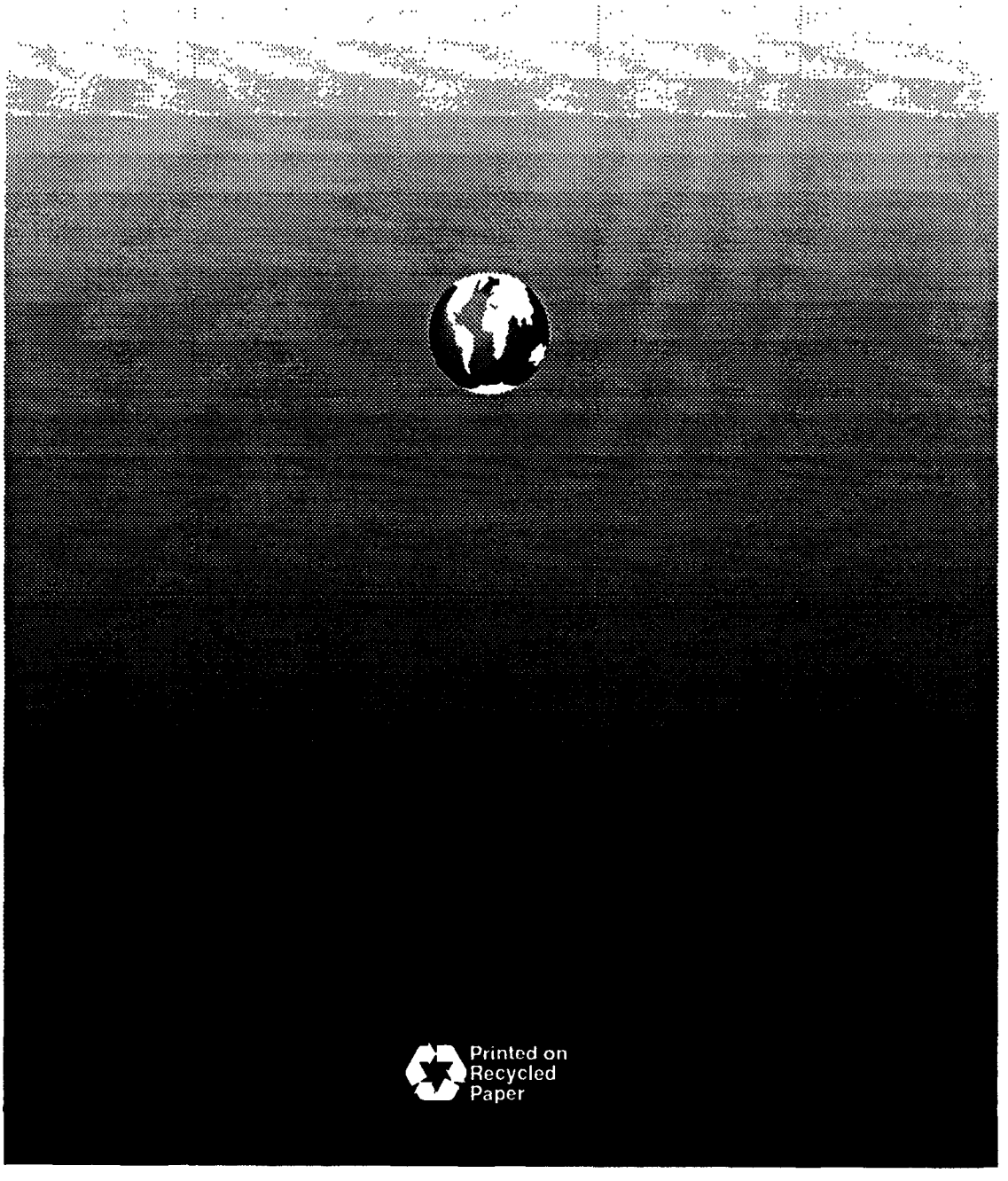
July 1992

Air

Implementation Strategy for the Clean Air Act Amendments of 1990 (Update, 1992)



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUL 24 1992

OFFICE OF
AIR AND RADIATION

Honorable William K. Reilly
Administrator
U.S. Environmental Protection Agency
Washington, D.C. 20460

Dear Mr. Reilly:

Enclosed is the updated two-year implementation strategy for the Clean Air Act Amendments of 1990. The strategy outlines our priorities for the remainder of 1992 and for 1993.

Since the President signed the Clean Air Act Amendments in November 1990, we have made great strides in carrying out the requirements of the Act. In 1991 we completed more than 40 regulatory actions. When fully implemented, these actions will achieve three-fourths of the entire pollution reduction envisioned in the Act.

For the remainder of 1992, we have set forth an ambitious agenda proposing to complete twice the number of actions in 1992 than we completed in 1991. We will continue to use the principles established in our initial strategy as the foundation for implementing the new Act. We will apply market-based approaches to achieve pollution reduction goals while supporting strong and sustainable economic growth. We will solicit input from all interested parties--other governmental organizations, industry, environmental groups, and academics--in creating innovative strategies to efficiently execute statutory requirements.

State and local governments will continue to play an essential and increasing role in implementation of the new Act, consistent with the fundamental thrust of the Act for control programs tailored to the characteristics of each area. In 1992 we will encourage State and local officials to adopt consensus building and market-based strategies in their own implementation efforts. The OAR is increasing significantly its outreach programs to State and local governments in 1992.

The revised two-year strategy highlights key activities completed in 1991 and planned for 1992. The strategy also reiterates our implementation principles and provides an overview of the approaches that we will use to guide and carry out our activities in the most effective fashion. Finally, the strategy displays on a month-by-month basis the major milestones associated with each title of the Act for 1992 and 1993.

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We will review and update the activities in this strategy on an annual basis as we continue our efforts to achieve timely completion of the provisions of the Clean Air Act Amendments of 1990.

Sincerely,

William G. Rosenberg
Assistant Administrator for
Air & Radiation

Enclosure

TABLE OF CONTENTS

IMPLEMENTATION STRATEGY FOR THE CLEAN AIR ACT AMENDMENTS OF 1990 (UPDATE, 1992)

Page

INTRODUCTION 1

Environmental Priorities 2

Implementation Principles 3

IMPLEMENTATION PRINCIPLES FOR THE CLEAN AIR ACT AMENDMENTS OF 1990 5

KEY CLEAN AIR ACT AMENDMENTS ACTIONS IN 1991 7

OAR COMMUNICATION THEMES 9

Business and the Environment 9

Market-Based Programs 9

State and Local Programs 10

Two-Year Scoreboard 10

OAR OUTREACH TOOLS/PUBLICATIONS 11

Existing 11

Upcoming 12

ATTACHMENT A: Implementation Plan 13

ATTACHMENT B: Organization Chart 21

IMPLEMENTATION STRATEGY FOR THE CLEAN AIR ACT AMENDMENTS OF 1990 (UPDATE, 1992)

INTRODUCTION

Signed into law by President Bush on November 15, 1990, the Clean Air Act Amendments of 1990 (CAAA) raised the curtain on a new era of cleaner air for all Americans. The Environmental Protection Agency (EPA) has charged its Office of Air and Radiation (OAR) with the critical task of developing and overseeing the Agency's implementation strategy for the CAAA. OAR's highest priority--and its greatest challenge--for fiscal year 1992 will be the continued implementation of the CAAA.

OAR has identified its four most important goals:

- To bring all cities into health standards attainment;

- To cut air toxic emissions by 75 percent;

- To reduce sulfur dioxide emissions by 10 million tons; and

- To phase out 100 percent of chlorofluorocarbons (CFC's) by the year 1995.

EPA is committed to implement the new Act as cost-effectively as possible, and to ensure that its strategy is fully consistent with national energy and economic policies. The implementation of the amendments will not only employ traditional approaches for controlling air pollution, but also use the power of the marketplace, encourage local initiatives, and emphasize pollution prevention.

OAR's implementation of the new Act is based on a two-year strategy, which is updated each year. **Attachment A** shows the major milestones that occur through 1993, and notes the completion status for each milestone at the time of this report's publication.

The remainder of this report will focus on the Agency's progress to date and on the activities that must occur in fiscal year 1992 to ensure effective implementation of the CAAA.

Environmental Priorities - Building on our Successes in 1992

In the year since the new Clean Air Act was signed, OAR has developed rules that will achieve three-quarters of the entire pollution reduction envisioned in the Act. When fully implemented, the rules already proposed or in place will remove approximately 41 billion of an expected 56 billion pounds of air pollutants per year. (See **Figure 1**.)

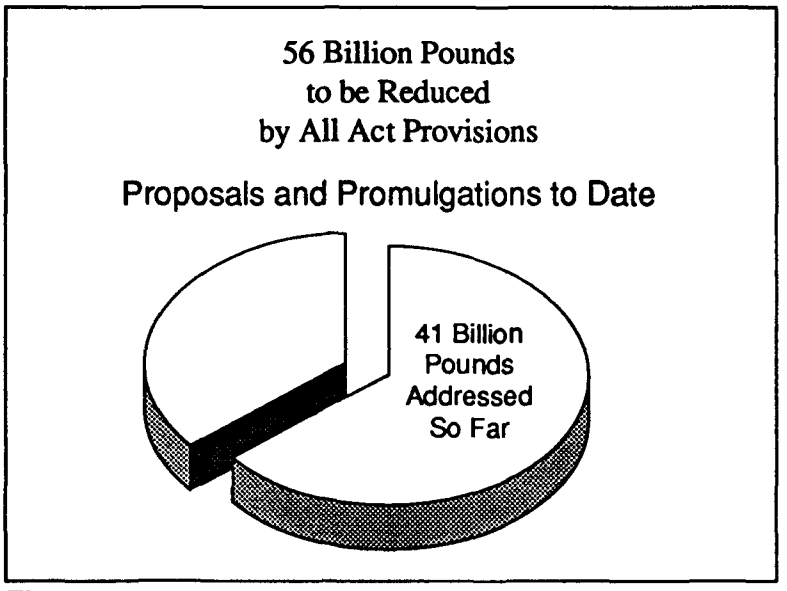


Figure 1

In the second year of CAAA implementation, the Agency will take even greater strides toward cleaning the nation's air and preserving the health of our environment for future generations. OAR's two-year plan includes 92 specific actions for FY 1992, as compared to 40 completed in FY 1991. Its major effort in 1992 will be to move CAAA implementation out to all of the states.

The CAAA requires EPA to promulgate more than 120 regulations by 1995, an average of 24 rules per year. Previously, OAR averaged five to eight rules per year. OAR must also conduct major research programs and carry out more than 90 studies. **Figure 2** shows the number of actions included in the revised two-year implementation strategy.

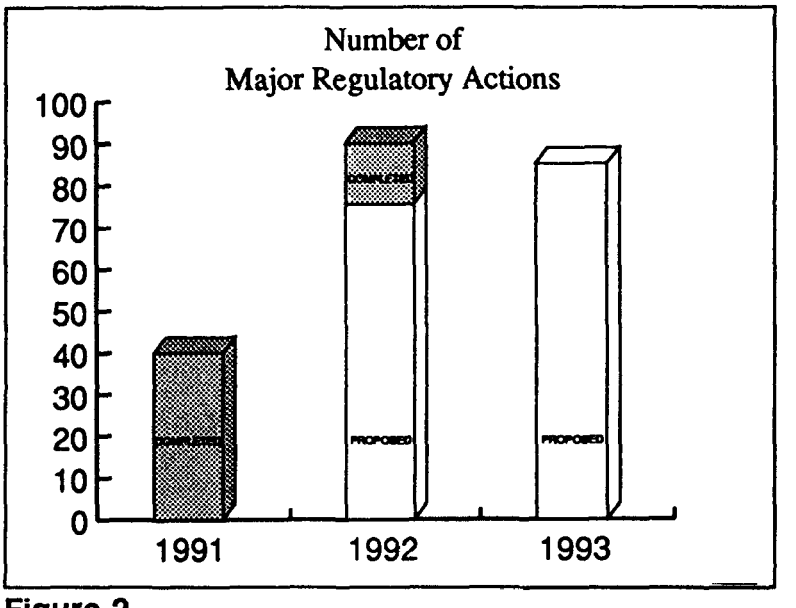


Figure 2

Implementation Principles

The great environmental progress OAR made during the last year is even more significant because of the *way* it was achieved. Guided by the implementation principles shown on page 5, OAR made every effort to base its regulations on innovative, market-based methods, achieving the goals of the Clean Air Act while supporting economic growth and sound energy policy. OAR sought outside help in this process through a massive program of consultation with groups who would be affected by the regulations, ranging from formal regulatory negotiations to informal meetings with interested groups. It worked closely with industry and environmental organizations, other Federal agencies, and State and local governments.

In 1992, OAR will continue on this path, basing regulations on market principles wherever possible, and seeking broad consensus on the design of the rules. As the program shifts more toward implementation in the field, a key element of OAR strategy will be to continue to encourage State and local agencies to adopt consensus building and market-based strategies for their own implementation efforts. OAR has already

supplied major assistance to California, helping the State develop its Regional Clean Air Incentives Market (RECLAIM) program. This innovative initiative will help Los Angeles control smog by applying a market-based emissions trading program.

IMPLEMENTATION PRINCIPLES FOR THE CLEAN AIR ACT AMENDMENTS OF 1990

The Promise of the Clean Air Act

- "Every American expects and deserves to breathe clean air....."
  - President Bush
- The following principles will guide the Agency as we turn the promise of the Act into a legacy of clean air.

Policy

- **E^3:** Achieve and maintain a healthy *environment*, while supporting strong and sustainable *economic* growth and sound *energy* policy.
- **Market-based Strategies:** Use market-based approaches and other innovative strategies to solve environmental problems creatively.

Build Consensus

- **Joint Venture:** Recognize the essential role played by State and local governments.
- **Negotiate:** Use negotiation techniques to resolve critical issues with other interested parties, including other government organizations, industry, environmental groups, and academics.
- **Federal Coordination:** Work closely with EPA Offices, other Federal agencies, and the Congress to ensure a coordinated approach that will achieve environmental objectives as effectively as possible.

Management

- **Deadlines:** Establish and meet commitments to effectively implement key provisions of the Act.
- **Team Effort:** Work together; attract and retain a diverse and talented workforce.

KEY CAAA ACTIONS IN 1991

- **Clean Fuels**: EPA negotiated regulatory agreements on reformulated gasoline and oxygenated fuels. The resulting rules will reduce tailpipe emissions by requiring the use of oxygenated fuel in areas that are nonattainment for carbon monoxide by November of 1992 and, starting in 1995, require the use of reformulated gasoline in severe ozone nonattainment areas.

- **Acid Rain**: EPA proposed a clean air rule that will cut emissions of sulfur dioxide, a major contributor to acid rain, by 50 percent. This is a product of the Acid Rain Advisory Committee, a diverse group representing utilities, state regulators, environmental and consumer groups, the coal and gas industry, and others.

- **Visibility**: On September 18, 1991 EPA promulgated controls on Arizona's Navajo Generating Station. EPA also established a visibility transport commission to identify and evaluate sources and source regions that affect the visibility of the Grand Canyon National Park. In 1993, EPA and the National Park Service will issue an interim report.

- **Clean Air Act Advisory Committee**: The Clean Air Act Advisory Committee (CAAAC) was established in November of 1990 to provide high-level, independent advice to EPA on policy issues related to implementation of the 1990 Clean Air Act Amendments. The CAAAC is comprised of 50 senior representatives from State and local governments, academic institutions, unions, environmental and public interest groups, and industries.

OAR COMMUNICATION THEMES

During 1992, OAR communication efforts will highlight and focus on the following four Communications Themes as we implement our activities.

Business and the Environment

One of EPA's primary goals in implementing the Clean Air Act Amendments is to ensure that the United States achieves and maintains a healthy environment while supporting continued economic growth. EPA will work closely with the business community to ensure that environmental goals are met as cost-effectively as possible. OAR activities in FY 1992 will include six initiatives:

- Publish a Guide for Small Businesses.
- Issue guidance for small business assistance programs.
- Publish a Business Opportunities Report.
- Promulgate a Permit Rule.
- Conduct an innovative Regulatory Strategies Workshop.
- Hold a national Videoconference on Clean Air Issues (AWMA/ABA Cosponsorship).

Market-Based Programs

Market-based tools offer flexibility to industry and encourage the use of pollution-prevention and cost-efficient strategies to meet goals for air pollution reduction. Economic incentives can also encourage the development of innovative emission reduction technologies that promote energy efficiency. OAR programs will include the following five activities:

- Promulgate final Acid Rain Rules.
- Promulgate proposed Economic Incentive Rules.
- Assist the South Coast Air Quality Management District to develop a Regional Clean Air Incentives Market (RECLAIM), a marketable permits program.
- Develop monitoring programs.
- Sponsor a Clean Air Marketplace Conference dedicated to exploring business opportunities created by the Clean Air Act Amendments.

State and Local Programs

OAR recognizes the essential role played by State and local agencies in effectively implementing the Agency's environmental programs. The basic structure of the nonattainment provisions in the Act requires control measures tailored to the severity of the problem in each area. OAR's new Management and Accountability Process System allows negotiation of Regional outputs that are tailored to the unique health and environmental problems found in each Region. OAR's FY 1992 activities will support those programs. They include the following:

- Several conferences and regular consultation with State and local air pollution control officials.
- Help States prepare to submit Emission Inventories.
- Publish a Working Guide for States on CAAA Implementation (to be completed by the CAAAC).
- Hold a conference with State Legislators.

Two-Year Scorecard

Many key final regulations are scheduled to be issued during the final months of 1992. To ensure that we meet statutory deadlines and to assess how our activities achieve our environmental goals, OAR plans to issue four major reports that will provide a perspective on the first two years' experience with CAAA.

- A Report on Ambient Air Quality Trends
- A Report on Environmental Indicators
- An Updated Implementation Strategy
- A Cost/Benefit analysis of the CAAA

OAR OUTREACH TOOLS/ PUBLICATIONS

Existing

- *Clean Air Act Amendments of 1990: Detailed Summary of Titles*
- "The New Clean Air Act: What It Means to You," *EPA Journal* 17, No. 1 (January/February 1991)
- *Implementation Strategy for the Clean Air Act Amendments of 1990* (Updated, 1992)
- *An Introductory Guide to Smart Implementation* (published by the Clean Air Act Advisory Committee)
- *National Air Quality and Emissions Trends Report*, 1990
- "Air Quality Atlas" (a color brochure presenting maps illustrating the nation's air quality network and variances in air quality across the country)
- Clean Air Act Monthly Updates
- Videotapes:
  - PBS Teleconference on the Clean Air Act: *The Legal Winds of Change*, November 1990 (limited quantities)
  - Air and Waste Management Association/American Bar Association Teleconferences: *Update: Implementing the Clean Air Act--EPA Speaks* (February 1991 and 1992). Available from the American Bar Association.
- The following materials on EPA's Acid Rain program can be obtained by contacting the Acid Rain Hotline at 617-674-7377:
  - Acid Rain Fact Sheets that include: Proposed Acid Rain Rules: Overview, Excess Emissions, Allowance System, Permits, Continuous Emissions Monitoring, Allowance Allocations, and Auctions and Sales (final rule)
  - Environmental Benefits (fact sheet)
  - EPA's Acid Rain Program: Charting a New Course in Environmental Protection

- Mobile Source Fact Sheets can be obtained by calling the Office of Mobile Source's National Vehicle and Fuel Emissions Laboratory at 313-668-4333 or the EPA Publication Information Center (PIC) at 202-260-2080. These include:

  - Motor Vehicles and the 1990 Clean Air Act
  - Vehicle Fuels and the 1990 Clean Air Act
  - Clean Cars for Clean Air: Inspection and Maintenance Programs
  - High-Tech Inspection and Maintenance Tests (Procedures and Equipment)

- The following materials on EPA's Stratospheric Ozone Protection program can be obtained by contacting the Stratospheric Ozone Hotline at 800-296-1996:

  - *National Recycling and Emissions Reduction Program: Revised Summary of Planned Proposal*
  - Recycling Refrigerant from Motor Vehicles Air Conditioners (fact sheet)
  - "Help Protect the Ozone Layer: Recycle the Refrigerant in Your Car's Air Conditioner" (brochure)

Upcoming

- *What You Can Do to Reduce Air Pollution: A Citizen's Guide to What Individuals and Communities Can Do to Help Meet the Goals of the Clean Air Act Amendments of 1990*

- Conferences with State Legislators

- *The Clean Air Act Amendments of 1990: A Guide for Small Businesses*

- *The Clean Air Act of 1990: A Primer on Consensus Building* (to be published by the EPA and endorsed by the Clean Air Act Advisory Committee)

- "Refrigerant Recycling in Motor Vehicle Air Conditioners: Guide for Professionals." This brochure can be obtained by contacting the Stratospheric Ozone Hotline at 800-296-1996.

ATTACHMENT A

Clean Air Act Implementation Plan*
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Dec-90	Title I - Nonattainment	Issue "Getting Started" letter to Governors	Y	
		States submit request/justification for 5 percent classification adjustments	Y	Dec-90
Jan-91	Title I - Nonattainment	Publish two-year implementation strategy	Y	
		Publish notice of initial PM-10 moderate nonattainment areas	Y	
		Initiate process to designate additional PM-10, SO_2, and lead nonattainment areas	Y	
	Title VI - CFC's	Prepare listing of ozone depleting substances	Y	Jan-91
Feb-91	Title I - Nonattainment	Act on 5 percent classification adjustment requests	Y	Feb-91
Mar-91	Title I - Nonattainment	States designate nonattainment areas	Y	Mar-91
	Title III - Air Toxics	Propose early reductions rulemaking	Y	
	Title VI - CFC's	Direct final 1991 production limits	Y	
Apr-91	Title I - Nonattainment	States submit PM-10 areas unable to reach attainment by 1994	Y	
		States respond to list of PM-10, SO_2, and lead nonattainment areas	Y	
	Title V - Permits	Propose State permit regulations	Y	
May-91	Title I - Nonattainment	States complete RACT corrections	Partial	May-91
		Notify States of intent to modify suggested boundaries	Y	May-91
	Title II - Mobile Sources	Finalize gasoline Reid Vapor Pressure regulations	Y	May-91
		Finalize Tier I car and truck standards	Y	May-91
		Propose reformulated gasoline requirements	Y	
		Propose clean fuels fleet and California pilot credit programs	Y	
		Propose urban bus regulations	Y	
		Propose emission control diagnostics rule	Y	
	Title IV - Acid Rain	Propose regulations for auctions and sales	Y	
Jun-91	Title I - Nonattainment	Propose PM-10 area reclassifications	Y	Jun-91
	Title III - Air Toxics	Publish draft list of source categories	Y	
		Propose list of high risk pollutants, 90/95 percent early reductions guidance	Y	

*These dates are subject to change based on new risk assessments, court decisions, and changes in available resources.

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Jul-91	Title I - Nonattainment	Finalize ozone, CO, PM-10, and lead nonattainment boundaries	Y	Jul-91
	Title II - Mobile Sources	Propose lead substitute gasoline additives	Y	
	Title VII - Enforcement	Propose administrative penalties rules of practice	Y	
Sept-91	Title VI - CFC's	Propose CFC phase-out regulations	Y	
		Propose mobile air conditions recycling regulations	Y	
Oct-91	Title I - Nonattainment	Publish VOC and CO emission inventory guidance	Y	
	Title II - Mobile Sources	Publish study on non-road engines	Y	Nov-91
Nov-91	Title I - Nonattainment	Publish guidance on control cost effectiveness	Y	Nov-91
		States submit PM-10 SIPs	Partial	Nov-91
		Publish air quality and emissions trends report	Y	
		Establish Grand Canyon visibility transport commission	Y	Nov-91
	Title III - Air Toxics	Propose MACT for dry cleaners (per court order)	Y	
Dec-91	Title I - Nonattainment	Propose outer continental shelf rule	Y	
	Title IV - Acid Rain	Finalize regulations for auctions and sales	Y	Nov-91
		Propose allowance trading system	Y	
		Propose acid rain permit program	Y	
		Propose continuous emission monitor requirements	Y	
		Propose excess emissions rules	Y	
		Propose conservation and renewable incentives	Y	
Jan-92	Title V - Permits	Publish guidance on State programs to assist small businesses	Y	
	Title VI - CFC's	Propose ban on nonessentials products	Y	
Feb-92	Title II - Mobile Sources	Finalize urban bus regulations (1991 and 1992)	Y	
	Title VII - Enforcement	Finalize administrative penalties rules of practice	Y	
Mar-92	Title I - Nonattainment	Publish Title I General Preamble	Y	
	Title II - Mobile Sources	Finalize onboard controls regulatory decision	Y	Nov-91

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Apr-92	Title I - Nonattainment	Propose rules for ozone, NOx, and VOC monitoring	Y	
	Title II - Mobile Sources	Propose rule on reformulated gasoline SNPRM (supplemental notice of proposed rulemaking)	Y	Nov-91
May-92	Title I - Nonattainment	Publish guidance on TCM's (Transportation Control Measures)	Y	Nov-91
		Convene NE Ozone Transport Commission	Y	May-91
	Title II - Mobile Sources	Finalize cold temperature CO standards	Y	Nov-91
	Title VI - CFC's	Propose CFC labeling regulations	Y	
Jun-92	Title V - Permits	Finalize State permit regulations	Y	Nov-91
	Title VI - CFC's	Finalize mobile air conditioning recycling regulations	Y	Nov-91
Jul-92	Title I - Nonattainment	Propose discretionary sanction rules	Y	
		States submit SIPs for initial SO_2 nonattainment areas	Partial	May-92
	Title II - Mobile Sources	Propose enhanced I/M regulation	Y	
	Title III - Air Toxics	Publish final list of source categories	Y	Nov-91
	Title IV - Acid Rain	Propose list of Phase II utility allowances	Y	Dec-91
	Title VI - CFC's	Finalize CFC phase-out regulation	Y	Sept-91
		Revise two-year implementation strategy	Y	
Aug-92	Title I - Nonattainment	Publish Title I NOx guidance		
		Finalize outer continental shelf rules		Nov-91
		Propose additional PM-10 nonattainment areas		
	Title II - Mobile Sources	Finalize oxygenated fuel credit guideline		Aug-91
		Finalize California pilot credit program		Nov-91
	Title III - Air Toxics	Propose HAP list petition procedures		
		Propose rules for risk management plans and prevention programs		
		Propose list of substances for accidental releases prevention program		
	Title IV - Acid Rain	Propose NOx requirements for utility boilers		
	Title VI - CFC's	Propose emission reduction program		
	Title VII - Enforcement	Propose rules for citizen suits		
		Propose monetary awards rules		

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Sept-92	Title I - Nonattainment	Issue transportation planning guidance (EPA/DOT)		
		Finalize guidance on transportation air quality planning		Aug-91
		Finalize PM-10 area reclassifications		Dec-91
		Propose economic incentive rules		
		Finalize PM-10 BACM technical guidance		May-92
	Title II - Mobile Sources	Finalize clean fuels fleet (TCM's)		Nov-91
		Propose revisions to motor vehicle certification procedures (I/M short test)		
	Title III - Air Toxics	Propose regulatory schedule for all source categories		
		Finalize early reductions rulemaking		
		Propose standards for large MWC's		
		Propose standards for small MWC's		
		Propose general provisions for MACT standards (40 CFR Part 63)		
		Propose MACT for hazardous organic chemical manufacturing		
	Title VI - CFC's	Propose accelerated CFC phaseout		
	Title VIII - Miscellaneous	Publish section 811 report (International Competitiveness)		May-92
Oct-92	Title I - Nonattainment	Publish 1991 air quality data and emission trends report		
		Propose transportation conformity criteria		
	Title II - Mobile Sources	Propose clean fuel fleet vehicle standards, conversions, and general provisions		Nov-92
	Title IV - Acid Rain	Finalize excess emission requirements		May-92
		Finalize allowance trading system		May-92
		Finalize continuous emission monitoring requirements		May-92
		Finalize conservation and renewable resource incentives		May-92
		Finalize acid rain permit program		May-92

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Nov-92	Title I - Nonattainment	States submit RACT catch-up rules, NSR rules, CO attainment demonstration and contingency measures		Nov-92
		States submit small business assistance programs		Nov-92
		States submit base ozone, CO emission inventories		Nov-92
		States receive emission source statements		Nov-92
		PM-10 PSD increments (11/92 court agreement)		
	Title II - Mobile Sources	Propose reformulated gasoline complex model		
		Publish draft mobile source air toxics study		
		Finalize urban bus 94+ (PM standard)		Jan-92
		Finalize rules for lead substitution of gasoline additives		Nov-91
		Finalize enhanced I/M regulation		Nov-91
	Title III - Air Toxics	Complete study of hydrogen sulfide emissions from extracting natural gas and oil		Nov-92
		Complete study of the hazards of hydrofluoric acid		Nov-92
		Finalize MACT for dry cleaners (per court order)		Nov-92
		Propose MACT for coke ovens		
	Title VI - CFC's	Propose safe alternatives		
	Title VIII - Miscellaneous	Issue report on the impact of the 1990 CAA Amendments on visibility in Class I areas		Nov-92
Dec-92	Title I - Nonattainment	Finalize additional PM-10 nonattainment areas		
		Publish alternative control technology documents for VOC's		Nov-93
	Title II - Mobile Sources	Finalize emission control diagnostic rule		May-92
		Publish procedures of enforcement for urban bus standards		
	Title VI - CFC's	Finalize ban on nonessential products		Nov-91
		Finalize accelerated CFC phaseout		
Jan-93	Title I - Nonattainment	Approve/disapprove first PM-10 SIPs		Jan-93
		Propose tank vessel rule		
	Title II - Mobile Sources	Submit transportation systems report to Congress		Jan-93
		Finalize urban bus retrofit		Nov-91
	Title III - Air Toxics	Propose MACT for chromium electroplating		
	Title VI - CFC's	Propose procurement regulations		
	Title VII - Enforcement	Propose rules for contractor listing		
		Propose rules for field citation program		

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Feb-93	Title II - Mobile Sources	Finalize reformulated gasoline regulations		Nov-91
	Title III - Air Toxics	Propose MACT for commercial sterilizers		
		Finalize list of substances for accidental releases prevention program		Nov-92
	Title IV - Acid Rain	Sources submit Phase I permit applications and proposed compliance plans		Feb-93
		Propose OPT-IN regulations--combustion sources		
		Finalize list of Phase II utility allowances		Dec-92
	Title VI - CFC's	Finalize CFC labeling regulations		May-92
	Title VII - Enforcement	Propose rules for enhanced monitoring and compliance certification		
Mar-93	Title I - Nonattainment	Finalize economic incentives rules		Nov-92
		Publish SOCMI distillation processes CTG		Nov-93
		Propose general conformity criteria		
		Publish SOCMI reactor processes CTG		Nov-93
	Title II - Mobile Sources	Finalize reformulated gasoline complex model		
		Publish mobile-source related air toxics study		May-92
		Determine significance of non-road engine emissions and conduct rulemaking		Nov-92
		Finalize revisions to motor vehicle certification procedures (I/M short test)		Nov-91
	Title III - Air Toxics	Propose guidance for modification provisions		
		Propose guidance for State air toxics program		
	Title IV - Acid Rain	Initiate auctions and sales of allowances		Mar-93
Apr-93	Title I - Nonattainment	States submit lead SIPs (18 months from designation)		Jul-93
		Promulgate sanctions for States failing to submit RACT fix-up rules (18 months from findings)		Apr-93
		Finalize rules for enhanced monitoring of ozone, NOx, VOC's		May-92
	Title II - Mobile Sources	Finalize procedures of enforcement for urban bus standards		May-92
	Title III - Air Toxics	Propose State I gasoline marketing MACT		
May-93	Title I - Nonattainment	Finalize discretionary sanctions rules		
		Propose revisions to NSR program		
	Title II - Mobile Sources	Complete testing protocols for fuels and additives		
	Title VI - CFC's	Finalize emission reduction program		Jan-92

Clean Air Act Implementation Plan
(revised July 1992)

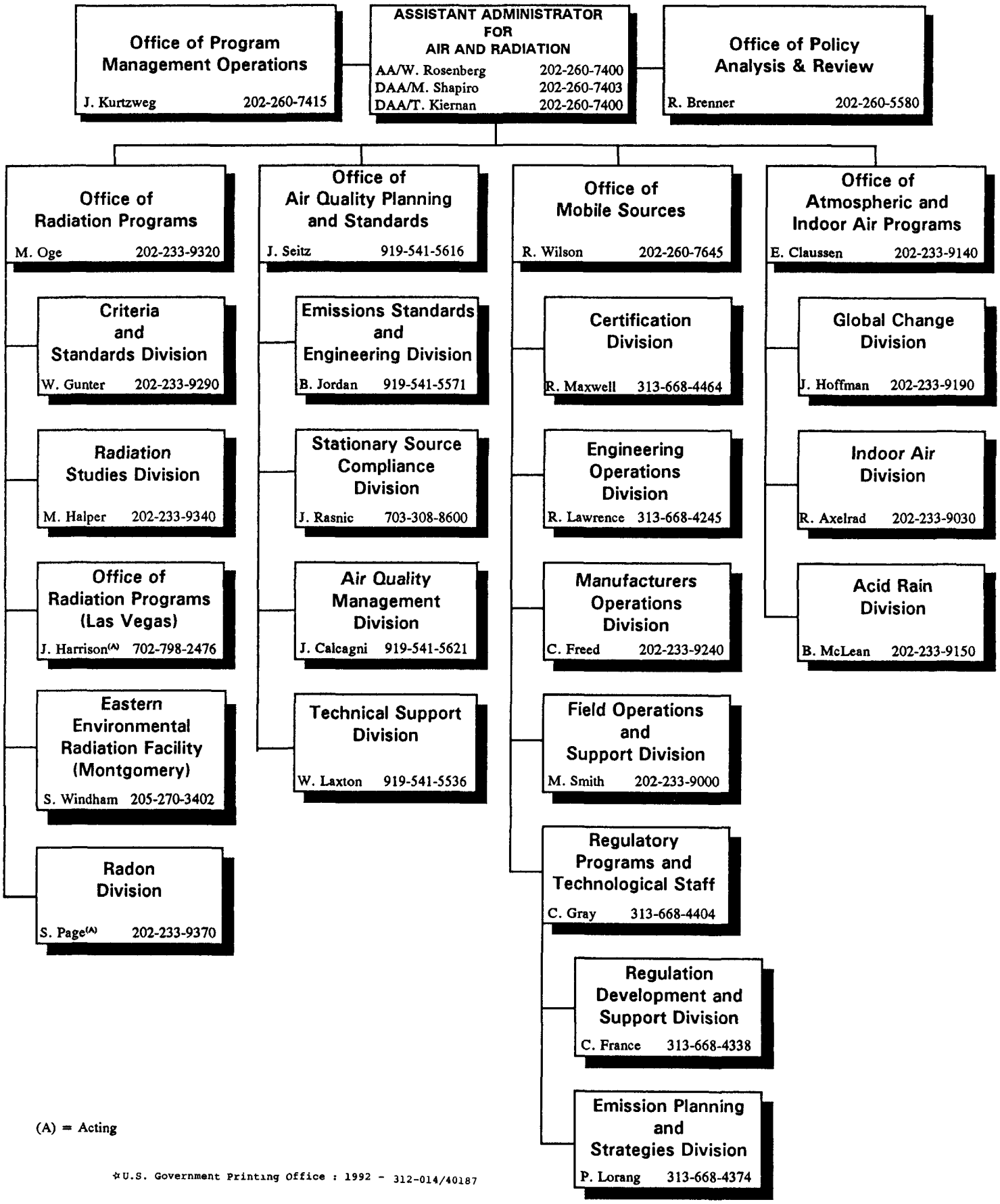
Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Jun-93	Title VII - Enforcement	Finalize rules for citizen suits		
		Finalize rules for monetary awards		
Jul-93	Title I - Nonattainment	Publish 185B NOx/VOC study		Feb-92
	Title II - Mobile Sources	Finalize clean fuel vehicle standards, conversions, and general provisions		Nov-92
	Title III - Air Toxics	Finalize HAP list petition procedures		
		Finalize general provisions for MACT standards		
Aug-93	Title I - Nonattainment	Finalize transportation conformity criteria		Nov-91
	Title II - Mobile Sources	Finalize vehicle evaporative emissions regulations		Aug-93
	Title III - Air Toxics	Finalize MACT for coke ovens		Dec-92
	Title IV - Acid Rain	EPA action on Phase I permits		Aug-93
		Finalize NOx requirements for utility boilers		May-92
Sept-93	Title III - Air Toxics	Finalize regulatory schedule for all source categories		Nov-92
		Propose medical waste incinerator rule		
	Title VI - CFC's	Finalize safe alternatives program		Nov-92
Oct-93	Title I - Nonattainment	Promulgate FIP's for States failing to submit RACT fix-up rules (2 years from findings)		
		Publish air quality and emission trends report		
	Title III - Air Toxics	Finalize MACT for hazardous organic chemical manufacturing		Nov-92
		Propose MACT for pulp and paper		
		Finalize standards for large MWC's		Nov-91
		Finalize standards for small MWC's		Nov-92
		Propose MACT for polymers and resins II		
	Title IV - Acid Rain	Begin issuing allowances to small diesel refineries		Oct-93
		Propose OPT-IN regulations, process sources		
	Title VI - CFC's	Finalize procurement regulation		May-92

Clean Air Act Implementation Plan
(revised July 1992)

Strategy Target Date	Title	Activity	Completed	Statutory Deadline
Nov-93	Title I - Nonattainment	Submit consumer/commercial products study report to Congress		Nov-93
		Publish alternative control technology documents for NOx sources		Nov-93
		Publish results of ozone design value study		Nov-93
		States submit selected SIP provisions for moderate and above ozone areas		Nov-93
		Publish auto body refinishing CTG		Nov-93
		Publish batch processes CTG		Nov-93
		Publish petroleum/industrial wastewater CTG		Nov-93
		Publish plastic parts coating CTG		Nov-93
		Publish storage tanks CTG		Nov-93
		Publish web offset lithography CTG		Nov-93
		Publish SOCMI batch processes CTG		Nov-93
		Publish surface coal mining study		Nov-93
		Finalize general conformity criteria		Nov-91
	Title III - Air Toxics	Submit Great Lakes study report to Congress		Nov-93
		Publish urban area strategy - research report		Nov-93
		Submit NAS study to Congress		May-93
		Finalize rules for risk management plans and prevention programs		Nov-93
		Publish guidance for State air toxics programs		Nov-91
	Title IV - Acid Rain	States submit acid rain permit program proposals		Nov-93
		Promulgate SO_2 new source performance standards (NSPS) for new fossil fuel utility units		Nov-93
	Title V - Permits	States submit operating permit programs		Nov-93
	Title VIII - Miscellaneous	Publish interim source/receptor report on visibility		
Dec-93	Title VII - Enforcement	Finalize rules for contractor listing		
		Finalize guidance/rules for field citation program		

ATTACHMENT B

OFFICE OF AIR AND RADIATION ORGANIZATIONAL CHART



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