

## OUTDOOR AIR POLLUTION CONTROL

### PB2012110459

Air Emissions and Electricity Generation at U.S. Power Plants.

General Accounting Office, Washington, DC.  
2012, 30p

GAO-12-545R

#### Related Categories/Subcategories:

68A (Air Pollution & Control)

97R (Environmental Studies)

97I (Electric Power Production)

**Keywords:** Air pollution control, Emission, Power plants.

### PB2011111425

Air Quality: Information on Tall Smokestacks and Their Contribution to Interstate Transport of Air Pollution.

Government Accountability Office,  
Washington, DC.

2011, 34p

GAO-11-473

#### Related Categories/Subcategories:

68A (Air Pollution & Control)

97I (Electric Power Production)

**Keywords:** Air quality, Smoke stacks, Air pollution control.

### PB2012111193

Air, Climate, and Energy. Strategic Research Action Plan 2012-2016.

Environmental Protection Agency, Washington, DC. Office of Research and Development.

2012, 45p

EPA/601/R-12/003

#### Related Categories/Subcategories:

97G (Policies, Regulations & Studies)

68A (Air Pollution & Control)

55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

**Keywords:** Climate, Research programs, Energy.

### DE20111013068

China's Energy and Carbon Emissions Outlook to 2050.

Lawrence Berkeley National Lab., CA.

Environmental Energy Technologies Div.

2011, 84p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

97R (Environmental Studies)

**Keywords:** Carbon dioxide, Emissions, Energy management.

## Air Pollution



### PB2010113717

Climate Change Impact on Air Quality in California. Report to the California Air Resources Board.

California Univ., Davis. Dept. of Civil and Environmental Engineering.

2010, 228p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)

43F (Environment)

55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

**Keywords:** Climate change, Air quality, California.

### PB2011100314

Environmental Review of the Air Pollution Control Project at the Dickerson Generating Station.

Environmental Resources Management, Inc., Annapolis, MD.

2010, 204p

DNR-PN-12-992009-416

#### Related Categories/Subcategories:

68A (Air Pollution & Control)

43F (Environment)

91A (Environmental Management & Planning)

97I (Electric Power Production)

97R (Environmental Studies)

**Keywords:** Air pollution control, Environmental impact, Electric power generation.

### Newsletter

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U.S. Department of Commerce  
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**PB2013110986**

Forest Service National Protocols for Sampling Air Pollution-Sensitive Waters.

E and S Environmental Chemistry, Inc., Corvallis, OR. 2012, 335p  
RMRS-GTR-278

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68D (Water Pollution & Control)  
48D (Forestry)

**Keywords:** Air pollution, Water pollution sampling, Forests.

**PB2013105144**

Gaseous Pollutant Monitoring Program Annual Data Summary, 2011.

National Park Service, Denver, CO. Air Resources Div. 2013, 35p  
NPS/NR/S/ARD/NRDS-2013/443

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
91L (Recreation)  
48B (Natural Resource Management)  
**Keywords:** Air pollution monitoring, National parks, Government programs.

**PB2013100265**

Integrated Science Assessment for Ozone and Related Photochemical Oxidants.

Environmental Protection Agency, Research Triangle Park, NC. National Center for Environmental Assessment.

2013, 1,251p  
EPA-600/R-10/076F

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
99E (Photochemistry and Radiation Chemistry)  
**Keywords:** Ozone, Photochemical reactions, Air pollution effects (Humans).

**Key to Database Fields Used**

The following NTIS database fields are used in this short listing of recently acquired technical reports.

- **NTIS Order Number**
- **Title**
- **Source**
- **Report Year, Page Count**
- **Report Number/ISBN13** (if available)
- **Related Categories/Sub-categories** (where the document is also indexed)
- **Keywords**

**RSS Feeds** are available in your choice of NTIS Subject Category. For information use the RSS link on the NTIS Homepage and look for the Category RSS Feeds button.

**PB2013109919**

President's Climate Action Plan, 2013.  
Executive Office of the President, Washington, DC. The White House Office.

2013, 21p

**Related Categories/Subcategories:**

55C (Meteorological Data Collection, Analysis, & Weather Forecasting)  
68A (Air Pollution & Control)  
**Keywords:** Climate change, Air pollution, Carbon.

**PB2013110040**

Quality Assurance Handbook for Air Pollution Measurement Systems. Volume 2: Ambient Air Quality Monitoring Program, May 2013.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

2013, 348p

EPA/454/B-13/003

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
99F (Physical & Theoretical Chemistry)  
43F (Environment)  
91A (Environmental Management & Planning)  
**Keywords:** Air pollution measurement, Chemical analysis, Quality assurance.

**PB2014100439**

Re-Evaluation of Montana's Air Quality Program.

SC and A, Inc., McLean, VA.

2013, 108p

FHWA/MT-13-006/8220

**Related Categories/Subcategories:**

85 (Transportation)  
43G (Transportation)  
68A (Air Pollution & Control)  
43F (Environment)  
91A (Environmental Management & Planning)  
91B (Transportation & Traffic Planning)  
**Keywords:** Air quality, Cost effectiveness, Particulate matter.

**PB2013108043**

State-Level Energy-Related Carbon Dioxide Emissions, 2000-2010.

Energy Information Administration, Washington, DC. 2013, 21p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
97R (Environmental Studies)  
43E (Energy)  
**Keywords:** Carbon dioxide, Air pollution monitoring, Greenhouse effect.

**PB2013106550**

Strategies for Reducing Residential Wood Smoke, Revised March 2013.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

2013, 45p

EPA/456/B-13/001

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
**Keywords:** Wood smoke, Air pollution, Air quality standards.

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**PB2013102345**

Technical Assistance Document for the Reporting of Daily Air Quality - The Air Quality Index (AQI).

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

2012, 29p

EPA/454/B-12/001

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
43F (Environment)  
44G (Environmental & Occupational Factors)  
**Keywords:** Air pollution monitoring, Reporting requirements, Air pollutants.

**PB2013102343**

Total Risk Integrated Methodology (TRIM) Air Pollutants Exposure Model Documentation (TRIM. Expo/APEX, Version 4). Volume 1: User's Guide.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

2012, 127p

EPA/452/B-12/001A

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
57U (Public Health & Industrial Medicine)  
44G (Environmental & Occupational Factors)  
91A (Environmental Management & Planning)  
**Keywords:** Air pollution, Algorithms, Documentation.

**PB2013106243****United States Conference of Mayors.  
Clean Energy Solutions for America' Cities.  
Washington, DC. 2013.****Key Findings from the report: (page 3)**

- Despite challenging economic conditions, three in four cities (75%) expect their deployment of clean energy technologies to increase over the next five years
- Cities identify financial constraints as the most significant challenge to improving energy efficiency and conservation, and developing new renewable energy supplies.
- LED and other efficient lighting (76%), low-energy building technologies (68%), and solar systems to generate electricity (46%) are the top three choices among mayors as the most promising technologies for reducing energy use and carbon emissions
- Energy Efficiency and Conservation Block Grants (EECBG) are shown to have multiple benefits for cities, from helping to cope with higher gas prices to deploying new energy technologies and efficiency measures, now and in the future.
- Mayors point to the economic benefits of clean energy solutions as key drivers of their energy strategies.
- For one in three cities, adapting to climate change is already an element of their capital planning and/or capital improvement programs.
- One-quarter of all cities have already set targets for the use of renewable energy.

**Major Subject Categories**

Category Codes*/Title	New for November Quantity**
41 Manufacturing Technology.....	54
43 Problem Solving Information for State & Local Governments .....	136
44 Health Care .....	174
45 Communication.....	45
46 Physics .....	156
47 Ocean Sciences & Technology .....	79
48 Natural Resources & Earth Sciences.....	123
49 Electrotechnology .....	49
50 Civil Engineering .....	60
51 Aeronautics & Aerodynamics.....	41
54 Astronomy & Astrophysics .....	46
55 Atmospheric Sciences.....	50
57 Medicine & Biology.....	441
62 Computers, Control & Information Theory.....	130
63 Detection & Countermeasures .....	32
68 Environmental Pollution & Control.....	226
70 Administration & Management .....	133
71 Materials Sciences .....	71
72 Mathematical Sciences .....	78
74 Military Sciences.....	238
75 Missile Technology.....	4
76 Navigation, Guidance, & Control .....	13
77 Nuclear Science & Technology.....	63
79 Ordnance .....	29
81 Combustion, Engines, & Propellants.....	26
82 Photography & Recording Devices .....	6
84 Space Technology.....	28
85 Transportation.....	115
88 Library & Information Sciences .....	35
89 Building Industry Technology.....	37
90 Government Inventions for Licensing .....	0
91 Urban & Regional Technology & Development .....	152
92 Behavior & Society.....	209
94 Industrial & Mechanical Engineering.....	38
95 Biomedical Technology & Human Factors Engineering .....	31
96 Business & Economics .....	81
97 Energy.....	145
98 Agriculture & Food.....	60
99 Chemistry .....	78

\* *Scope Notes define the specific topical content for each category;*

<http://www.ntis.gov/assets/pdf/scopenotes.pdf>

\*\* *Quantities represent each new report assigned on average to 3-5 categories.*

**PB2012105351**

Transitional Costs of Sectoral Reallocation: Evidence from the Clean Air Act and the Workforce.

Columbia Univ., New York.

2012, 54p

CES-12-02

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

Keywords: Reallocation, Workforce, Workers.

**PB2010109048**

U.S. Carbon Dioxide Emissions and Intensities Over Time: A Detailed Accounting of Industries, Government and Households.

Economics and Statistics Administration, Washington, DC.

2010, 42p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

55 (Atmospheric Sciences)

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

97R (Environmental Studies)

Keywords: Carbon dioxide, Emission, Air pollution.

**PB2013108695**

U.S. EPA Ambient Air Protocol Gas Verification Program Annual Report for Calendar Year 2012.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

2013, 43p

EPA/454/R-13/004

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

99A (Analytical Chemistry)

94K (Laboratory & Test Facility Design & Operation)

Keywords: Air pollution monitoring, Calibration standards, Quality assurance.

**PB2013106243**

United States Conference of Mayors. Clean Energy Solutions for America' Cities.

United States Conference of Mayors, Washington, DC. 2013, 16p

**Related Categories/Subcategories:**

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

55 (Atmospheric Sciences)

68A (Air Pollution & Control)

92E (International Relations)

Keywords: Energy resources, Climate change, Energy demand.

**Subject Category Codes/Classification**

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

**PB2013105462**

Water Quality: EPA Faces Challenges in Addressing Damage Caused by Airborne Pollutants.

Government Accountability Office, Washington, DC. 2013, 59p  
GAO-13-39

**Related Categories/Subcategories:**

68D (Water Pollution & Control)  
68A (Air Pollution & Control)  
Keywords: Water quality, Damage, Air pollution.

**PB2012107354**

Winter Air Quality in Yellowstone National Park, 2009-2011.

National Park Service, Fort Collins, CO. Natural Resource Program Center. 2012, 44p

NPS/NRSS/ARD/NRTR-2012/551

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
91L (Recreation)  
Keywords: Air quality, Winter, Air pollutants.

**PB2013109829**

Improved Characterization of Primary and Secondary Carbonaceous Particles.

Scripps Institution of Oceanography, La Jolla, CA. 2013, 151p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
Keywords: Particulates, Air pollution control, Aerosols.

**DE20131054514**

Near-Zero Emissions Oxy-Combustion Flue Gas Purification - Power Plant Performance.

Praxair, Inc., Tarrytown, NY. 2011, 52p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
81A (Combustion & Ignition)  
97K (Fuels)  
97I (Electric Power Production)  
99B (Industrial Chemistry & Chemical Process Engineering)  
Keywords: Air pollution control, Emission, Fossil fuel power plants.

**DE20131051564**

Zero Emissions Coal Syngas Oxygen Turbo Machinery. Final Scientific/Technical Report for the Period October 1, 2005 to December 31, 2010.

Department of Energy, Washington, DC. 2011, 145p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
97I (Electric Power Production)  
97K (Fuels)  
81D (Jet & Gas Turbine Engines)  
Keywords: Emissions, Carbon dioxide, Fossil fuel power plants.

**DE20121033817**

Navajo Generating Station and Air Visibility Regulations: Alternatives and Impacts.

National Renewable Energy Lab., Golden, CO. 2012, 129p

NREL/TP-6A20-53024

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
97G (Policies, Regulations & Studies)  
Keywords: Air pollution control, Canyons, National parks.

**DE20121039741**

Toxicological Evaluation of Realistic Emissions of Source Aerosols (TERESA): Application to Power Plant-Derived PM2.5. Final Scientific Report September 1, 2003 to March 31, 2011.

Electric Power Research Inst., Palo Alto, CA. 2011, 133p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
57E (Clinical Medicine)  
57Y (Toxicology)  
Keywords: Aerosols, Emissions, Toxicity.

**DE20131059205**

Data Quality Objectives Supporting Radiological Air Emissions Monitoring for the Marine Sciences Laboratory, Sequim Site.

Pacific Northwest National Lab., Richland, WA. 2012, 44p

PNNL-22111

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68F (Radiation Pollution & Control)  
97R (Environmental Studies)  
Keywords: Air pollution, Radioactive materials, Monitoring.

**DE20121045758**

Updated Greenhouse Gas and Criteria Air Pollutant Emission Factors and Their Probability Distribution Functions for Electric Generating Units.

Argonne National Lab., IL. Energy Systems Div. 2012, 155p

ANL/ESD-12-2

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
97R (Environmental Studies)  
Keywords: Greenhouse gases, Air pollution, Emission.

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**Subject selections:**

- Agriculture and Food
- Biomedical Technology and Human Factor Engineering
- Building Industry Technology
- Business & Economics
- Civil Engineering
- Communication
- Computers, Control & Information Theory
- Electrotechnology
- Energy
- Environmental Pollution and Control
- Government Inventions for Licensing
- Health Care
- Manufacturing Technology
- Materials Sciences
- Ocean Sciences and Technology
- Transportation

Photo: Architect of the Capitol



## TRANSPORTATION POLLUTION

### ADA577276

Air Emissions Guide for Air Force Mobile Sources: Methods for Estimating Emissions of Air Pollutants for Mobile Sources at U.S. Air Force Installations.

Air Force Civil Engineer Center, Lackland AFB, TX. Compliance Technical Support Branch. 2013, 248p

#### Related Categories/Subcategories:

74E (Logistics, Military Facilities, & Supplies)  
68A (Air Pollution & Control)

**Keywords:** Air force facilities, Air pollution, Emission.

### PB2013111528

Air Quality 2013, Volume 1. Transportation Research Record: Journal of the Transportation Research Board, No. 2340.

Transportation Research Board, Washington, DC. 2013, 106p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
91A (Environmental Management & Planning)  
85H (Road Transportation)  
91B (Transportation & Traffic Planning)  
43G (Transportation)  
50C (Construction Equipment, Materials, & Supplies)  
43F (Environment)

**Keywords:** Air quality, Air pollution monitoring, Vehicle air pollution.

### DE20121038339

Clean Cities 2012: Vehicle Buyer's Guide. Department of Energy, Washington, DC. Office of Energy Efficiency and Renewable Energy. 2012, 32p

DOE/GO-102012-3314

#### Related Categories/Subcategories:

97K (Fuels)  
85H (Road Transportation)  
68A (Air Pollution & Control)

**Keywords:** Automobiles, Alternative fuels, Petroleum.

### PB2012113105

Control of Air Pollution from Aircraft and Aircraft Engines; Final Emission Standards and Test Procedures. Summary and Analysis of Comments.

Environmental Protection Agency, Washington, DC. Office of Transportation and Air Quality. 2012, 32p

EPA-420-R-12-011

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
43F (Environment)  
91A (Environmental Management & Planning)  
97R (Environmental Studies)

**Keywords:** Air pollution, Aircraft, Aircraft engines.

### PB2012105043

Diesel Pollution: Fragmented Federal Programs That Reduce Mobile Source Emissions Could Be Improved.

Government Accountability Office, Washington, DC. 2012, 58p  
GAO-12-261

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
85H (Road Transportation)  
81J (Reciprocation & Rotating Combustion Engines)

**Keywords:** Air pollution control, Diesel engines, Vehicles.

### PB2013107071

Effects of Light-Duty Vehicle Emissions on Ozone and PM with Past, Present, and Future Controls: Tier – versus Other Scenarios.

ENVIRON International Corp., Novato, CA. 2013, 54p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
85H (Road Transportation)

**Keywords:** Air pollution control, Motor vehicles, Air quality standards.

### PB2012112208

Effects of Olefins Content on Exhaust Emissions. Final Report.

California Univ., Riverside. Center for Environmental Research and Technology. 2012, 75p

CRC RPTN E-83

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
97K (Fuels)  
85H (Road Transportation)

**Keywords:** Air pollution control, Alkenes, Exhaust emissions.

### PB2012112857

Guidance for Quantifying the Contribution of Airport Emissions to Local Air Quality.

North Carolina Univ. at Chapel Hill. 2012, 78p  
ACRP-71

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
85A (Air Transportation)

**Keywords:** Air quality, Air pollution, Emission.

### PB2012113990

In-Vehicle Air Pollution Exposure Measurement and Modeling.

California State Air Resources Board, El Monte. 2012, 163p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
85H (Road Transportation)

**Keywords:** Air pollution control, Transportation sector, Vehicles.

### PB2014100710

Investigation of Fine Particulate Matter, NOx and Tropospheric Ozone Transport Around a Major Roadway.

Hampton Univ., VA. Dept. of Chemical Engineering. 2013, 18p

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
85 (Transportation)

**Keywords:** Air pollution effects, Particulates, Nitrogen oxides.

### PB2012108714

Measurement of Gaseous HAP Emissions from Idling Aircraft as a Function of Engine and Ambient Conditions. Airport Cooperative Research Program (ACRP) Report 63.

Transportation Research Board, Washington, DC. Airport Cooperative Research Program. 2012, 112p  
ACRP-63

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
57Y (Toxicology)  
81D (Jet & Gas Turbine Engines)  
51C (Aircraft)

**Keywords:** Environmental impact, Noise pollution, Air pollution.

## STANDARDS AND ENFORCEMENT

### PB2012113245

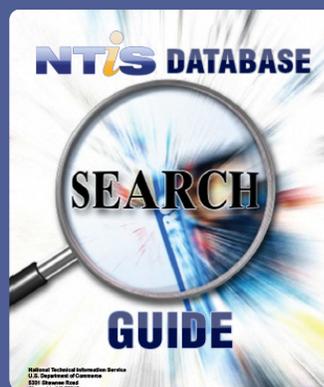
Air Pollution: EPA Needs Better Information on New Source Review Permits.

Government Accountability Office, Washington, DC. 2012, 44p  
GAO-12-590

#### Related Categories/Subcategories:

68A (Air Pollution & Control)  
97R (Environmental Studies)

**Keywords:** Licenses, Air pollution, Regulations.



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**PB2010110796**

Air Pollution and Environmental Justice: Integrating Indicators of Cumulative Impact and Socio-Economic Vulnerability into Regulatory Decision-Making.

California State Air Resources Board, Sacramento. Research Div.

2010, 171p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

68G (Environmental Health & Safety)

43F (Environment)

**Keywords:** Air pollution control, Regulations, Environmental impact.

**PB2012114333**

Federal Pollution Control Laws: How Are They Enforced.

Congressional Research Service, Washington, DC. 2012, 53p

CRS-R34384

**Related Categories/Subcategories:**

68 (Environmental Pollution & Control)

92D (Education, Law, & Humanities)

70F (Public Administration & Government)

**Keywords:** Pollution control, Law enforcement, United States government.

**DE20131025409**

Regulatory Reform to Promote Clean Energy: the Potential of Output-Based Emissions Standards.

Oak Ridge National Lab., TN.

2013, 11p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

97G (Policies, Regulations & Studies)

97I (Electric Power Production)

**Keywords:** Energy efficiency, Air pollution, Emission.

**PB2012107484**

Implementation of the 2008 Lead National Ambient Air Quality Standards: Guide to Developing Reasonably Available Control Measures (RACM) for Controlling Lead Emissions.

EC/R, Inc., Chapel Hill, NC.

2012, 72p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

97R (Environmental Studies)

92D (Education, Law, & Humanities)

**Keywords:** Lead (Metal), Standards, Emissions.

**DE20111013225**

Sandia National Laboratories, California Pollution Prevention Program Annual Report, April 2011.

Sandia National Labs., Albuquerque, NM.

2011, 11p

SAND2011-2698

**Related Categories/Subcategories:**

68 (Environmental Pollution & Control)

**Keywords:** Environmental sciences, Pollution prevention, Environmental policy.

**DE20131087078**

National Emission Standards for Hazardous Air Pollutants - Radionuclide Emissions Calendar Year 2012.

Department of Energy, Washington, DC.

2013, 68p

DOE/NV25946-1796

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

68F (Radiation Pollution & Control)

57V (Radiobiology)

97Q (Selected Studies in Nuclear Technology)

77G (Radioactive Wastes & Radioactivity)

**Keywords:** Air pollution standards, Radionuclide emissions, Air quality standards.

**DE20131062616**

National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers. Guidance for Calculating

Emission Credits Resulting from Implementation of Energy Conservation Measures.

Oak Ridge National Lab., TN.

2013, 54p

ORNL/TM-2012/252-R1

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

97I (Electric Power Production)

97J (Heating & Cooling Systems)

**Keywords:** Air pollution control, Boilers, Emission.

**DE20111018074**

International Assistance for Low-Emission Development Planning: Coordinated Low Emissions Assistance Network (CLEAN) Inventory of Activities and Tools—Preliminary Trends.

National Renewable Energy Lab., Golden, CO

20131, 36p

NREL/TP-6A20-49972

**Related Categories/Subcategories:**

97B (Energy Use, Supply, & Demand)

68A (Air Pollution & Control)

91A (Environmental Management & Planning)

92E (International Relations)

**Keywords:** Emissions reduction, Air pollution control, Developing countries.

**DE20121043439**

National Emission Standards for Hazardous Air Pollutants - Radionuclide Emissions, Calendar Year 2011.

Nevada Test Site (AEC), Las Vegas.

2012, 70p

DOE/NV/25946--1530

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

68F (Radiation Pollution & Control)

57V (Radiobiology)

97Q (Selected Studies In Nuclear Technology)

77F (Radiation Shielding, Protection, & Safety)

**Keywords:** Air pollution standards, Radionuclide emissions, Air quality standards.

## INDOOR POLLUTION

**PB2012108186**

Airflow and Indoor Air Quality Models of DOE Reference Commercial Buildings.

National Inst. of Standards and Technology (EL), Gaithersburg, MD. Energy and Environment Div. 2012, 163p

NIST-TN-1734

**Related Categories/Subcategories:**

68A (Air Pollution & Control)

89B (Architectural Design & Environmental Engineering)

97J (Heating & Cooling Systems)

**Keywords:** Air pollution control, Indoor air pollution, Buildings.

**PB2013104672**

Polychlorinated Biphenyls (PCBs) in School Buildings: Sources, Environmental Levels, and Exposures.

Environmental Protection Agency, Washington, DC. Office of Research and Development.

2012, 150p

EPA/600/R-12/051

**Related Categories/Subcategories:**

68G (Environmental Health & Safety)

68A (Air Pollution & Control)

57Y (Toxicology)

89 (Building Industry Technology)

**Keywords:** Polychlorinated biphenyls, Buildings, School environments.

**DE20131067942**

Comfort, Indoor Air Quality, and Energy Consumption in Low Energy Homes.

National Renewable Energy Lab., Golden, CO.

2013, 59p

**Related Categories/Subcategories:**

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

89B (Architectural Design & Environmental Engineering)

68A (Air Pollution & Control)

**Keywords:** Indoor air quality, Energy consumption, Climates.

**ADA562499**

Cost and Performance Report: Low-Hazardous Air Pollutant (HAP)/Volatile Organic Compound (VOC)-Compliant Resins for Military Applications.

Army Research Lab., Aberdeen Proving Ground, MD. Weapons and Materials Research Directorate.

2012, 56p

ARL-TR-5939

**Related Categories/Subcategories:**

71F (Composite Materials)

71O (Plastics)

68A (Air Pollution & Control)

74E (Logistics, Military Facilities, & Supplies)

**Keywords:** Vinyl plastics, Air pollution, Composite materials.

**PB2014100072**

Residential Carbon Monoxide Exposure due to Indoor Generator Operation: Effects of Source Location and Emission Rate.

National Inst. of Standards and Technology (EL), Gaithersburg, MD. Energy and Environment Div. 2013, 47p  
NIST-TN-1782

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
57U (Public Health & Industrial Medicine)

**Keywords:** Carbon monoxide poisoning, Gasoline engines, Environmental exposure.

**PB2013103792**

Indoor Air Quality Analysis of Commercial Reference Buildings.

National Inst. of Standards and Technology (EL), Gaithersburg, MD. Energy and Environment Div. 2013, 23p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68F (Radiation Pollution & Control)

**Keywords:** Indoor air pollution, Buildings, Air quality.

**DE20121048295**

Assessment of Indoor Air Quality Benefits and Energy Costs of Mechanical Ventilation.

Lawrence Berkeley Lab., CA. Earth Sciences Div. 2011, 11p  
LBNL-4945E

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
89B (Architectural Design & Environmental Engineering)  
97G (Policies, Regulations & Studies)

**Keywords:** Air quality, Indoor air pollution, Air infiltration.

## HEALTH

**PB2013105213**

America's Children and the Environment. Third Edition. Environmental Protection Agency, Washington, DC. 2013, 504p

EPA-240-R-13-001

**Related Categories/Subcategories:**

92C (Social Concerns)  
57U (Public Health & Industrial Medicine)  
68G (Environmental Health & Safety)

**Keywords:** Children, Environmental health, Air pollution.

**PB2012112322**

Method to Select Metropolitan Areas of Epidemiologic Interest for Enhanced Air Quality Monitoring: Air Quality Monitoring by the EPA Speciation Trends Network, 2001-2005.

National Inst. of Environmental Health Sciences, Research Triangle Park, NC. Epidemiology Branch. 2012, 116p  
EPA/600/R-12/518

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
91A (Environmental Management & Planning)  
43F (Environment)  
57U (Public Health & Industrial Medicine)  
44G (Environmental & Occupational Factors)

**Keywords:** Epidemiology, Air quality monitoring, Metropolitan areas.

**PB2012106422**

R9 RARE Final Project Report: How Vulnerability Indicators Affect the Association between Adverse Birth Outcomes, Air Pollution and Traffic Burden.

Environmental Protection Agency, Research Triangle Park, NC. National Exposure Research Lab. EPA/600/R-12/014  
2011, 80p

**Related Categories/Subcategories:**

57A (Anatomy)  
57S (Physiology)  
57U (Public Health & Industrial Medicine)  
68A (Air Pollution & Control)  
91F (Health Services)

**Keywords:** Adverse births, Vulnerability indicators, Air pollution.

**PB2013108658**

Personal, Indoor and Outdoor Particulate Air Pollution and Heart Rate Variability in Elderly Subjects with Coronary Artery Disease.

California Univ., Irvine. Coll. of Medicine. 2013, 76p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
57E (Clinical Medicine)  
57U (Public Health & Industrial Medicine)  
92C (Social Concerns)

**Keywords:** Air pollution effects, Cardiovascular diseases, Elderly persons.

**PB2010109187**

Pollution Sources and Mortality Rates Across Rural-Urban Areas in the United States. Final Report No.

West Virginia Rural Health Research Center, Morgantown, WV. 2010, 43p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
57U (Public Health & Industrial Medicine)  
57Y (Toxicology)

**Keywords:** Air pollution effects, Morbidity, Mortality.

**PB2012103670**

Combined National and State-Level Health Benefits for the Cross-State Air Pollution Rule and Mercury and Air Toxics Standards.

Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards. 2011, 10p  
EPA/452/R-11/014

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
68G (Environmental Health & Safety)  
91A (Environmental Management & Planning)  
43F (Environment)  
97I (Electric Power Production)

**Keywords:** Air pollution control, Mercury, Electric power generators.

**FREE DOWNLOAD PB2012104672**

Estimating Costs and Benefits of Emissions Reduction Strategies for Transit by Extending the TRIMMS (Trip Reduction Impacts of Mobility Management Strategies) Model, Summary Report. Center for Urban Transportation Research, Tampa, FL. National Center for Transit Research. 2012, 1p

**Related Categories/Subcategories:**

68A (Air Pollution & Control)  
**Keywords:** Emission reduction, Reduction strategies, Transportation infrastructure.

**FREE DOWNLOAD PB2011103879**

Assessing Air Quality Impacts of Managed Lanes, Summary.

Center for Urban Transportation Research, Tampa, FL. National Center for Transit Research. 2010, 1p  
SAND2011-2698

**Related Categories/Subcategories:**

43G (Transportation)  
91B (Transportation & Traffic Planning)  
43B (Economic & Community Development)  
85H (Road Transportation)  
85D (Transportation Safety)  
68A (Air Pollution & Control)

**Keywords:** Air pollution, Environmental impacts, High occupancy vehicle lanes.

**FREE DOWNLOAD DE20111018086**

Clean Cities Tools: Tools to Help You Drive Smarter, Use Less Petroleum, and Reduce Emissions.

National Renewable Energy Lab., Golden, CO. 2011, 4p  
DOE/GO-102011-3264

**Related Categories/Subcategories:**

97B (Energy Use, Supply, & Demand)  
68A (Air Pollution & Control)  
91A (Environmental Management & Planning)  
43F (Environment)

**Keywords:** Air pollution control, Cities, Air quality.

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## Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

NTIS Number	Category	Title
PB2012110459	68	Air Emissions and Electricity Generation at U.S. Power Plants.
PB2011111425	68	Air Quality: Information on Tall Smokestacks and Their Contribution to Interstate Transport of Air Pollution.
PB2012111193	97	Air, Climate, and Energy. Strategic Research Action Plan 2012-2016.
DE20111013068	68	China's Energy and Carbon Emissions Outlook to 2050.
PB2010113717	68	Climate Change Impact on Air Quality in California. Report to the California Air Resources Board.
DE20131059205	68	Data Quality Objectives Supporting Radiological Air Emissions Monitoring for the Marine Sciences Laboratory, Sequim Site.
PB2011100314	68	Environmental Review of the Air Pollution Control Project at the Dickerson Generating Station.
PB2013110986	68	Forest Service National Protocols for Sampling Air Pollution-Sensitive Waters.
PB2013105144	68	Gaseous Pollutant Monitoring Program Annual Data Summary, 2011.
PB2013109829	68	Improved Characterization of Primary and Secondary Carbonaceous Particles.
PB2013100265	68	Integrated Science Assessment for Ozone and Related Photochemical Oxidants.
DE20121033817	68	Navajo Generating Station and Air Visibility Regulations: Alternatives and Impacts.
DE20131054514	68	Near-Zero Emissions Oxy-Combustion Flue Gas Purification - Power Plant Performance.
PB2013109919	55	President's Climate Action Plan, 2013.
PB2013110040	68	Quality Assurance Handbook for Air Pollution Measurement Systems. Volume 2: Ambient Air Quality Monitoring Program, May 2013.
PB2014100439	85	Re-Evaluation of Montana's Air Quality Program.
PB2013108043	68	State-Level Energy-Related Carbon Dioxide Emissions, 2000-2010.
PB2013106550	68	Strategies for Reducing Residential Wood Smoke, Revised March 2013.
PB2013102345	68	Technical Assistance Document for the Reporting of Daily Air Quality - The Air Quality Index (AQI).
PB2013102343	68	Total Risk Integrated Methodology (TRIM) Air Pollutants Exposure Model Documentation (TRIM.Expo/APEX, Version 4). Volume 1: User's Guide.
DE20121039741	68	Toxicological Evaluation of Realistic Emissions of Source Aerosols (TERESA): Application to Power Plant-Derived PM <sub>2.5</sub> . Final Scientific Report September 1, 2003 to March 31, 2011.
PB2012105351	68	Transitional Costs of Sectoral Reallocation: Evidence from the Clean Air Act and the Workforce.
PB2010109048	68	U.S. Carbon Dioxide Emissions and Intensities Over Time: A Detailed Accounting of Industries, Government and Households.
PB2013108695	68	U.S. EPA Ambient Air Protocol Gas Verification Program Annual Report for Calendar Year 2012.
PB2013106243	97	United States Conference of Mayors. Clean Energy Solutions for America's Cities.
DE20121045758	68	Updated Greenhouse Gas and Criteria Air Pollutant Emission Factors and Their Probability Distribution Functions for Electric Generating Units.
PB2013105462	68	Water Quality: EPA Faces Challenges in Addressing Damage Caused by Airborne Pollutants.
PB2012107354	68	Winter Air Quality in Yellowstone National Park, 2009-2011.
DE20131051564	68	Zero Emissions Coal Syngas Oxygen Turbo Machinery. Final Scientific/Technical Report for the Period October 1, 2005 to December 31, 2010.
ADA577276	74	Air Emissions Guide for Air Force Mobile Sources: Methods for Estimating Emissions of Air Pollutants for Mobile Sources at U.S. Air Force Installations.
PB2013111528	68	Air Quality 2013, Volume 1. Transportation Research Record: Journal of the Transportation Research Board, No. 2340.
DE20121038339	97	Clean Cities 2012: Vehicle Buyer's Guide.
PB2012113105	68	Control of Air Pollution from Aircraft and Aircraft Engines; Final Emission Standards and Test Procedures. Summary and Analysis of Comments.
PB2012105043	68	Diesel Pollution: Fragmented Federal Programs That Reduce Mobile Source Emissions Could Be Improved.
PB2013107071	68	Effects of Light-Duty Vehicle Emissions on Ozone and PM with Past, Present, and Future Controls: Tier – versus Other Scenarios.
PB2012112208	68	Effects of Olefins Content on Exhaust Emissions. Final Report.
PB2012112857	68	Guidance for Quantifying the Contribution of Airport Emissions to Local Air Quality.

## Title Index - For NTRL Users - continued

NTIS Number	Category	Title
PB2012113990	68	In-Vehicle Air Pollution Exposure Measurement and Modeling.
PB2014100710	68	Investigation of Fine Particulate Matter, NOx and Tropospheric Ozone Transport Around a Major Roadway.
PB2012108714	68	Measurement of Gaseous HAP Emissions from Idling Aircraft as a Function of Engine and Ambient Conditions. Airport Cooperative Research Program (ACRP) Report 63.
PB2010110796	68	Air Pollution and Environmental Justice: Integrating Indicators of Cumulative Impact and Socio-Economic Vulnerability into Regulatory Decision-Making.
PB2012113245	68	Air Pollution: EPA Needs Better Information on New Source Review Permits.
PB2012114333	68	Federal Pollution Control Laws: How Are They Enforced.
PB2012107484	68	Implementation of the 2008 Lead National Ambient Air Quality Standards: Guide to Developing Reasonably Available Control Measures (RACM) for Controlling Lead Emissions.
DE20111018074	97	International Assistance for Low-Emission Development Planning: Coordinated Low Emissions Assistance Network (CLEAN) Inventory of Activities and Tools—Preliminary Trends.
DE20121043439	68	National Emission Standards for Hazardous Air Pollutants - Radionuclide Emissions, Calendar Year 2011.
DE20131087078	68	National Emission Standards for Hazardous Air Pollutants - Radionuclide Emissions Calendar Year 2012.
DE20131062616	68	National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers. Guidance for Calculating
DE20131025409	68	Regulatory Reform to Promote Clean Energy: the Potential of Output-Based
DE20111013225	68	Sandia National Laboratories, California Pollution Prevention Program Annual Report, April 2011.
PB2012108186	68	Airflow and Indoor Air Quality Models of DOE Reference Commercial Buildings.
DE20121048295	68	Assessment of Indoor Air Quality Benefits and Energy Costs of Mechanical Ventilation.
DE20131067942	97	Comfort, Indoor Air Quality, and Energy Consumption in Low Energy Homes.
ADA562499	71	Cost and Performance Report: Low-Hazardous Air Pollutant (HAP)/Volatile Organic Compound (VOC)-Compliant Resins for Military Applications.
PB2013104672	68	Polychlorinated Biphenyls (PCBs) in School Buildings: Sources, Environmental Levels, and Exposures.
PB2014100072	68	Residential Carbon Monoxide Exposure due to Indoor Generator Operation: Effects of Source Location and Emission Rate.
PB2013103792	68	Indoor Air Quality Analysis of Commercial Reference Buildings.
PB2013105213	92	America's Children and the Environment. Third Edition.
PB2012112322	68	Method to Select Metropolitan Areas of Epidemiologic Interest for Enhanced Air Quality Monitoring: Air Quality Monitoring by the EPA Speciation Trends Network,
PB2012106422	57	R9 RARE Final Project Report: How Vulnerability Indicators Affect the Association between Adverse Birth Outcomes, Air Pollution and Traffic Burden.
PB2013108658	68	Personal, Indoor and Outdoor Particulate Air Pollution and Heart Rate Variability in Elderly Subjects with Coronary Artery Disease.
PB2010109187	68	Pollution Sources and Mortality Rates Across Rural-Urban Areas in the United States. Final Report No.
PB2012103670	68	Combined National and State-Level Health Benefits for the Cross-State Air Pollution Rule and Mercury and Air Toxics Standards.