



NTIS Technical Reports Newsletter

Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

Director: Bruce Borzino
Associate Director for Product Management & Acquisition: Don Hagen
Manager, Cataloging/Indexing Division: Sue Feindt
Manager, Product & Program Management: Wayne Strickland
Contributing Program Manager: Christie Langone
Technical Information Specialist: Anne Harrison
Editor and Design Direction: Linda Davis

This Newsletter is published twelve times a year, and delivered via e-mail on or about the 15th of each month. You may subscribe or unsubscribe by writing to ntrnews@ntis.gov. We can only unsubscribe you if you receive your copy from ntrnews@ntis.gov. Copies are also redistributed through listservs and by other subscribers.

The ntrnews subscribers list is not shared with any other entities for any purpose.

Your comments are always welcome. Write us at ntrnews@ntis.gov.

Permission to redistribute this newsletter is granted.

National Technical Information Service
U.S. Department of Commerce
5301 Shawnee Road
Alexandria, VA 22312

VOLUME 2
NUMBER 12
JUNE 15, 2010

Petroleum Pollution and Oil Spills

In the Gulf of Mexico and along the coastline, cleanup and containment efforts continue after the explosion of the Deepwater Horizon oil rig, April 20. Here are a few technical reports in the NTIS Database on petroleum pollution and oil spills.

PB2010110015

Annotated Bibliography on Petroleum Pollution. Version 2007.
Patuxent Wildlife Research Center, MD.
2007, 360p

Related Categories/Sub-categories:
68 (Environmental Pollution & Control)
43F (Environment)
91A (Environmental Management & Planning)
97R (Environmental Studies)

Keywords: Environmental contaminants, Petroleum pollution, Oil pollution.

PB2010107889

Best Practices for Migratory Bird Care During Oil Spill Response.

Fish and Wildlife Service, Anchorage, AK.
Western Alaska Ecological Service.
2003, 86p

Related Categories/Sub-categories:
48B (Natural Resource Management)
57Z (Zoology)
68 (Environmental Pollution & Control)
91A (Environmental Management & Planning)

Keywords: Oil spills, Migratory bird care, Petroleum pollution.

PB2009109544

Gulf of Mexico OCS Oil and Gas Lease Sales: 2009-2012. Central Planning Area Sales 208, 213, 216, and 222, Western Planning Area Sales 210, 215, and 218. Final Supplemental Environmental Impact Statement.

Minerals Management Service, New Orleans, LA. Gulf of Mexico OCS Region.
2008, 485p

OCS/EIS/EA/MMS/2008-041
See also draft, PB2008-110746.

Related Categories/Sub-categories:
47 (Ocean Sciences & Technology)
48A (Mineral Industries)
68D (Water Pollution & Control)
68H (Environmental Impact Statements)
97K (Fuels)
97R (Environmental Studies)

Keywords: Mexico Gulf, Offshore drilling, Environmental impact Statements.

PB2007112632

Oil-Spill Risk Analysis: Gulf of Mexico, Outer Continental Shelf (OCS) Lease Sales, Central Planning Area and Western Planning Area, 2007-2012, and Gulfwide OCS Program, 2007-2046.

Minerals Management Service, Herndon, VA, Environmental Div.
2007, 68p

OCS/MMS-2007-040

See also PB2002-107675.

Related Categories/Sub-categories:
47 (Ocean Sciences & Technology)
48A (Mineral Industries)
68D (Water Pollution & Control)
97K (Fuels)
97R (Environmental Studies)

Keywords: Oil spills, Offshore drilling, Risk assessment, Mexico Gulf.

PB2000963401

Understanding Oil Spills and Oil Spill Response, December 1999.

Environmental Protection Agency, Washington, DC, Office of Emergency and Remedial Response.

1999, 50p

EPA 540-K-99-007

OSWER-9200.5-104A

See also PB93-963409.

Related Categories/Sub-categories:
43F (Environment)
68D (Water Pollution & Control)
91I (Emergency Services & Planning)

Keywords: Oil spills, Fresh water, Aquatic ecosystems, Petroleum pollution.



Category 50 Civil Engineering

PB2010103090

National Estuarine Research Reserve System:
Strategic Plan, 2005-2010.

National Oceanic and Atmospheric
Administration, Silver Spring, MD. Estuarine
Reserves Division.

2010, 16p

Related Categories/Sub-categories:

- 47 (Ocean Sciences & Technology)
- 48B (Natural Resource Management)
- 50B (Civil Engineering)

PB2010105075

Determining Localized Anode Condition to
Maintain Effective Corrosion Protection.

Oregon State Univ., Corvallis.

2010, 134p

FHWA-OR-RD-10-11

Related Categories/Sub-categories:

- 50A (Highway Engineering)
- 50C (Construction Equipment, Materials, &
Supplies)
- 71G (Corrosion & Corrosion Inhibition)
- 71E (Coatings, Colorants, & Finishes)

PB2010105913

Civil Engineering Support for Telemetered
Traffic Monitoring Sites.

FAMU/FSU Coll. of Engineering, Tallahassee.

Dept. of Civil Engineering.

2010, 166p

Related Categories/Sub-categories:

- 43G (Transportation)
- 50B (Civil Engineering)
- 85H (Road Transportation)
- 91B (Transportation & Traffic Planning)

PB2010105916

Accelerated Curing and Strength-Modulus
Correlation for Lime-Stabilized Soils.

Colorado School of Mines, Golden.

2010, 56p

CDOT-2010-1

Related Categories/Sub-categories:

- 50B (Civil Engineering)
- 50C (Construction Equipment, Materials, &
Supplies)
- 50D (Soil & Rock Mechanics)

PB2010105987

Evaluation of SRICOS Method on Cohesive Soils
in South Dakota.

Mountain-Plains Consortium, Fargo, ND.

2010, 235p

MPC-08-195

Related Categories/Sub-categories:

- 48G (Hydrology & Limnology)
- 50B (Civil Engineering)
- 50D (Soil & Rock Mechanics)

PB2010107321

Integration of Utility and Environmental
Activities in the Project Development Process.

Texas Transportation Inst., College Station.

2010, 140p

REPT-0-6065-1

FHWA/TX-10/0-6065-1

Related Categories/Sub-categories:

- 41 (Manufacturing Technology)
- 43F (Environment)
- 50A (Highway Engineering)
- 50B (Civil Engineering)
- 70B (Management Practice)
- 94 (Industrial & Mechanical Engineering)

PB2010107324

Preserving the Functionality/Asset Value of the
State Highway System: Technical Report.

Texas Transportation Inst., College Station.

2010, 226p

REPT-0-6208-1

FHWA/TX-10/0-6208-1

Related Categories/Sub-categories:

- 43G (Transportation)
- 50A (Highway Engineering)
- 85H (Road Transportation)
- 91B (Transportation & Traffic Planning)

Major Subject Categories

Category Codes*/Title	New for May Quantity**
41 Manufacturing Technology	70
43 Problem Solving Information for State & Local Governments	291
44 Health Care	146
45 Communication	107
46 Physics	271
47 Ocean Sciences & Technology	154
48 Natural Resources & Earth Sciences	384
49 Electrotechnology	72
50 Civil Engineering	158
51 Aeronautics & Aerodynamics	98
54 Astronomy & Astrophysics	19
55 Atmospheric Sciences	81
57 Medicine & Biology	545
62 Computers, Control & Information Theory	195
63 Detection & Countermeasures	117
68 Environmental Pollution & Control	369
70 Administration & Management	558
71 Materials Sciences	86
72 Mathematical Sciences	112
74 Military Sciences	482
75 Missile Technology	14
76 Navigation, Guidance, & Control	14
77 Nuclear Science & Technology	107
79 Ordnance	76
81 Combustion, Engines, & Propellants	41
82 Photography & Recording Devices	6
84 Space Technology	73
85 Transportation	166
88 Library & Information Sciences	123
89 Building Industry Technology	45
90 Government Inventions for Licensing	5
91 Urban & Regional Technology & Development	213
92 Behavior & Society	537
94 Industrial & Mechanical Engineering	89
95 Biomedical Technology & Human Factors	68
96 Business & Economics	366
97 Energy	220
98 Agriculture & Food	239
99 Chemistry	197

* For a listing of Scope Notes that defines the specific topical content for each category, go to <http://www.ntis.gov/pdf/scopenotes.pdf>

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

Category 50 Civil Engineering

PB2010108282

Revised Public Notification Handbook, March 2010.

Environmental Protection Agency. Office of Water.

2010, 180p

EPA/816/R-09/013

See also PB2007-111643.

Related Categories/Sub-categories:

43 (Problem Solving Information for State & Local Governments)

48F (Geology & Geophysics)

50B (Civil Engineering)

57U (Public Health & Industrial Medicine)

68D (Water Pollution & Control)

68G (Environmental Health & Safety)

70F (Public Administration & Government)

91A (Environmental Management & Planning)

PB2010108283

Revised State Implementation Guidance for the Public Notification (PN) Rule.

Environmental Protection Agency. Office of Water.

2010, 182p

EPA/816/R-09/012

Related Categories/Sub-categories:

43F (Environment)

50B (Civil Engineering)

57U (Public Health & Industrial Medicine)

68D (Water Pollution & Control)

PB2010108288

Work Zone Design and Operation Enhancements.

Oregon Dept. of Transportation and Federal Highway Administration.

2010, 197p

FHWA-OR-RD-10-16

Related Categories/Sub-categories:

43G (Transportation)

50A (Highway Engineering)

85D (Transportation Safety)

85H (Road Transportation)

91B (Transportation & Traffic Planning)

Category 71 Materials Sciences

ADA515123

Consideration of Wear Rates at High Velocity.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2010, 241p

AFIT/DS/ENY/10-08

Related Categories/Sub-categories:

71N (Nonferrous Metals & Alloys)

72B (Algebra, Analysis, Geometry, & Mathematical Logic)

94K (Laboratory & Test Facility Design & Operation)

ADA516359

Damage Detection in Composite Interfaces through Carbon Nanotube Reinforcement.

Naval Postgraduate School, Monterey, CA. Dept. of Mechanical and Astronautical Engineering.

2010, 84p

NPS-MAE-10-003

Related Categories/Sub-categories:

71F (Composite Materials)

71I (Fibers & Textiles)

ADA516534

Damage Threshold Characterization in Structural Composite Materials and Composite Joints.

Montana State Univ., Bozeman.

2010, 76p

Related Categories/Sub-categories:

71B (Adhesives & Sealants)

71F (Composite Materials)

72B (Algebra, Analysis, Geometry, & Mathematical Logic)

DE2010970007

Melt Rate Enhancement for High Aluminum HLW (High Level Waste) Glass Formulation. Final Report 08R1360-1.

Department of Energy, Richland, WA. Office of River Protection.

2010, 313p

ORP-44236-REV-0

Related Categories/Sub-categories:

77G (Radioactive Wastes & Radioactivity)

71D (Ceramics, Refractories, & Glass)

DE2010970349

Evaluation of Ultrasonic Measurement Variation in the Double-Shell Tank Integrity Project.

Pacific Northwest National Lab., Richland, WA.

2010, 92p

PNNL-19010

Related Categories/Sub-categories:

71G (Corrosion & Corrosion Inhibition)

77F (Radiation Shielding, Protection, & Safety)

77G (Radioactive Wastes & Radioactivity)

PB2010105919

Preliminary Investigation of RAP and RAS in HMAC.

Oregon Dept. of Transportation, Salem. Policy/Research Section.

2010, 50p

OR-RD-20-12

Related Categories/Sub-categories:

68C (Solid Wastes Pollution & Control)

71F (Composite Materials)

PB2010106077

History of Lumber Submissions Under ASTM D 1990 Since the North American In-Grade Testing Program.

Forest Products Lab., Madison, WI.

2010, 55p

FPL-GTR-189

Related Categories/Sub-categories:

48 (Natural Resources & Earth Sciences)

71R (Wood & Paper Products)

PB2010107347

Development of Design Parameters for Mass Concrete Using Finite Element Analysis.

Florida Univ., Gainesville. Dept. of Civil and Coastal Engineering.

2010, 194p

Related Categories/Sub-categories:

50 (Civil Engineering)

71D (Ceramics, Refractories, & Glass)

46E (Structural Mechanics)

94K (Laboratory & Test Facility Design & Operation)

PB2010107545

Flammability of In-Service Aircraft Thermal Acoustic Insulation Blankets.

William J. Hughes Technical Center, Atlantic City, NJ. Airport and Aircraft Safety Research and Development.

SRA International, Inc., Linwood, NJ.

2010, 39p

DOT/FAA/AR-TN09/43

Related Categories/Sub-categories:

46A (Acoustics)

51C (Aircraft)

71M (Miscellaneous Materials)

Any of the technical reports listed in this newsletter can be ordered directly from the National Technical Information Service, simply click on the title to go to the product detail page on NTIS.GOV.

If your organization is a subscriber to the National Technical Reports Library, most of the reports listed can be downloaded free there. For information on how to subscribe to NTRL, go to <http://www.ntis.gov/products/ntrl.aspx>.

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)

Category 89 Building Industry Technology

ADA512600

SIGAR: Special Inspector General for Afghanistan Reconstruction.

Special Inspector General for Afghanistan Reconstruction, Arlington, VA.
2009, 161p

Related Categories/Sub-categories:

- 44G (Environmental & Occupational Factors)
- 50B (Civil Engineering)
- 89D (Structural Analyses)
- 92C (Social Concerns)
- 96 (Business & Economics)

ADA514682

Design Optimization and Testing of an Active Core for Sandwich Panels.

Sydney Univ. (Australia). School of Aerospace Mechanical and Mechatronic Engineering.
2009, 55p

FEARC-09-001

AOARD-074053

Related Categories/Sub-categories:

- 89D (Structural Analyses)
- 94B (Quality Control & Reliability)

DE2009965590

Analyzing the Life Cycle Energy Savings of DOE Supported Buildings Technologies.

Pacific Northwest National Lab., Richland, WA.
2009, 42p
PNNL-18658

Related Categories/Sub-categories:

- 89B (Architectural Design & Environmental Engineering)
- 94E (Environmental Engineering)
- 97G (Policies, Regulations & Studies)

DE2009965778

Open Automated Demand Response for Small Commercial Buildings.

Lawrence Berkeley National Lab., CA.
2009, 100p

See also DE2009-951952.

Related Categories/Sub-categories:

- 89H (Building Equipment, Furnishings, & Maintenance)
- 97B (Energy Use, Supply, & Demand)

DE2009965983

General Merchandise 50% Energy Savings. Technical Support Document.

National Renewable Energy Lab., Golden, CO.
2009, 174p

NREL/TP-550-46101

Related Categories/Sub-categories:

- 43E (Energy)
- 89B (Architectural Design & Environmental Engineering)
- 91 (Urban & Regional Technology & Development)
- 94E (Environmental Engineering)
- 97B (Energy Use, Supply, & Demand)
- 97J (Heating & Cooling Systems)

PB2010102700

Performance-Based Assessment and Design of Squat Reinforced Concrete Shear Walls. Multidisciplinary Center for Earthquake Engineering Research, Buffalo, NY. State Univ. of New York at Buffalo.
2009, 664p

MCEER-09-0010

Related Categories/Sub-categories:

- 50 (Civil Engineering)
- 48F (Geology & Geophysics)
- 89D (Structural Analyses)

PB2010103199

IDARC2D Version 7.0: A Program for the Inelastic Damage Analysis of Structures.

Multidisciplinary Center for Earthquake Engineering Research, Buffalo, NY. State Univ. of New York at Buffalo.
2009, 410p

MCEER-09-0006

See also PB97-100234.

Related Categories/Sub-categories:

- 89D (Structural Analyses)
- 89G (Construction Materials, Components, & Equipment)

PB2010103892

Department of Energy: Actions Needed to Develop High-Quality Cost Estimates for Construction and Environmental Cleanup Projects.

Government Accountability Office.

2010, 63p

GAO-10-199

Related Categories/Sub-categories:

- 68G (Environmental Health & Safety)
- 70B (Management Practice)
- 70D (Personnel Management, Labor Relations & Manpower Studies)
- 89C (Construction Management & Techniques)

PB2010103918

Concrete Deck Material Properties.

City Coll., New York. Dept. of Civil Engineering.

2009, 120p

RF-75469

Related Categories/Sub-categories:

- 50C (Construction Equipment, Materials, & Supplies)
- 89G (Construction Materials, Components, & Equipment)

PB2010103923

Quantify the Energy and Environmental Effects of Using Recycled Asphalt and Recycled Concrete for Pavement Construction, Phase I Final Report.

National Technology Development, LLC, Horseheads, NY.

2009, 50p

C-08-02

Related Categories/Sub-categories:

- 50A (Highway Engineering)
- 50B (Civil Engineering)
- 50C (Construction Equipment, Materials, & Supplies)
- 68C (Solid Wastes Pollution & Control)
- 89G (Construction Materials, Components, & Equipment)

PB2010104725

Airtightness Evaluation of Shelter-in-Place Spaces for Protection Against Airborne Chemo Releases.

National Inst. of Standards and Technology.

Building Fire Research Laboratory.

2009, 48p

EPA/600/R-09/051

NISTIR-7546

Related Categories/Sub-categories:

- 74D (Chemical, Biological, & Radiological Warfare)
- 89 (Building Industry Technology)

PB2010105605

Seismic Behavior of Circular Reinforced Concrete Bridge Columns Under Combined Loading Including Torsion. Final Report.

Missouri Univ. of Science and Technology, Rolla, MO. Center for Transportation Infrastructure and Safety/NUTC program.

2009, 338p

Related Categories/Sub-categories:

- 50A (Highway Engineering)
- 89D (Structural Analyses)

PB2010106515

Plan for Developing High-Speed, Nondestructive Testing Procedures for Both Design Evaluation and Construction Inspection.

Texas Transportation Inst., College Station.

2009, 126p

SHRP-2/S2-RO6-RW

Related Categories/Sub-categories:

- 43G (Transportation)
- 50A (Highway Engineering)
- 50C (Construction Equipment, Materials, & Supplies)
- 85H (Road Transportation)
- 89D (Structural Analyses)
- 89G (Construction Materials, Components, & Equipment)

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.

Category 91 Urban & Regional Technology & Development

PB2010105077

Disaster Assistance: Federal Assistance for Permanent Housing Primarily Benefited Homeowners; Opportunities Exist to Better Target Rental Housing Needs.

Government Accountability Office.

2010, 88p

GAO-10-17

Related Categories/Sub-categories:

70F (Public Administration & Government)

91E (Housing)

92C (Social Concerns)

PB2010105080

Border Security: Better Usage of Electronic Passport Security Features Could Improve Fraud Detection.

Government Accountability Office.

2010, 50p

Related Categories/Sub-categories:

70F (Public Administration & Government)

91C (Fire Services, Law Enforcement, & Criminal Justice)

92C (Social Concerns)

92E (International Relations)

PB2010105082

Combating Nuclear Terrorism: Actions Needed to Better Prepare to Recover from Possible Attacks Using Radiological or Nuclear Materials.

Government Accountability Office.

2010, 52p

GAO-10-204

Related Categories/Sub-categories:

68G (Environmental Health & Safety)

74D (Chemical, Biological, & Radiological Warfare)

91I (Emergency Services & Planning)

PB2010105090

Native American Housing: Tribes Generally View Block Grant Program as Effective, but Tracking of Infrastructure Plans and Investments Needs Improvements.

Government Accountability Office.

2010, 71p

GAO-10-326

Related Categories/Sub-categories:

91E (Housing)

92C (Social Concerns)

PB2010105379

Middle Class in America.

Economics and Statistics Administration.

2010, 43p

See also PB2009-110523.

Related Categories/Sub-categories:

43B (Economic & Community Development)

91J (Economic Studies)

92C (Social Concerns)

96A (Domestic Commerce, Marketing, & Economics)

PB2010105441

Crisis Standards of Care. Summary of a Workshop Series.

Institute of Medicine, Washington, DC.

2010, 174p

Related Categories/Sub-categories:

43D (Police, Fire, & Emergency Services)

44 (Health Care)

57U (Public Health & Industrial Medicine)

91I (Emergency Services & Planning)

PB2010105597

Urban and Community Forests of the Mid-Atlantic Region: New Jersey, New York, Pennsylvania.

Forest Service, Syracuse, NY. Northern Research Station.

2010, 44p

USDA-GTR-NRS-47

Related Categories/Sub-categories:

48B (Natural Resource Management)

48D (Forestry)

91A (Environmental Management & Planning)

PB2010105771

Pocket Guide to Transportation, 2010.

Bureau of Transportation Statistics, Washington, DC.

2010, 56p

See also report for 2009, PB2009-104391.

Related Categories/Sub-categories:

43G (Transportation)

85 (Transportation)

91B (Transportation & Traffic Planning)

PB2010105777

Annual Report on Funding Recommendations, Fiscal Year 2011. NewStarts, Small Starts, and Paul S. Sarbanes Transit in Parks Program.

Federal Transit Administration, Washington, DC.

2010, 277p

See also report for FY 2010, PB2009-110300.

Related Categories/Sub-categories:

43G (Transportation)

70F (Public Administration & Government)

85 (Transportation)

91H (Regional Administration & Planning)

PB2010105872

Statistical Validation of Speeds and Travel Times Provided by a Data Services Vendor.

Ohio Dept. of Transportation, Columbus. Federal Highway Administration, Columbus, OH. Ohio Div.

2010, 309p

FHWA/OH-2010/2

PS-09-05

See also PB2010-105873.

Related Categories/Sub-categories:

43G (Transportation)

85H (Road Transportation)

91B (Transportation & Traffic Planning)

PB2010105928

Food and Drug Administration: Improved Monitoring and Development of Performance Measures Needed to Strengthen Oversight of Criminal and Misconduct Investigations.

Government Accountability Office.

2010, 43p

GAO-10-221

Related Categories/Sub-categories:

44D (Health Care Assessment & Quality Assurance)

57Q (Pharmacology & Pharmacological Chemistry)

92C (Social Concerns)

91C (Fire Services, Law Enforcement, & Criminal Justice)

PB2010105937

Recovery Act: One Year Later, States' and Localities' Uses of Funds and Opportunities to Strengthen Accountability.

Government Accountability Office

2010, 182p

GAO-10-437

Related Categories/Sub-categories:

43B (Economic & Community Development)

70B (Management Practice)

91J (Economic Studies)

96A (Domestic Commerce, Marketing, & Economics)

PB2010105940

Temporary Assistance for Needy Families: Fewer Eligible Families Have Received Cash Assistance Since the 1990s, and the Recession's Impact on Caseloads Varies by State.

Government Accountability Office.

2010, 71p

GAO-10-164

Related Categories/Sub-categories:

43C (Human Resources)

70F (Public Administration & Government)

91K (Social Services)

92C (Social Concerns)

PB2010105956

Improving Accuracy in Household and External Travel Surveys.

Texas Transportation Inst., College Station.

2010, 336p

REPT-0-5711-1

FHWA/TX-09/0-5711-1

See also PB2010-105957.

Related Categories/Sub-categories:

43G (Transportation)

85 (Transportation)

91B (Transportation & Traffic Planning)



Category 94 Industrial & Mechanical Engineering

ADA514673

Measurements and Modeling of the Mean and Turbulent Flow Structure in High-Speed Rough-Wall Non-Equilibrium Boundary Layers.

Texas Engineering Experiment Station, College Station.

2010, 75p

TAMU-NAL-FR-2010-01

Related Categories/Sub-categories:

- 46B (Fluid Mechanics)
- 46E (Structural Mechanics)
- 51A (Aerodynamics)
- 62B (Computer Software)
- 72B (Algebra, Analysis, Geometry, & Mathematical Logic)
- 94K (Laboratory & Test Facility Design & Operation)

ADA515419

Aero-Mechanical Coupling in a High-Speed Compressor.

Notre Dame Univ., IN. Dept. of Aerospace and Mechanical Engineering.

2010, 97p

UND-SM10-0338

Related Categories/Sub-categories:

- 41J (Tooling, Machinery, & Tools)
- 94K (Laboratory & Test Facility Design & Operation)

ADA516028

Quality Controlling Surfzone Acoustic Doppler Velocimeter Observations to Estimate the Turbulent Dissipation Rate.

Scripps Institution of Oceanography, La Jolla, CA.

2010, 47p

Related Categories/Sub-categories:

- 46A (Acoustics)
- 94K (Laboratory & Test Facility Design & Operation)

ADA516454

Development of Measures to Assess Product Modularity and Reconfigurability.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2010, 190p

AFIT/DS/ENV/10-M01

Related Categories/Sub-categories:

- 45C (Common Carrier & Satellite)
- 62 (Computers, Control & Information Theory)
- 84A (Astronautics)
- 94K (Laboratory & Test Facility Design & Operation)

ADA516544

Analysis of Debris from Helicopters from the Field.

Southwest Research Inst., San Antonio, TX.

TARDEC Fuels and Lubricants Research Facility.

2010, 37p

TFLRF-402

Related Categories/Sub-categories:

- 94K (Laboratory & Test Facility Design & Operation)
- 97K (Fuels)

DE2010970540

Freight Container Lifting Standard.

Washington River Protection Solutions, Richland, WA.

2010, 34p

RPP-04738-REV-1

Related Categories/Sub-categories:

- 57U (Public Health & Industrial Medicine)
- 85G (Marine & Waterway Transportation)
- 94H (Industrial Safety Engineering)



The National Technical Reports Library (NTRL) enhances accessibility to the NTIS technical reports collection. It provides access to:

- Bibliographic records of more than 2,000,000 technical reports
- Downloadable full text of 600,000 of these reports in PDF format

Subscription rates are based on institutional FTE levels.

The NTRL operates on a system interface that allows users to do queries on the large NTIS bibliographic database. The intent is to broadly expand and improve access to over 2.5 million bibliographic records (pre-1960 to present) and 500k full-text documents in PDF Format that are directly linked to that bibliographic database.

For more information, go to <http://www.ntis.gov/products/ntrl.aspx>.

The Nation's Source for Scientific Information

The National Technical Information Service (NTIS), is the nation's largest and most comprehensive source of government-funded scientific, technical, engineering and business-related information.

For more than 60 years, we have served as an innovative resource to Federal agencies, businesses and universities looking for high-caliber information. Our mission is straightforward: to support the nation's economic growth by providing access to information that stimulates innovation and discovery.

While you can find information on virtually any subject on the web, there's no guarantee that the information is accurate — or that it has been published by a legitimate source. NTIS undergoes a rigorous process to ensure that all the information we offer is authentic and credible. This integrity, along with the breadth and depth of our collection, is why NTIS is regarded as the nation's preeminent source of government information.



Category 94 Industrial & Mechanical Engineering

PB2010105868

NIOSH Hazard Review: Occupational Hazards in Home Healthcare.

National Inst. for Occupational Safety and Health.

2010, 68p

DHHS/PUB/NIOSH-2010-125

Related Categories/Sub-categories:

44K (Health Services)

57U (Public Health & Industrial Medicine)

68G (Environmental Health & Safety)

94D (Job Environment)

PB2010105954

Research Report: Guidance on Mitigating Impacts of Large Distribution Centers on Texas Highways.

Texas Transportation Inst., College Station.

2010, 156p

REPT-0-5335-1

FHWA/TX-10/0-5335-1

Related Categories/Sub-categories:

85H (Road Transportation)

91B (Transportation & Traffic Planning)

94G (Manufacturing Processes & Materials Handling)

96 (Business & Economics)

PB2010107340

Development of the Electric Wiring Interconnection System Risk Assessment Tool.

Lectromechnical Design Co, Sterling, VA.

2010, 155p

DOT/FAA/AR-09/47

Related Categories/Sub-categories:

49G (Resistive, Capacitive, & Inductive Components)

62B (Computer Software)

94B (Quality Control & Reliability)

PB2010107580

Measurement Science Roadmap for Net-Zero Energy Buildings: Workshop.

National Inst. of Standards and Technology,

Gaithersburg, MD. Building Fire Research

Laboratory. Energetics Inc.,

Columbia, MD.

2010, 86p

NIST/TN-1660

Related Categories/Sub-categories:

70E (Research Program Administration & Technology Transfer)

89B (Architectural Design & Environmental Engineering)

94E (Environmental Engineering)

97G (Policies, Regulations & Studies)

97J (Heating & Cooling Systems)

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 one to five, although there are some reports with more.

Title Index – For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Website.

The list is in alphabetical order by title.

<i>NTIS number</i>	<i>Category</i>	<i>Title</i>
PB2010105916	50	Accelerated Curing and Strength-Modulus Correlation for Lime-Stabilized Soils.
ADA515419	94	Aero-Mechanical Coupling in a High-Speed Compressor.
PB2010104725	89	Airtightness Evaluation of Shelter-in-Place Spaces for Protection Against Airborne Chembio Releases.
ADA516544	94	Analysis of Debris from Helicopters from the Field.
DE2009965590	89	Analyzing the Life Cycle Energy Savings of DOE Supported Buildings Technologies.
PB2010110015	68	Annotated Bibliography on Petroleum Pollution. Version 2007
PB2010105777	91	Annual Report on Funding Recommendations, Fiscal Year 2011. NewStarts, Small Starts, and Paul S. Sarbanes Transit in Parks Program.
PB2010107889	48	Best Practices for Migratory Bird Care During Oil Spill Response.
PB2010105080	91	Border Security: Better Usage of Electronic Passport Security Features Could Improve Fraud Detection.
PB2010105913	50	Civil Engineering Support for Telemetered Traffic Monitoring Sites.
PB2010105082	91	Combating Nuclear Terrorism: Actions Needed to Better Prepare to Recover from Possible Attacks Using Radiological or Nuclear Materials.
PB2010103918	89	Concrete Deck Material Properties.
ADA515123	71	Consideration of Wear Rates at High Velocity.
PB2010105441	91	Crisis Standards of Care. Summary of a Workshop Series.
ADA516359	71	Damage Detection in Composite Interfaces through Carbon Nanotube Reinforcement.
ADA516534	71	Damage Threshold Characterization in Structural Composite Materials and Composite Joints.
PB2010103892	89	Department of Energy: Actions Needed to Develop High-Quality Cost Estimates for Construction and Environmental Cleanup Projects.
ADA514682	89	Design Optimization and Testing of an Active Core for Sandwich Panels.
PB2010105075	50	Determining Localized Anode Condition to Maintain Effective Corrosion Protection.

Title Index – For NTRL Users

PB2010107347	71	Development of Design Parameters for Mass Concrete Using Finite Element Analysis.
ADA516454	94	Development of Measures to Assess Product Modularity and Reconfigurability.
PB2010107340	94	Development of the Electric Wiring Interconnection System Risk Assessment Tool.
PB2010105077	91	Disaster Assistance: Federal Assistance for Permanent Housing Primarily Benefited Homeowners; Opportunities Exist to Better Target Rental Housing Needs.
PB2010105987	50	Evaluation of SRICOS Method on Cohesive Soils in South Dakota.
DE2010970349	71	Evaluation of Ultrasonic Measurement Variation in the Double-Shell Tank Integrity Project.
PB2010107545	71	Flammability of In-Service Aircraft Thermal Acoustic Insulation Blankets.
PB2010105928	91	Food and Drug Administration: Improved Monitoring and Development of Performance Measures Needed to Strengthen Oversight of Criminal and Misconduct Investigations.
DE2010970540	94	Freight Container Lifting Standard.
DE2009965983	89	General Merchandise 50% Energy Savings. Technical Support Document.
PB2009109544	47	Gulf of Mexico OCS Oil and Gas Lease Sales: 2009-2012. Central Planning Area Sales 208, 213, 216, and 222, Western Planning Area Sales 210, 215, and 218. Final Supplemental Environmental Impact Statement.
PB2010106077	71	History of Lumber Submissions Under ASTM D 1990 Since the North American In-Grade Testing Program.
PB2010103199	89	IDARC2D Version 7.0: A Program for the Inelastic Damage Analysis of Structures.
PB2010105956	91	Improving Accuracy in Household and External Travel Surveys.
PB2010107321	50	Integration of Utility and Environmental Activities in the Project Development Process.
PB2010107580	94	Measurement Science Roadmap for Net-Zero Energy Buildings: Workshop.
ADA514673	94	Measurements and Modeling of the Mean and Turbulent Flow Structure in High-Speed Rough-Wall Non-Equilibrium Boundary Layers.
DE2010970007	71	Melt Rate Enhancement for High Aluminum HLW (High Level Waste) Glass Formulation. Final Report 08R1360-1.
PB2010105379	91	Middle Class in America.
PB2010103090	50	National Estuarine Research Reserve System: Strategic Plan, 2005-2010.
PB2010105090	91	Native American Housing: Tribes Generally View Block Grant Program as Effective, but Tracking of Infrastructure Plans and Investments Needs Improvements.
PB2010105868	94	NIOSH Hazard Review: Occupational Hazards in Home Healthcare.
PB2007112632	47	Oil-Spill Risk Analysis: Gulf of Mexico, Outer Continental Shelf (OCS) Lease Sales, Central Planning Area and Western Planning Area, 2007-2012, and Gulfwide OCS Program, 2007-2046.
DE2009965778	89	Open Automated Demand Response for Small Commercial Buildings.
PB2010102700	89	Performance-Based Assessment and Design of Squat Reinforced Concrete Shear Walls.
PB2010106515	89	Plan for Developing High-Speed, Nondestructive Testing Procedures for Both Design Evaluation and Construction Inspection.
PB2010105771	91	Pocket Guide to Transportation, 2010.
PB2010105919	71	Preliminary Investigation of RAP and RAS in HMAC.
PB2010107324	50	Preserving the Functionality/Asset Value of the State Highway System: Technical Report.
ADA516028	94	Quality Controlling Surfzone Acoustic Doppler Velocimeter Observations to Estimate the Turbulent Dissipation Rate.
PB2010103923	89	Quantify the Energy and Environmental Effects of Using Recycled Asphalt and Recycled Concrete for Pavement Construction, Phase I Final Report.
PB2010105937	91	Recovery Act: One Year Later, States' and Localities' Uses of Funds and Opportunities to Strengthen Accountability.
PB2010105954	94	Research Report: Guidance on Mitigating Impacts of Large Distribution Centers on Texas Highways.
PB2010108282	50	Revised Public Notification Handbook, March 2010.
PB2010108283	50	Revised State Implementation Guidance for the Public Notification (PN) Rule.
PB2010105605	89	Seismic Behavior of Circular Reinforced Concrete Bridge Columns Under Combined Loading Including Torsion. Final Report.
ADA512600	89	SIGAR: Special Inspector General for Afghanistan Reconstruction.
PB2010105872	91	Statistical Validation of Speeds and Travel Times Provided by a Data Services Vendor.
PB2010105940	91	Temporary Assistance for Needy Families: Fewer Eligible Families Have Received Cash Assistance Since the 1990s, and the Recession's Impact on Caseloads Varies by State.
PB2000963401	43	Understanding Oil Spills and Oil Spill Response, December 1999
PB2010105597	91	Urban and Community Forests of the Mid-Atlantic Region: New Jersey, New York, Pennsylvania.
PB2010108288	50	Work Zone Design and Operation Enhancements.