



# Department of Natural Resources

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Jefferson City 65102-0176

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www.dnr.mo.gov / Email: contact@dnr.mo.gov

The Department of Natural Resources preserves, protects and enhances Missouri's natural, cultural and energy resources. Our staff works to ensure that our state enjoys clean air to breathe, clean water for drinking and recreation and land that sustains a diversity of life.

We take seriously our responsibility of stewardship to protect and enhance the environment in which we work and live. We consider all aspects of the environment when making decisions. To do this, we value integrity above all, openness to all individuals and points of view, diversity in people and approach, excellence in all we do and service.

Several offices enable the department to carry out its responsibilities: the Division of State Parks; the Field Services Division; the Division of Geology and Land Survey; the Division of Environmental Quality; and administrative support. In addition, the State Environmental Improvement and Energy Resources Authority and the Petroleum Storage Tank Insurance Fund are administratively attached to the department through the Office of the Director.

## Office of the Director

The Office of the Director provides departmental focus on key outcomes and works to ensure that the decisions that are made result in real environmental improvements.

The Office of the Director seeks to improve efficiency of departmental actions, drives customer-focused initiatives, ensures public participation in decision-making, and attains results affecting the quality of our water, air, land, energy, recreational and cultural resources. It seeks to continue the protection and enhancement of our natural and cultural resources through collaborative, participatory approaches.

The Office of the Director coordinates inter-agency and intra-agency cooperative agree-



DOYLE CHILDERS  
Director



JEFF STAAEK  
Deputy Director



MIKE WELLS  
Chief of Water Resources and  
Deputy Director



DONNA STRATMAN  
Executive Assistant to the  
Director



FLOYD GILZOW  
Deputy Director for Policy



KURT SCHAEFER  
Deputy Director and  
General Counsel

ments, helps develop and direct specific strategies and represents the state in statutory roles. The office also provides information and assistance to state and national legislative bodies and oversees issues of state and national import.

The director of the Department of Natural Resources manages Missouri's natural, cultural and energy resources. The director serves as the state historic preservation officer and as chair of the State Inter-agency Council for Outdoor Recreation and the Energy Policy Council. He also serves as a member of the Soil and Water Districts Commission, the Petroleum Storage



JIM McNICHOLS  
Legislative Liaison



SCOTT TOTTEN  
Chief Ombudsman



LAVERNE BRONDEL  
Director, Administrative Support



CONNIE PATTERSON  
Director of Communications

Tank Insurance Fund Board of Trustees and the Unmarked Human Burial Consultation Committee. The department director represents Missouri on three interstate river organizations: the Missouri River Basin Commission, the Arkansas-White-Red Basins Inter-agency Committee and the Upper Mississippi River Basin Commission.

### Boards and Commissions

Air Conservation Commission  
Clean Water Commission  
Dam and Reservoir Safety Council  
Environmental Improvement and Energy Resources Authority (EIERA)  
Hazardous Waste Management Commission  
Interstate Mining Compact Commission  
Land Reclamation Commission  
Land Survey Advisory Committee  
Low-Income Weatherization Assistance Policy Advisory Council  
Low Level Radioactive Waste Compact Advisory Committee  
Minority Environmental Literacy Advisory Committee  
Missouri Advisory Council on Historic Preservation  
Missouri Boundary Commission  
Missouri Lewis and Clark Bicentennial Commission  
Missouri State Park Advisory Board  
Missouri Trails Advisory Board  
Petroleum Storage Tank Insurance Fund Board of Trustees  
Propane Education and Research Council  
Safe Drinking Water Commission  
Small Business Compliance Advisory Committee  
Soil and Water Districts Commission  
Solid Waste Advisory Board  
State Inter-Agency Council for Outdoor Recreation  
State Oil and Gas Council  
State Water Plan Inter-Agency Task Force

Thomas Hart Benton Homestead Memorial Commission

Unmarked Human Burial Consultation Committee  
Water Quality Coordinating Committee  
Well Installation Board

### Compliance Assistance Initiative

The Department of Natural Resources launched a new Compliance Assistance Initiative in November 2005. This initiative reflects the department's new way of doing business, with an increased emphasis on customer service and bringing departmental resources closer to the citizens we serve.

The core pieces of the Compliance Assistance Initiative are the Ombudsman program, environmental assistance visits, improvements to state environmental permitting, expanded satellite offices and improved online information and services for department customers. This effort also includes a \$50 million Clean Water Initiative that will help Missouri communities facing problems related to drinking water and wastewater treatment and management.

Through the Ombudsman Program, the department's ombudsmen facilitate communication on environmental protection needs, parks and historic sites, historic preservation, energy efficiency and other issues. Ombudsmen proactively meet with and serve as a point of contact for citizens, businesses and local governments. Any concerns or issues are forwarded to the appropriate technical staff for action and resolution.

Environmental assistance visits help citizens and facilities understand requirements of their environmental permits. The department walks permit holders through their unique permit requirements and provides compliance assistance rather than conducting formal inspections. Because the visits are not formal inspections, compliance assistance is provided with the expectation that corrections will be made if the department discovers any problems. However,

the department will initiate formal enforcement actions if violations of a very serious nature are found.

As part of its recent Compliance Assistance Initiative, the department also has implemented a new strategy that has cut in half the time required to issue some of its permits. The agency also is working to make the permit process easier and more accessible to Missouri citizens and businesses through the use of eServices. Citizens may now fill out electronic forms for dry cleaner registrations, petroleum storage tanks registrations, open burning of vegetative waste and hazardous waste generator ID numbers online.

The department also has many of its permit, registration and certification forms available in Microsoft Word, Microsoft Works, Open Office and other word processing software. This change enables businesses to complete these forms electronically and save them so they can easily be updated for future submissions. By easing the paperwork process, the department hopes to help its permit holders focus on running successful businesses in a way that's sensitive to Missouri's natural resources. The department also has made significant changes to its Web site, [www.dnr.mo.gov](http://www.dnr.mo.gov), including the addition of a *Google* search engine that allows the user to search the department's and the state of Missouri's Web sites for information by keywords or phrases.

The department has expanded its services to citizens in Missouri with the addition of several new satellite offices. These offices complement and extend the services provided by the regional offices. The department's goal is to serve communities and facilities more directly by placing more staff in the field. Providing local staff assistance helps the agency get environmental help closer to where it is needed.

The department's Compliance Assistance Initiative also includes financial assistance opportunities like the Clean Water Initiative, which is designed to help address the needs of Missouri communities facing water issues. For Missouri communities struggling with problems related to drinking water and wastewater treatment and management, a \$50 million economic incentive and environmental investment package will benefit both rural and urban communities. Communities can use this bond funding to provide safe drinking water and to protect Missouri rivers and streams. Construction and other permanent jobs will be created at the local level.

## Minority Environmental Literacy Advisory Committee

The Minority Environmental Literacy Advisory Committee was established under RSMo 640.240.

Members of the Minority Environmental Literacy Advisory Committee include the director of the Department of Natural Resources or the director's designee (who will serve as chairperson); three representatives of universities and colleges appointed by the affirmative action office of the respective institutions; the commissioner of the Department of Higher Education or the commissioner's designee; the state affirmative action office; and five at-large members appointed by the governor, with the advice and consent of the Senate. The five gubernatorial-appointed members shall be high school teachers and college professors and shall be selected to represent various regions of the state.

The committee awards scholarships to minority and under-represented students to pursue environmentally related courses of study in order to increase their enrollment in this field.

## Soil and Water Conservation Program

The Office of the Director houses the Soil and Water Conservation Program. The program administers the policies and general programs developed by the Soil and Water Districts Commission for saving Missouri's soil and water through the conservation districts in their work with landowners.

The primary responsibility of the department's Soil and Water Conservation Program is to assist districts as they promote soil and water conservation to their constituents. The districts provide financial incentives and technical assistance to agricultural landowners as well as educate their communities through field days, tours and programs in schools.

Other program activities include encouraging concentrated land treatment in special watershed areas, updating a statewide soil survey, administering statewide Cost-Share and Loan-Interest Share programs and providing educational programs. The program also provides direct assistance to the 114 districts through grants and training.

## Soil and Water Districts Commission

**Brown, Elizabeth**, (D), chair, Fayette, Aug. 15, 2005;

**Aylward, John D.**, (R), member, Memphis, Aug. 15, 2006;

**Braden, Kathryn**, (R), member, Bradleyville, Aug. 15, 2007;



**ELIZABETH BROWN**  
Chair, Soil and Water  
Districts Commission



**LEON KREISLER**  
Vice Chair, Soil and Water  
Districts Commission



**JOHN D. AYLWARD**  
Member, Soil and Water  
Districts Commission



**MERIDETH BAUGHN**  
Member, Soil and Water  
Districts Commission



**KATHRYN BRADEN**  
Member, Soil and Water  
Districts Commission



**DOYLE CHILDERS**  
*Ex Officio* Member, Soil and  
Water Districts Commission



**RICHARD FORDYCE**  
Member, Soil and Water  
Districts Commission



**BILL FOSTER**  
Staff Director, Soil and  
Water Districts Commission



**JOHN HOSKINS**  
*Ex Officio* Member, Soil and  
Water Districts Commission



**THOMAS PAYNE**  
*Ex Officio* Member, Soil and  
Water Districts Commission



**KATIE SMITH**  
*Ex Officio* Member, Soil and  
Water Districts Commission

**Fordyce, Richard, (R)**, member, Bethany, Aug. 15, 2007;

**Kreisler, Leon, (R)**, member, Salem, Aug. 15, 2008;

**Merideth, Baughn, (D)**, member, Caruthersville, Aug. 15, 2006;

**Childers, Doyle**, director, Department of Natural Resources, *ex officio* member, Jefferson City;

**Smith, Katie**, director, Department of Agriculture, *ex officio* member, Jefferson City;

**Hoskins, John**, director, Department of Conservation, *ex officio* member, Jefferson City;

**Payne, Thomas**, dean, University of Missouri, College of Agriculture, Food and Natural Resources, *ex officio* member, Columbia;

**Foster, Bill**, staff director, Soil and Water Districts Commission.

### Water Resources Center

The Office of the Director also houses the Water Resources Center. The center's responsibilities are defined in the Missouri Water Resource Law, which addresses the development, conservation and utilization of the state's water resources. To assist communities, public entities and state and



**RICH FRUEH, P.E.**  
Chair, Dam and Reservoir  
Safety Council



**JEFFREY D. CAWLFIELD**  
Vice chair, Dam and Reservoir  
Safety Council



**GERALD F. ENGEMANN**  
Member, Dam and Reservoir  
Safety Council



**RON FOX**  
Member, Dam and Reservoir  
Safety Council



**DAVID HAMILTON**  
Member, Dam and Reservoir  
Safety Council



**GENE HITES**  
Member, Dam and Reservoir  
Safety Council



**THOMAS F. MYERS**  
Member, Dam and Reservoir  
Safety Council



**JIM ALEXANDER**  
Staff Director, Dam and  
Reservoir Safety Council

federal agencies, the center provides technical assistance through drought assessment, planning and water resource monitoring. Functional units within the center include interstate waters, groundwater, surface water, dam and reservoir safety, wetland studies and water resource planning.

The interstate waters staff coordinates issues relating to major river basins that affect Missouri and provide technical support for negotiations and litigation actions to protect the state's rights to these waters. The groundwater section operates and maintains a groundwater level observation well network for monitoring Missouri's aquifers. Collection and analysis of groundwater data provides knowledge of available water quantity, aquifer response to water use, groundwater recharge and aquifer characteristics. The surface water section provides technical support by performing water supply analyses, in-stream flow assessments and floodplain studies. The surface water section also administers the collection and analysis of statewide water use data in accordance with the Major Water User Law. The Dam and Reservoir Safety staff and the Dam and Reservoir Safety Council are responsible for ensuring that all new and existing non-agricultural, non-federal dams 35 feet or more in height meet minimum safety standards as established by the Dam and Reservoir Safety Law. The center also pro-

vides technical support to the Missouri Drought Assessment Committee, and leadership and coordination of State Water Resources Planning and wetland activities.

## Dam and Reservoir Safety Council

**Frueh, Rich, P.E.**, chair, St. Louis;  
**Cawfield, Jeffrey D.**, vice chair, Rolla;  
**Engemann, Gerald F.**, Hermann;  
**Fox, Ron**, Bonne Terre;  
**Hamilton, David**, Macon;  
**Hites, Gene**, Viburnum;  
**Myers, Thomas F.**, Lake Lotawana;  
**Alexander, Jim**, staff director, Rolla.

## Missouri Energy Center

The Missouri Energy Center helps Missourians meet their energy needs by focusing on three areas of responsibility: analyzing energy supplies and prices, encouraging the use of energy-efficient practices and technologies, and advocating for renewable energy resources and technologies to benefit Missouri's environment and economy.

The Energy Center provides technical and financial assistance for energy-efficiency and renewable-energy improvements; supports market development and demonstration projects promoting clean energy sources and technolo-



JEROME GOVERO  
Vice Chair, EIERA



DERON CHERRY  
Secretary/Treasurer, EIERA



RYAN DOYLE  
Member, EIERA



DARWIN HINDMAN  
Member, EIERA



THOMAS WELCH  
Director, EIERA

gies; provides energy data, information and research on energy issues to all Missourians; and promotes policies that support energy efficiency.

Employees work with residential, agricultural, educational, local government, business and industrial clients to develop energy-efficiency programs and measures that pay back the initial investment within a reasonable timeframe. Staff consults with the Office of Administration and other agencies to integrate energy efficiency into state buildings and purchases.

The department monitors energy supplies and prices, works with state decision-makers to help ensure adequate energy supplies for Missouri and reviews policy issues relevant to Missouri energy needs.

Staff also trains other state agencies to use alternative fuel vehicles in compliance with state laws, and it partners with the federal Clean Cities programs in Missouri's metropolitan areas to strive for cleaner air and water through alternative transportation fuels and technologies. Staff in the Department of Natural Resources also manages the mid-Missouri Rideshare program and connects Missouri commuters to the carpooling program nearest them.

The department provides financial assistance for energy-efficiency projects and administers

the low-income weatherization assistance program, which serves Missouri citizens through 18 local agencies. The program makes more than 2,000 low-income family homes more energy efficient and safe each year by installing measures such as wall and attic insulation, by cleaning and tuning heating systems and by reducing air infiltration. The department's energy revolving loan fund helps schools, colleges, universities and local governments finance energy-efficiency projects so that money saved can be used for other public needs.

### Low-Income Weatherization Assistance Policy Advisory Council

The council provides policy review and recommendations for delivery of the Low-Income Weatherization Assistance Program in Missouri. Federal regulations require that a policy advisory council be formed to advise the department on weatherization program issues and distribution of financial assistance. The council reviews and makes recommendations to the department pertaining to the Missouri Weatherization State Plan, federal grant application and programmatic policies.



**DONALD McNUTT**  
Chair, Petroleum Storage Tank  
Insurance Fund



**JAMES P. FORD**  
Vice Chair, Petroleum Storage  
Tank Insurance Fund



**JOHN ALBERT**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**RICHARD AUBUCHON**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**THOMAS KOLB**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**SCHUYLER J. MARIAE**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**DANNY OPIE**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**THOMAS J. PFEIFFER**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**MELVIN SCHEBAUM**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**DAN SCHUETTE**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**BRUCE WORK**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**CAROL R. EIGHMEY**  
Executive Director, Petroleum  
Storage Tank Insurance Fund

## Low-Income Weatherization Assistance Policy Advisory Council

**Jackson, Robert T.**, chair, Kansas City, June 2007;  
**Feltner, Eric**, Lieutenant Governor's Office, Jef-  
ferson City, June 2008;

**Joines, John**, member, Joplin, June 2008;

**Kind, Ryan**, member, Jefferson City, June 2007;

**Levetzow, Pam**, member, Jefferson City, June  
2008;

**Rohlfing, Chris**, member, Columbia, June 2007;

**Ross, Anne**, member, Missouri Department of Eco-  
nomic Development, Jefferson City, June 2007;

**Sanders, Terry**, member, West Plains, June 2007;

**Steinmann, Todd**, member, Springfield, June 2008.

## Environmental Improvement and Energy Resources Authority

Telephone: (573) 751-4919 / FAX: (573) 635-3486

The Missouri General Assembly established the Environmental Improvement and Energy Resources Authority (EIERA) in 1972 to protect Missouri's environment, develop energy alterna-

tives, promote economic development and conduct research.

The EIERA finances projects with tax-exempt bonds and notes, conducts environmental studies and provides technical and financial assistance for market development. The authority's mandate is broad and assistance can be offered to businesses, institutions, municipalities and government agencies for energy conservation and environmental projects.

### Environmental Improvement and Energy Resources Authority

**Govero, Jerome**, (R), vice chair, Festus, January 2005;

**Cherry, Deron**, (R), secretary/treasurer, Kansas City, January 2007;

**Doyle, Ryan**, (R), member, Warrensburg, January 2008;

**Hindman, Darwin**, (D), member, Columbia, January 2006;

**Kramer, Robert C.**, (D), member, St. Louis, January 2010;

**Welch, Thomas**, director, Jefferson City.

### Petroleum Storage Tank Insurance Fund Board of Trustees

The Petroleum Storage Tank Insurance Fund Board of Trustees was established in 1996 (Section 319.129, RSMo). The board administers the Petroleum Storage Tank Insurance Fund, which insures tank owners against the risks associated with leaks of petroleum products from their tanks or piping. It also provides funding to clean up certain properties where historic tank operations have contaminated the environment, restoring their properties to economic viability.

The 11-member board includes the commissioner of administration and the directors of the departments of Agriculture and Natural Resources. With Senate approval, the governor appoints eight citizens who each serve a four-year term. The citizens represent tank owners, financial institutions, industrial and commercial users of petroleum, the insurance industry and the public.

### Petroleum Storage Tank Insurance Fund Board of Trustees

**McNutt, Donald**, chair, large owner/operator of petroleum storage tanks representative, St. Louis, Feb. 6, 2009;

**Ford, James P.**, vice chair, insurance underwriting industry representative, Jefferson City, Feb. 6, 2008;

**Albert, John**, Department of Agriculture;

**AuBuchon, Richard**, Office of Administration;

**Kolb, Thomas**, small owner/operator of petrole-



DOUGLAS EIKEN, Ph.D.  
Director  
Division of State Parks

um storage tanks representative, Jefferson City, Feb. 6, 2007;

**Mariea, Schuyler J.**, financial institutions representative, Jefferson City, Feb. 6, 2010;

**Opie, Danny**, industrial and commercial users of petroleum representative, Eldon, Feb. 6, 2008;

**Pfeiffer, Thomas J.**, public member, Kansas City, Feb. 6, 2006;

**Schebaum, Melvin**, owner/operator of above-ground storage tanks representative, Jefferson City, Feb. 6, 2009;

**Schuette, Daniel R.**, Department of Natural Resources;

**Work, Bruce**, public member, Cuba, Feb. 6, 2011;

**Eighmey, Carol R.**, executive director, Jefferson City.

### Division of State Parks

Telephone: 1-800-334-6946 or (573) 751-2479

FAX: (573) 751-8656

[www.mostatateparks.com](http://www.mostatateparks.com)

This division develops and manages state parks and historic sites and coordinates statewide programs in the areas of outdoor recreation and trails. The division is funded primarily through the parks, soil and water sales tax, which was approved by voters in 1984, 1988, 1996 and 2006.

In addition to providing Missourians with recreational opportunities, this division preserves natural and historically significant resources and houses the State Historic Preservation Office. To assist the department in coordinating with American Indian groups on issues related to state parks, historic sites and historic preservation, Morris Westfall was appointed to serve as the Governor's Ombudsman to Tribal Governments.

### State Historic Preservation

The Department of Natural Resources supports historic preservation efforts in Missouri. The

department receives an annual allocation of federal Historic Preservation Fund monies from the U.S. Department of the Interior's National Park Service. These funds are used to help identify, evaluate and protect Missouri's cultural resources.

The department coordinates surveys statewide to identify historic, architectural and archaeological resources. Significant properties identified in the surveys may be nominated to the National Register of Historic Places, the federal list of properties deemed worthy of recognition and preservation. Missouri has more than 1,800 listings on the National Register, representing more than 32,000 historic buildings, sites, structures and objects. The Missouri Cultural Resource Inventory is being built from information gathered from the survey and nomination process.

As part of its federally mandated responsibilities, the department reviews all federally funded or licensed projects in Missouri to ensure compliance with related federal legislation. The department also administers federal Historic Preservation Fund matching grants for identifying and preserving cultural resources. Through Missouri's Certified Local Government program, the department trains municipalities in local preservation techniques and awards federal matching grants to help accomplish local preservation goals.

Since 1976, federal tax incentives and related legislation have promoted interest in rehabilitating historic buildings. In 1998, that interest was augmented and revitalized with the authorization of state tax credits, administered by the Community Development Division of the Missouri Department of Economic Development. The federal tax credits are available to private investors who rehabilitate historic buildings for uses that produce income, such as office buildings and apartments. The state tax credits may be used in combination with federal credits for rehabilitation of income-producing property or for the rehabilitation of non income-producing residential properties. The Department of Natural Resources reviews both federal and state tax credit applications for historic eligibility and conformity with preservation guidelines and standards.

The State Historic Preservation Office also administers Missouri's Historic Preservation Revolving Fund, a state fund that allows the department to help preserve endangered historic buildings. Gov. Blunt's DREAM (Downtown Revitalization and Economic Assistance for Missouri) initiative, which helps communities engage in downtown revitalization, also supports and broadens these historic preservation efforts.

## Missouri Advisory Council on Historic Preservation

This council reviews all Missouri nominations to the National Register of Historic Places. The council advises the department director, the state's historic preservation officer, on historic preservation needs, plans and issues.

## Missouri Advisory Council on Historic Preservation

**Allen, Gregory**, chair, Kansas City;  
**Wieggers, Robert, Ph.D.**, vice chair, Fayette;  
**Bustos, Patrick**, secretary, Kansas City;  
**Holland, Antonio, Ph.D.**, Columbia;  
**Kaveney, Kevin**, St. Louis;  
**Kuypers, Thomas**, St. Charles;  
**Morris, Jimmy Dale**, Springfield;  
**Shirley, Allen R.**, Joplin;  
**Stiritz, Mary (Mimi)**, Clayton;  
**Stepenoff, Bonnie, Ph.D.**, Cape Girardeau;  
**Trivers, Andrew J.**, St. Louis.

## Unmarked Human Burial Consultation Committee

This committee was established under provisions of Missouri's Unmarked Human Burial Act, which governs the disposition of unmarked human burial remains uncovered during ground disturbing activities.

Appointed by the governor, the seven-member committee, which includes an archaeologist, an anthropologist and representatives of minority and American Indian groups, makes final decisions as to the respectful treatment and appropriate reburial of all recovered unmarked human remains.

## Unmarked Human Burial Consultation Committee

**Conner, Michael, Ph.D.**, Strafford;  
**Edging, Richard, Ph.D.**, Columbia;  
**Gaydusek, Lenora**, Harrisonville;  
**Foster Green, Debra, Ph.D.**, Jefferson City.

## State Parks and Historic Sites

Protecting, developing and interpreting a well-balanced system of areas of outstanding natural and historic importance are the functions of the Division of State Parks. The state park system includes diverse recreational opportunities, ranging from wilderness areas to trout parks. The park system includes 83 state parks and historic sites totaling more than 140,000 acres plus 61,000 acres in the Roger Pryor Pioneer Backcountry. Almost 17 million people visit the system annually.

State parks protect outstanding natural fea-

tures and interpret their significance for the general public through various means including programs, exhibits and brochures. Recreational opportunities include camping, picnicking, swimming, boating, fishing and hiking.

State historic sites commemorate events or structures of statewide historical importance and honor people of state and national importance. Development of these historic sites is oriented toward restoration. These sites include interpretation by signs, tour guides, booklets or museum exhibits.

### Missouri State Park Advisory Board

The board was created in 1986 to advise the department on matters relating to state parks and historic sites. The board, appointed by the governor, is composed of Larry Russell, chair, Springfield; Elizabeth Buckrucker, vice chair, Holt; Albert Duane Addleman, Springfield; Jerry Hollingsworth, St. Peters; Robert D. Miller, Meadville; Wayne L. Morton, Osceola; Max H. Nall II, Webster Groves; and Anne O'Connell Albrecht, St. Louis.

### Grant Management

The Division of State Parks is responsible for administering federal grant programs that provide financial assistance to individuals, groups and public entities for a variety of purposes.

The division administers funds from the Recreational Trails Program, which provides federal money for the development of trails. The Missouri Trails Advisory Board makes recommendations on grant awards and policy issues for the grant program. This advisory board is made up of representatives of trail user groups, including pedestrian, equestrian, off-highway motorcycling, all-terrain vehicle riding, bicycling, mountain bicycling, accessibility and general trail use.

The division also administers and monitors projects funded through the federal Land and Water Conservation Fund (LWCF) program, which provides federal funds for local outdoor recreation projects. The LWCF grants are awarded through the State Inter-Agency Council for Outdoor Recreation (SAICOR). SAICOR awards and oversees grants, provides a forum for consideration of outdoor recreation problems in Missouri and provides advice regarding problem solving and planning. Division staff provides administrative services to SAICOR; notifies the public regarding availability of grant funds; evaluates grant proposals; makes recommendations regarding funding to SAICOR; administers projects through acquisition, construction and reimbursement phases; and performs follow-up inspections to assure compliance. In addition to

administering grants, the division develops the Statewide Comprehensive Outdoor Recreation Plan.

SAICOR members include the commissioner of the Office of Administration; a representative from the University of Missouri; and directors of the departments of Natural Resources, Agriculture, Conservation, Economic Development, Transportation and Social Services. The director of the Department of Natural Resources serves as council chair.

### Thomas Hart Benton Homestead Memorial Commission

The Kansas City home of the late artist Thomas Hart Benton is a state historic site administered by the Division of State Parks.

Commissioners were selected for their personal knowledge of and friendship with Thomas Hart Benton to advise the department on the accurate restoration of his home and the development of an interpretive program for visitors. The commission accomplished its original mission.

### Missouri State Parks and State Historic Sites

#### Central Region

**Arrow Rock State Historic Site**, Saline County, 15 miles east of Marshall on Missouri 41.

**Boone's Lick State Historic Site**, Howard County, MM from Missouri 87, 19 miles northwest of Boonville.

**Bothwell Lodge State Historic Site**, Pettis County, five miles north of Sedalia on U.S. 65.

**Clark's Hill/Norton State Historic Site**, Cole County near Osage City.

**Finger Lakes State Park**, Boone County, 10 miles north of Columbia on U.S. 63.

**Jefferson Landing State Historic Site**, Jefferson City, between State Capitol and Governor's Mansion.

**Jewell Cemetery State Historic Site**, Boone County, near Columbia.

**Katy Trail State Park**, the 225-mile trail has been developed between Clinton and St. Charles.

**Missouri State Museum**, Cole County, located in both the east and west wings of the first floor of the Capitol.

**Rock Bridge Memorial State Park**, Boone County, seven miles south of Columbia on Missouri 163.

**Sappington Cemetery State Historic Site**, Saline County, four and one-half miles southwest of Arrow Rock on County AA Spur.

**Van Meter State Park**, Saline County, 12 miles northwest of Marshall on Missouri 122.

### Kansas City Region

**Battle of Lexington State Historic Site**, Lafayette County in Lexington on U.S. 24.

**Thomas Hart Benton Home and Studio State Historic Site**, 3616 Belleview, Kansas City.

**Big Lake State Park**, Holt County, 11 miles southwest of Mound City on Missouri 118 and Missouri 159.

**Confederate Memorial State Historic Site**, Lafayette County, one mile north of Higginsville on Missouri 20 and Missouri 13.

**Knob Noster State Park**, Johnson County at Knob Noster on U.S. 50.

**Lewis and Clark State Park**, Buchanan County, 20 miles southwest of St. Joseph on Missouri 45.

**Wallace State Park**, Clinton County, six miles south of Cameron on Missouri 121.

**Watkins Woolen Mill State Historic Site**, Clay County, six and one-half miles north of Excelsior Springs on U.S. 69.

**Weston Bend State Park**, Platte County, one mile south of Weston on Missouri 45.

### Lakes Region

**Battle of Carthage State Historic Site**, Jasper County, East Chestnut Street, Carthage.

**Bennett Spring State Park**, 12 miles west of Lebanon on Missouri 64.

**Big Sugar Creek State Park**, McDonald County, five miles east of Pineville on County Road SE W24.

**Nathan Boone Homestead State Historic Site**, Greene County, north of Ash Grove on Missouri V.

**Ha Ha Tonka State Park**, Camden County, five miles southwest of Camdenton.

**Lake of the Ozarks State Park**, Camden County, near Osage Beach on Missouri 42.

**Osage Village State Historic Site**, Vernon County, near Schell City, nine miles north of U.S. 54 off Vernon County C.

**Pomme de Terre State Park**, Hickory County, four miles north of Pittsburg on Missouri 64.

**Prairie State Park**, Barton County, 25 miles north of Joplin on Barton County P and K, off Missouri 43.

**Roaring River State Park**, Barry County, seven miles south of Cassville on Missouri 112.

**Stockton State Park**, Cedar County, at Stockton on Missouri 215.

**Table Rock State Park**, Stone County, five miles west of Branson on Missouri 165.

**Harry S Truman Birthplace State Historic Site**, Barton County, in Lamar on U.S. 160.

**Harry S Truman State Park**, Benton County, west of Warsaw.

### Northeast Region

**Battle of Athens State Historic Site**, Clark County, near Revere.

**Crowder State Park**, Grundy County, two miles west of Trenton on Missouri 128.

**Cuivre River State Park**, Lincoln County, five miles east of Troy on Missouri 47.

**Graham Cave State Park**, Montgomery County, two miles west of Danville on County TT.

**Iliniwek Village State Historic Site**, Clark County, southeast of St. Francoisville.

**Locust Creek Covered Bridge State Historic Site**, Linn County, three miles west of Laclede on U.S. 36.

**Long Branch State Park**, Macon County, five miles west of Macon on U.S. 36.

**Gen. John J. Pershing Boyhood Home State Historic Site**, Linn County, in Laclede on Missouri 139.

**Pershing State Park**, Linn County, two miles southwest of Laclede off U.S. 36.

**Thousand Hills State Park**, Adair County, four miles west of Kirksville on Missouri 157.

**Mark Twain Birthplace State Historic Site**, Monroe County, near Paris on Missouri 107.

**Mark Twain State Park**, Monroe County, at Florida on Missouri 107.

**Union Covered Bridge State Historic Site**, Monroe County, eight miles southwest of Paris on County C.

**Wakonda State Park**, Lewis County, three miles south of LaGrange on U.S. 61.

### Southeast Region

**Sam A. Baker State Park**, Wayne County, three miles north of Patterson on Missouri 143.

**Big Oak Tree State Park**, Mississippi County, 10 miles south of East Prairie, on County A to Missouri 102.

**Bollinger Mill State Historic Site and Burfordville Covered Bridge State Historic Site**, Cape Girardeau County, in Burfordville on Missouri 34.

**Dillard Mill State Historic Site**, Crawford County, 12 miles southeast of Steelville near Missouri 49 at Dillard.

**Elephant Rocks State Park**, Iron County, northeast edge of Graniteville on Missouri 21.

**Fort Davidson State Historic Site**, Iron County, in Pilot Knob on Missouri 21.

**Grand Gulf State Park**, Oregon County, six miles west of Thayer.

**Hunter-Dawson State Historic Site**, New Madrid County, in New Madrid on U.S. 61.

**Johnson's Shut-Ins State Park**, Reynolds County, eight miles north of Lesterville on County N.

**Lake Wappapello State Park**, Wayne County, 12 miles north of Poplar Bluff on U.S. 67 and nine miles east on Missouri 172.

**Montauk State Park**, Dent County, 21 miles southwest of Salem on Missouri 119.

**Morris State Park**, Dunklin County, southwest of Malden.

**Onondaga Cave State Park**, Crawford County, three miles south of Leasburg on County H.

**Roger Pryor Pioneer Backcountry**, Shannon County, off State Route P from Hwy. 72.

**Taum Sauk Mountain State Park**, Iron County, nine miles southwest of Ironton.

**Towosahgy State Historic Site**, Mississippi County, east of East Prairie on County FF.

**Trail of Tears State Park**, Cape Girardeau County, 10 miles north of Cape Girardeau on Missouri 177.

#### St. Louis Region

**Dr. Edmund A. Babler Memorial State Park**, 20 miles west of St. Louis on Missouri 109 off St. Louis County CC.

**Castlewood State Park**, St. Louis County, near Ballwin.

**Deutschheim State Historic Site**, Gasconade County, 109 W. Second St., Hermann.

**Gov. Daniel Dunklin's Grave State Historic Site**, Jefferson County, in Herculaneum on U.S. 61.

**First Missouri State Capitol State Historic Site**, St. Charles County, in St. Charles on Main Street.

**Hawn State Park**, Ste. Genevieve County, 13 miles east of Farmington on Missouri 32.

**Edward "Ted" and Pat Jones-Confluence Point State Park**, St. Charles County, in West Alton.

**Scott Joplin House State Historic Site**, 2658-A Delmar, St. Louis.

**Mastodon State Historic Site**, Jefferson County, near Imperial, off I-55.



JIM MACY  
Director  
Field Services Division

**Meramec State Park**, Franklin County, four miles east of Sullivan on Missouri 185.

**Missouri Mines State Historic Site**, St. Francois County in Park Hills on Hwy. 32.

**Robertsville State Park**, Franklin County, eight miles east of I-44 on Rt. O.

**Route 66 State Park**, St. Louis County, two miles east of Eureka off I-44.

**St. Francois State Park**, St. Francois County, four miles north of Bonne Terre on U.S. 67.

**St. Joe State Park**, St. Francois County, in Park Hills.

**Sandy Creek Covered Bridge State Historic Site**, Jefferson County, five miles north of Hillsboro, off Missouri 21.

**Felix Valle State Historic Site**, Ste. Genevieve County, Merchant at Second St., Ste. Genevieve.

**Washington State Park**, Washington County, 14 miles northwest of Potosi on Missouri 21.

## Field Services Division

Telephone: (573) 526-5804 / FAX: (573) 751-6755

The Field Services Division delivers compliance assistance, permitting, inspections and other environmental expertise closest to where Missourians live and work. It oversees the department's system of regional and satellite offices and is home to the department's Environmental Services Program as well as environmental education and community assistance staff.

## Regional and Satellite Offices

The five regional offices and 15 satellite offices deal with local environmental matters. Regional offices in St. Louis, Kansas City, Springfield, Poplar Bluff and Macon provide the department closer contact with the public through field inspections of regulated facilities, complaint investigation, front line troubleshooting and tech-

nical assistance, as well as local environmental emergency response. Regional offices support air pollution control, water pollution control, environmental emergency response, public drinking water, solid waste management, hazardous waste, and soil and water conservation efforts. Satellite offices are located in Portageville, Willow Springs, Fredericktown, Rolla, Maryville, Kansas City, Warsaw, Sullivan, Festus, Troy, LaGrange, Osage Beach, Neosho, Carthage and Branson.

## Environmental Services Program

The Environmental Services Program staffs a 24-hour-a-day, seven-days-a-week spill notification hotline at (573) 634-2436 for the reporting of hazardous material and substance releases that impact public safety and the environment. Each year, the department receives 1,500 to 2,000 incident reports on the spill hotline, responding on-site to approximately 25 percent of them and providing information and coordination to the remainder.

The program operates air monitoring instruments at 34 locations throughout Missouri, performs air quality studies and uploads air quality data to the Internet for public access. It also maintains the state's environmental laboratory. More than 112,000 total analyses are performed each year in the analytical laboratory on air, water and soil samples. This includes 87,000 analyses on drinking water from public water supplies across Missouri.

The program assists with safe-handling management and disposal of hazardous chemicals from clandestine drug labs, primarily methamphetamine. The program distributes personal protective equipment, supplies and air monitoring equipment to law enforcement and provides clandestine drug laboratory investigation training and health and safety recertification training in cooperation with the Missouri State Highway Patrol.

## Division of Geology and Land Survey

Telephone: (573) 368-2100 / FAX: (573) 368-2111

The Geology and Land Survey Division provides technical assistance, education and guidance in the use and protection of Missouri's natural resources; interprets the state's geological setting; helps determine the availability of its energy and mineral resources; evaluates and interprets geological hazards; and determines land boundaries. The division restores land survey monuments, provides survey data and defines hazardous areas such as those subject to earthquake or catastrophic collapse.



MIMI GARSTANG  
Director, Division of Geology  
and Land Survey

The results of studies conducted by the division are available to the public through published reports, maps and other documents. Today, some information on water resources, geology, well locations, mineral resources and geologic hazards is provided using geographic information system (GIS) databases. Professional staff members are available to assist in solving a wide variety of geological and land surveying problems. Staff also conducts seminars, workshops and field trips.

The division cooperates with the U.S. Geological Survey on numerous projects, including the National Cooperative Geologic Mapping Program, a national effort to complete geologic maps for the entire United States at a 1:24,000 scale. Other responsibilities of the division include work carried out under contract with funding through grants or agreements with other state agencies. A number of activities relating to oil and gas permits and production, geological and hydrologic evaluations, studies of disposal waste sites, spill responses, land survey contracts, corner remonumentation and document distribution include work supported by fees or are carried out under contract with funding through federal grants.

## Division Director and State Geologist

The division director serves as the State Geologist and is responsible for ensuring that statutory obligations are met. The state geologist is the administrator of the Missouri State Oil and Gas Council and a member of the Land Reclamation Commission, the Well Installation Board, the Missouri Boundary Commission, the Geologist Registration Board and serves as a Missouri representative to the Central United States Earthquake Consortium.

## Geological Survey Program

The Geological Survey Program uses geologic information and knowledge to assist Missouri

citizens in the management of natural resources for a higher standard of living and healthy natural environment. The program gathers data that describes and interprets Missouri's vast geological resources. Accurate, reliable information about the distribution and composition of geologic materials is vitally important for making informed land use decisions. This information is necessary for locating mineral deposits, managing groundwater resources, selecting waste disposal facilities and evaluating geologic hazards. The program receives thousands of requests for geological assistance each year.

Staff in this program also conducts geologic field investigations that provide technical assistance to the public and government agencies. These services include determining the environmental hazards posed by waste disposal sites and spills of hazardous materials. Geological principles also are applied to minimize the impact of chemical releases or spills.

Missouri is blessed with vast quantities of fresh groundwater. The Geological Survey Program works to protect this valuable but fragile resource from contamination. In addition to assistance provided in siting waste disposal facilities, the program also implements the Oil and Gas Act and the Underground Injection Control Program of the Safe Drinking Water Act.

### State Oil and Gas Council

The State Oil and Gas Council fosters and promotes the orderly and economic development and production of Missouri's oil and gas resources. The council also works to ensure that wastes generated by oil and gas wells are managed properly to minimize the impact on the environment. In addition, the council protects groundwater aquifers that may be affected by oil and gas well drilling.

### State Oil and Gas Council

**Dunn-Norman, Dr. Shari**, chair, Rolla;  
**Galbraith, Ed**, vice chair, Jefferson City;  
**Davis, Jeff**, Jefferson City;  
**Garstang, Mimi**, Rolla;  
**Maglich, Terry**, Jefferson City;  
**Luebbert, William J.**, Jefferson City;  
**Vacancy**, Public Member.

### Land Survey Program

The division's Land Survey Program provides information and resources for the economical and accurate location of all private and public boundaries in Missouri. The program is responsible for the restoration and preservation of the original corner monuments established by the General Land Office for the U.S. Public Land Survey System. The division maintains a records



DAN SCHUETTE  
 Director, Division of  
 Environmental Quality

storage and retrieval system for all land survey records and geodetic data. Other activities include the development of regulations for uniform professional surveying standards, the development of statewide Geographic Reference Systems and the restoration of state and county boundaries.

### Land Survey Advisory Committee

The Land Survey Advisory Committee is appointed by the director of the Missouri Department of Natural Resources. The five members advise the department director on program planning and prioritization and design of regulations.

### Land Survey Advisory Committee

**Detring, Cara L.**, title industry, Farmington, May 1, 2010;  
**Dopuch, Paul**, PLS, county surveyor, Hermann, Dec. 14, 2007;  
**Emerick, Stan L.**, PLS, land surveying industry, Chesterfield, May 1, 2010;  
**King, Darrel L.**, genera public, California, May 1, 2010;  
**Riggs, Ray L.**, land surveying industry, West Plains, May 1, 2010;

### Division of Environmental Quality

Telephone: (573) 751-0763 / FAX: (573) 751-9277

Protecting and enhancing the quality of Missouri's environment is the responsibility of the department's Division of Environmental Quality. The division enforces environmental rules and regulations related to air and water pollution; hazardous and solid waste; land reclamation; well-head protection and safe public drinking water. The division's specific focus is to prevent pollution and to protect the public from harmful emissions, illegal discharges and waste disposal activities. The division assists Missourians with these goals



MICHAEL FORESMAN  
Chair/Industry Representative  
Air Conservation Commission



MARK A. FOHEY  
Vice Chair/Labor Representative  
Air Conservation Commission



JACK C. BAKER  
Agriculture Representative  
Air Conservation Commission



MARK GARNETT  
Public Member  
Air Conservation Commission



GARY J. PENDERGRASS  
Public Member  
Air Conservation Commission



RICHARD ROCHA  
Public Member  
Air Conservation Commission



KEVIN ROSENBOHM  
Public Member  
Air Conservation Commission



JIM KAVANAUGH  
Staff Director  
Air Conservation Commission

through the traditional roles of permitting and inspections, and through proactive efforts to revitalize contaminated sites for redevelopment. This division also is responsible for protecting and enhancing Missouri's water quality. The division certifies and tracks the required continuing education of all operators of public drinking water systems, wastewater systems and concentrated animal feeding operation waste management systems. The division works to ensure clean air, land and water by cleaning up pollution from the past, addressing pollution problems of today and identifying potential pollution issues of the future.

The division administers five technical programs: air pollution control, hazardous waste management, land reclamation, solid waste management and water protection. The division has several policy making commissions: the Air Conservation Commission, the Hazardous Waste Management Commission, the Land Reclamation Commission, the Clean Water Commission and the Safe Drinking Water Commission. The division also includes the Solid Waste Advisory Board and the Wellhead Installation Board.

### Air Pollution Control Program

The Air Pollution Control Program works to maintain the purity of Missouri's air to protect

the health, general welfare and property of the citizens. The program researches, develops and implements control strategies that help Missouri improve air quality and implement the federal Clean Air Act.

The Air Pollution Control Program evaluates industries wanting to operate in Missouri, predicting their emissions and their impact on the state's air quality and requiring restrictions on emissions where necessary. The program issues construction and operating permits, selects locations for air monitoring equipment and analyzes data collected from these monitors. The Air Pollution Control Program also surveys and inspects sources of air pollution. If a source consistently violates the state's air pollution control regulations, it is subject to enforcement action to return the facility to compliance.

Under the state's federally required plan, the Air Pollution Control Program implements a vehicle emissions testing program in the St. Louis nonattainment area. The nonattainment area includes registered vehicles in St. Louis City, Franklin, Jefferson, St. Louis and St. Charles counties. Vehicles registered in these areas must have an emissions test on a regular basis. The program is designed to achieve the state's goal of reducing ground-level ozone created after vehi-

cles release carbon dioxide, carbon monoxide, hydrocarbons and oxides of nitrogen through their tailpipes. Ozone is a respiratory irritant that can cause health problems, especially for children, the elderly and people with heart and lung diseases.

The Air Pollution Control Program works with stakeholders, the general public and regulated facilities to comply with local, state and federal air quality regulations. The program carries out the policies established by the Air Conservation Commission.

### Air Conservation Commission

The Missouri Air Conservation Commission was created by the Missouri General Assembly in 1965. The commission carries out the Missouri Air Conservation Law. Most often, the commission's activities are directed toward achieving and maintaining the National Ambient (outdoor) Air Quality Standards. When air quality in an area meets all standards, the area is considered to be in attainment. If air monitors detect too much of a pollutant, the area is labeled as nonattainment for that pollutant.

The commission adopts, amends and rescinds rules related to air quality and assigns duties to local air pollution control agencies. The commission lists regions as attainment or nonattainment areas based on the national standards. The commission, through a program involving four delegated local governments and citizens' input, develops strategies for bringing pollutants down to safe levels in nonattainment areas. The commission makes decisions on appeals from enforcement orders and permit conditions. When necessary, the commission also begins legal actions to ensure compliance with Missouri Air Conservation Law and rules.

All members represent the general interest of the public and have an interest in and knowledge of air conservation and the effects and control of air contaminants. With Senate approval, the governor appoints the commission's seven members who each serve a four-year term. At least three of the members must represent agriculture, industrial and labor interests.

### Air Conservation Commission

**Foresman, Michael**, (R), chair/industry representative, St. Louis, Oct. 13, 2007;  
**Fohey, Mark A.**, (D), vice chair/labor representative, Hannibal, Oct. 13, 2008;  
**Baker, Jack C.**, (D), agriculture representative, Butler, Oct. 14, 2009;  
**Garnett, Mark**, (D), public member, West Plains, Oct. 13, 2010;  
**Pendergrass, Gary J.**, (R), public member, Springfield, Oct. 13, 2009;

**Rocha, Richard**, (R), public member, Kansas City, Oct. 13, 2008;

**Rosenbohm, Kevin**, (R), public member, Graham, Oct. 13, 2009;

**Kavanaugh, Jim**, staff director, Air Conservation Commission, Jefferson City.

### Small Business Compliance Advisory Committee

The Small Business Compliance Advisory Committee and Small Business Ombudsman are supported by the Air Pollution Control Program. The Clean Air Amendments require states to implement a three-component program to assist small businesses in their efforts to comply with air regulations: the small business ombudsman, technical assistance to small businesses and the compliance advisory committee. The committee and ombudsman take a multi media approach when acting as a liaison between the department and small business owners and managers. Committee members each serve a four-year term and continue until their successors are appointed.

### Small Business Compliance Advisory Committee\*

**Cole, T. Robin III**, chair, Cape Girardeau, May 2010;

**Archibald, Roger**, vice chair, St. Louis, May 2008;

**Bunch, Dan**, member, Kansas City, September 2004;

**Cain, Pam**, Mo. Department of Natural Resources, California;

**Lonsinger, Jack**, member, Excelsior Springs, November 2005;

**Weible, Douglas**, member, Maryland Heights, July 2004;

**Westfall, Morris**, Governor's Small Business Ombudsman for Air Conservation

**Vacancies** (1);

**Thompson, Lucy**, staff contact, Small Business Compliance Advisory Committee, Jefferson City.

\*Note: When a term expires, the committee member remains on the committee until a reappointment or a replacement has been made.

### Hazardous Waste Program

The department's Hazardous Waste Program protects public health and the environment by keeping Missouri's water, soil and air from being polluted with hazardous wastes and hazardous substances. In addition to enforcing the state laws passed to ensure proper management of hazardous wastes being generated today, the program also oversees the cleanup of problem sites resulting from poor waste management in the past.



TIMOTHY J. WARREN  
Chair/Public Member  
Hazardous Waste Management  
Commission



NORELLA V. HUGGINS  
Vice Chair/Public Member  
Hazardous Waste Management  
Commission



JAMES T. (Jamie) FRAKES  
Public Member, Hazardous  
Waste Management  
Commission



PATRICK M. GLEASON  
Waste Generating Industry  
Representative, Hazardous  
Waste Management Commission



BEN KESSLER  
Public Member, Hazardous  
Waste Management  
Commission



SUSAN WILLIAMSON  
Agriculture Industry  
Representative, Hazardous  
Waste Management Commission



ROBERT GELLER  
Staff Director, Hazardous  
Waste Management Commission

The Hazardous Waste Program reviews applications for permits for facilities that treat, and dispose of or store, hazardous waste for longer than 90 days to ensure these facilities conform to environmental laws and regulations. The program studies the design and operation plans of the facilities for sound engineering practices. After extensive review, the program will prepare a notice of intent to deny or issue a draft permit. After public review and comment, the program will issue or deny a final permit. The program provides oversight for 99 hazardous waste treatment, storage and disposal facilities in Missouri. Currently, 20 are actively handling hazardous waste. The program maintains a database for nearly 15,000 Missouri sites registered as generators of hazardous waste. Many of these sites are no longer generating waste but the information is maintained for future reference.

The program's enforcement staff helps the regional offices inspect generators and treatment, storage and disposal facilities, and takes appropriate action to ensure a timely return to compliance for those generators or facilities that are out of compliance.

The program oversees cleanup activities at more than 100 active or formerly used federal facilities in Missouri. Cleanup activities at federal facilities include site assessments, investigations and remediation. These facilities include those owned or operated by the U.S. Department of Energy, U.S. Department of Defense, other federal agencies and, in some cases, companies that have a contractual tie with one of the federal agencies. The program focuses on sites requiring remediation of hazardous or radioactive wastes that were disposed of prior to the current laws and regulations. The program also currently provides oversight and long-term stewardship at 165 Minuteman II missile sites. In addition, the program has field offices, which allow an on-site presence during federal facility cleanups.

The program's Superfund section evaluates and cleans up federal National Priorities List sites, sites not listed and sites on, or proposed, for the Registry of Abandoned or Uncontrolled Sites in Missouri. The program administers 87 Registry of Abandoned or Uncontrolled sites, 12 Consent Agreement sites, 10 Cooperative Program sites and 26 National Priorities List sites.

The program promotes voluntary cleanups by allowing landowners to pay voluntarily for state oversight of hazardous substance cleanups. Upon satisfactory cleanup, the department will issue a Certificate of Completion stating that the property has been cleaned up to standards acceptable to both the department and the U.S. Environmental Protection Agency. Brownfield cleanups put properties back into productive use, encourage redevelopment and increase economic development in distressed areas. There are 225 brownfield/voluntary cleanup sites currently active in the program, and 329 sites have received a letter of completion.

The department's Hazardous Waste Program has oversight of underground storage tanks and leaking underground storage tanks that contain petroleum. The program oversees regulations governing the construction, installation, operation and closure of underground storage tanks and also is responsible for the investigation and remediation of all leaking petroleum underground storage tank sites.

The department's Hazardous Waste Program is responsible for cleaning up contaminated dry cleaner sites using a fund capitalized with fees paid by the dry cleaning industry.

The Hazardous Waste Program works with stakeholders, the general public and regulated facilities to comply with state and federal hazardous waste regulations. The program carries out the policies of the Hazardous Waste Management Commission.

## Hazardous Waste Management Commission

The Hazardous Waste Management Commission encourages efforts to recycle, incinerate, dispose of properly or otherwise treat hazardous waste. The commission is responsible for categorizing hazardous waste and wastes by disposal method and determines fees to be paid by owners or operators of hazardous waste facilities that must obtain a permit. The commission establishes regulations for the generation, transportation, treatment, storage, cleanup and disposal of hazardous waste and hazardous substances. The commission also hears appeals of decisions made by the department director and rules on requests for variances from hazardous waste management and hazardous substance regulations.

All members represent the general interest of the public and have an interest in and knowledge of waste management and the effects of improper waste management on the health of the public and the environment. With Senate approval, the governor appoints the commission's seven members who each serve a four-

year term. At least three members represent agriculture, waste generating industry and waste management respectively.

**Warren, Timothy J.**, (R), chair/public member, Wildwood, April 3, 2007;

**Huggins, Norella V.**, (D), vice chair/public member, Kirkwood, April 3, 2010;

**Frakes, James T. (Jamie)**, (R), public member, Portageville, April 3, 2008;

**Gleason, Patrick M.**, (R), waste generating industry representative, Webster Groves, April 3, 2009;

**Kessler, Ben**, (R), public member, St. Louis, April 3, 2009;

**Williamson, Susan**, (D), agriculture industry representative, Columbia, April 3, 2008;

**Vacancy**, waste management representative;

**Geller, Robert**, staff director, Hazardous Waste Management Commission, Jefferson City.

## Land Reclamation Program

The Land Reclamation Program works with the mining industry and Missouri communities to minimize the environmental and health-related impacts of mining activities in Missouri.

The Land Reclamation Program carries out Missouri's Abandoned Mine Land program to reclaim abandoned coal mine sites within Missouri that have safety hazards or environmental problems. Abandoned mine lands are defined as lands mined prior to August 1977 using 100 percent federal funds for reclamation. Missouri's abandoned mine land emergency program allows the Land Reclamation Program to reduce or control emergency situations in which adverse effects of past coal mining pose an immediate danger to the public.

The Land Reclamation Program regulates mining and reclamation activities and issues permits for barite, clay, coal, granite, gravel, limestone, sand, sandstone, traprock and tar sands. As part of the permitting process, mining companies must provide financial assurance to the Land Reclamation Program that provides for reclamation should the company not be able to complete this activity. Reclamation bonds ensure that sites are properly graded, replanted and maintained after mining ceases. After the mining company completes all required reclamation, the commission releases these financial assurances and relieves the responsible company of any further reclamation liabilities.

The Land Reclamation Program works with stakeholders, the general public and the regulated facilities to comply with state and federal mining and land reclamation regulations. The program carries out the policies of the Land Reclamation Commission.



**JAMES M. DIPARDO**  
Chair/Public Member  
Land Reclamation Commission



**DR. GREGORY HADDOCK**  
Vice Chair/Public Member  
Land Reclamation Commission



**EDWARD GALBRAITH**  
Staff Director, Clean Water  
Commission, Statutory Member  
Land Reclamation Commission



**MIMI GARSTANG**  
Director, Division of Geology  
and Land Survey, Statutory  
Member, Land Reclamation  
Commission



**JOHN HOSKINS**  
Director, Department of Conser-  
vation, Statutory Member  
Land Reclamation Commission



**NICK MATHERLY**  
Public Member  
Land Reclamation Commission



**COL. JOHN RIFFLE**  
Public Member  
Land Reclamation Commission



**LARRY P. COEN**  
Staff Director  
Land Reclamation Commission

## Land Reclamation Commission

The Land Reclamation Commission is the ruling body over Missouri's mining requirements set forth in three state statutes. These mining statutes protect public health, safety and the environment from the adverse effects of mining and assure the beneficial restoration of mined lands.

The Land Reclamation Commission is responsible for issuing mining permits related to industrial minerals, metallic minerals and coal and oversees Missouri's Abandoned Mine Land program. The commission establishes rules and regulations for mining activities and oversees investigations and inspections necessary to ensure compliance. The commission conducts hearings and, when necessary, may revoke a permit and cease operations at a facility for failure to comply with any order of the commission. The commission also orders forfeiture of bonds for failure to comply with any provisions of law or any order of the commission.

The seven-member commission includes three statutory and four public members. The statutory members include the state geologist, the director of the Missouri Department of Conserva-

tion and the staff director of the Clean Water Commission. The four public members must have an interest in and knowledge of conservation and land reclamation, and one must have training and experience in surface mining. Only one member of the commission may have a direct link with the mining industry. With Senate approval, the governor appoints four public members. All members serve a four-year term and continue until their successors are appointed.

## Land Reclamation Commission

**DiPardo, James M.**, (D), chair/public member, St. James, Sept. 28, 2009;

**Haddock, Dr. Gregory**, (R), vice chair/public member, Maryville, Sept. 28, 2007;

**Galbraith, Edward**, statutory member, staff director, Clean Water Commission, Jefferson City;

**Garstang, Mimi**, statutory member, state geologist, director, Division of Geology and Land Survey, Rolla;

**Hoskins, John**, statutory member, director, Department of Conservation, Jefferson City;

**Matherly, Nick**, (R), public member, Cabool, Sept. 28, 2007;

**Riffle, Colonel John USAF (retired)**, (D), public member, Pleasant Hill, Sept. 28, 2007;

**Coen, Larry P.**, staff director, Land Reclamation Commission, Jefferson City.

### **Solid Waste Management Program**

The department's Solid Waste Management Program works to help Missourians and Missouri businesses properly manage their solid waste to protect public health and the environment.

The department's Solid Waste Management Program issues permits and permit modifications for solid waste disposal and processing facilities. Staff reviews proposed permits for facility design, construction, operations and proper monitoring controls. Program staff inspects permitted facilities quarterly and oversees the operations of these facilities to ensure that they comply with permit conditions and do not have a negative impact on human health and the environment. In addition, staff investigates reports of illegal dumping across Missouri. Program staff teaches state regulations to landfill operators. Enforcement activities are conducted when necessary to ensure proper solid waste management. Other focuses of the program include planning, financial and technical assistance and educational activities that inform the public of the relationship between individual consumption and solid waste management.

The Solid Waste Management Program works with stakeholders, the general public and the regulated facilities to comply with state and federal solid waste regulations. The Solid Waste Advisory Board provides advice and input to the Solid Waste Management Program.

### **Solid Waste Advisory Board**

Passage of Missouri's Solid Waste Omnibus Law in 1990 created the Solid Waste Advisory Board. The Solid Waste Advisory Board advises the department about the effectiveness of the department's technical assistance and problems experienced by the solid waste management districts in developing and implementing solid waste management plans. The board advises the department on the effect proposed rules and regulations will have on the districts and the criteria used for awarding grants from the solid waste management fund. The board also develops improved methods of solid waste minimization, recycling and resource recovery.

The membership of this board consists of the chair of the executive board of each of Missouri's 20 recognized solid waste management districts, three public members, two representatives from the solid waste industry and one representative from the recycling or composting industry appointed by the director of the Missouri

Department of Natural Resources.

### **Solid Waste Management Program Advisory Board**

Debbie Roach, chair, Region A; Nelson Heil, chair, Region B; Pete Mayfield, chair, Region C; Greg Wall, chair, Region D; Stanley J. Salva, chair, Region E; Harland Mieser, chair, Region F; Jim Phillips, chair, Region G; Charles Lansford, chair, Region H; Jerry Goff, chair, Region I; Lance Hutton, chair, Region J; Scott Murrell, chair, Region K; Mike Duvall, chair, Region L; Ron Clow, chair, Region M; Larry VanGilder, chair, Region N; Tim Smith, chair, Region O; Gary L. Collins, chair, Region P; William Kennon, chair, Region Q; Albert J. Fults, chair, Region R; Jeanie Moore Herbst, chair, Region S; Robert O'Keefe, chair, Region T; Thomas P. Dunne, Jr., Fred Weber, Inc., solid waste industry representative; Kevin O'Brien, Waste Corporation of Missouri, solid waste industry representative; Rachel R. Burkemper, public member; Ken Reiss, Computer Recycling Center, recycling industry representative, Vacant, public member.

### **Water Protection Program**

The department's Water Protection Program regulates pollutants entering the state's waters by issuing permits for the construction and operation of wastewater discharges. Permits set wastewater treatment levels necessary to protect water quality. These treatment levels are contained as conditions in permits issued to municipal, industrial and other dischargers. The program evaluates discharge-monitoring data and permits to determine whether facilities comply with applicable laws and regulations. When a source violates the Missouri Clean Water Law, the program works with the facility to correct the problem and may assess penalties if necessary to obtain compliance with the requirement.

The program also develops water quality standards used when monitoring and assessing Missouri's waterways. Waters that are not meeting these standards are placed on the 303(d) List. The 303(d) List provides a snapshot in time and helps state and federal agencies keep track of those waters. Water quality standards protect beneficial uses of water such as swimming, maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. Once a water is added to the 303(d) List, the department develops and implements a study to correct the water impairments. Generally, this study takes the form of a Total Maximum Daily Load document. The document describes the maximum amount of a pollutant that may enter a water without violating water quality standards. It then allocates portions of this total load to the



KRISTEN M. PERRY  
Vice Chair/Agriculture Industry  
Representative, Clean Water  
Commission



WILLIAM A. EASLEY  
Public Member  
Clean Water Commission



RON HARDECKE  
Public Member  
Clean Water Commission



BEN A. "TODD" PARNELL  
Public Member  
Clean Water Commission



FRANK L. SHORNEY  
Public Member  
Clean Water Commission



EDWARD GALBRAITH  
Staff Director  
Clean Water Commission

various sources in the watershed. If an impairment is linked back to a facility with a water permit, the department may modify the permit to bring the impaired water back into compliance.

In addition, the department's Water Protection Program reviews plans and issues permits for the construction and operation of public drinking water systems. The program requires all public water systems to monitor for contaminants and take corrective action if any health-based standards are exceeded. Staff provides public water systems with all the required testing for chemical contaminants as well as assistance with data interpretation and management.

The program performs periodic inspections and provides compliance assistance on water supply problems to cities, water districts, subdivisions, mobile home parks and other facilities. The program also certifies and tracks the required continuing education of all operators of public drinking water systems, wastewater systems and concentrated animal feeding operation waste management systems.

The program regulates the construction of wells including domestic and multi-family water wells, irrigation wells, monitoring wells, heat pump wells and mineral exploration borings to

ensure that all new wells are constructed to appropriate standards. This helps to ensure our groundwater resources are protected from contamination due to poor well construction. The program also regulates the plugging of abandoned wells and licenses all Missouri well drillers and pump installers.

Financial assistance is provided through grants and low-interest loans to local governments to assist in the construction of wastewater, drinking water and storm water facilities to improve public health protection, regulatory compliance and customer affordability at public water systems. The program also provides financial and technical assistance for the control of nonpoint source pollution caused by agriculture, mining, transportation and other activities.

The Water Protection Program works with stakeholders, the general public and the regulated facilities to comply with state and federal water regulations. The program carries out the policies of the Clean Water Commission and the Safe Drinking Water Commission.

## Clean Water Commission

The Clean Water Commission brings together and coordinates all aspects of water pollution con-



**ELIZABETH GROVE**  
Chair, Public Water System  
Representative Safe Drinking  
Water Commission



**LANNY L. MENG**  
Vice Chair, Public Member  
Safe Drinking Water Commission



**SUSAN ELIZABETH HAZELWOOD**  
Public Member, Safe Drinking  
Water Commission



**CHARLI JO LEDGERWOOD**  
Public Member, Safe Drinking  
Water Commission



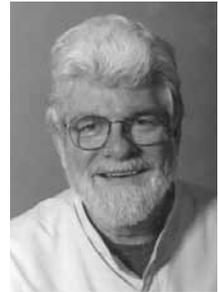
**ROBERT MITCHELL**  
Public Member, Safe Drinking  
Water Commission



**RANDY MOORE**  
Public Member, Safe Drinking  
Water Commission



**ORVILLE SCHAEFER**  
Public Member, Safe Drinking  
Water Commission



**JOHN THOMAS WITHERSPOON**  
Public Member, Safe Drinking  
Water Commission

trol in an effort to assure the state maintains progress toward protecting, preserving and improving water quality in Missouri. The commission enforces the federal Clean Water Law, adopts rules and policies, is responsible for permits for the construction and operation of wastewater treatment facilities or other point sources, and hears appeals based on those permit decisions. The commission is also responsible for the inspection and monitoring of water contaminant sources and investigates complaints from the public. When necessary, the commission will take enforcement action against those who violate the Missouri Clean Water Law and related regulations.

The commission also establishes funding priorities and oversees financial assistance to protect and preserve water quality. The commission administers grants to municipalities and political subdivisions for construction of wastewater treatment facilities.

All members represent the general interest of the public and shall have an interest in and knowledge of conservation and the effects and control of water contaminants. No more than two are knowledgeable concerning the needs of agriculture, industry or mining and protecting water quality. One member is knowledgeable concerning the needs of publicly owned wastewater treatment



**STEVEN W. STURGES**  
Staff Director, Safe Drinking  
Water Commission

works. Four members represent the general public. With Senate approval, the governor appoints the commission's seven members who each serve a four-year term until their successors are selected.

### Clean Water Commission

**Perry, Kristin M., (R)**, vice chair/agriculture industry representative, Bowling Green, April 12, 2008;

**Easley, William A., (R)**, public member, Cassville, April 12, 2010;



**ROBERT LAWRENCE**  
Chair/Well Installation Contractor Representative, Well Installation Board



**FRED SCHOEN**  
Vice Chair/Heat Pump Installation Contractor Representative, Well Installation Board



**HARRIET A. BEARD**  
Public Member  
Well Installation Board



**ROBERT BROZ**  
Public Member  
Well Installation Board



**DANIEL FLYNN**  
Well Installation Contractor Representative, Well Installation Board



**MIMI GARSTANG**  
Department Director Designee,  
Well Installation Board



**MARTHA HILDEBRANDT**  
Monitoring Well Installation Contractor Representative, Well Installation Board



**PATRICIA NICHOLS**  
Public Water User Representative, Well Installation Board

**Hardecke, Ron, (R)**, public member, Owensville, April 12, 2010;

**Parnell, Ben A. "Todd", (D)**, public member, Springfield, April 12, 2008;

**Shorney, Frank L., (D)**, public member, Lee's Summit, April 12, 2010;

**Tupper, Jan C., (R)**, Joplin, waste water treatment representative, April 12, 2011;

**Vacancy**, agriculture, industry or mining representative;

**Galbraith, Edward**, staff director, Clean Water Commission, Jefferson City.

## Safe Drinking Water Commission

The purpose of the Safe Drinking Water Commission is to ensure that all 2,700 Missouri public water systems provide safe drinking water. The commission adopts rules to carry out the requirements of the Missouri Safe Drinking Water Law and Federal Safe Drinking Water Act. The commission establishes criteria and procedures for administering the Drinking Water State Revolving Fund, which makes federal and state loan funds available to communities to upgrade and improve their drinking water systems.

All members of the commission represent the general interest of the public and public water



**ANNETTA ST. CLAIR**  
Private Well User Representative,  
Well Installation Board



**STEVEN W. STURGESS**  
Staff Director  
Well Installation Board

systems and demonstrate an interest in water quality. The commission includes nine members. Four members are associated with the operation of public water systems of various population sizes including one water system serving 75 or less, one water system serving greater than 75 but not more than 2,500, one water system serving greater than 2,500 and less than 100,000, and one water system serving a population of more than 100,000. Five members represent the general public. With Senate approval, the gover-

nor appoints the commission's nine members who each serve a four-year term.

### Safe Drinking Water Commission

- Grove, Elizabeth**, chair/public water system representative, Stoutsville, Sept. 1, 2008;  
**Meng, Lanny L.**, vice chair/public member, Oregon, Sept. 1, 2006;  
**Hazelwood, Susan Elizabeth**, public member, Columbia, Sept. 1, 2004;  
**Ledgerwood, Charli Jo**, public water system representative, Cassville, Sept. 1, 2006;  
**Mitchell, Robert**, public member, Archie, Sept. 1, 2008;  
**Moore, Randy**, public member, Kirkwood, Sept. 1, 2008;  
**Schaefer, Orville**, public member, Perryville, Sept. 1, 2006;  
**Witherspoon, John Thomas**, public water system representative, Springfield, Sept. 1, 2008;  
**Sturgess, Steven W.**, staff director, Safe Drinking Water Commission, Jefferson City.

### Well Installation Board

The Well Installation Board adopts and amends rules governing well construction and the well drilling industry to protect Missouri's groundwater resources. The board also oversees the examining and licensing of all well drillers and pump installers and takes actions against people who violate the Water Well Driller's Act and Well Construction Rules. The board acts as an appeal board by sustaining, reversing or modifying enforcement orders issued by the Division of Environmental Quality after an appeal has been made by an affected person.

All members of the board are residents of Missouri and are conversant in well drilling, completion and plugging methods and techniques. Board membership requires that one member hold a valid permit as a heat pump installation contractor, two members hold valid permits as well installation contractors, one member hold a valid permit as a monitoring well installation contractor, one member is a private well user, one member is a public water user and two members represent the general public. With approval by the Senate, the governor appoints eight members to the board who each serve a four-year term or until their successors are selected. The ninth member is the director of the Department of Natural Resources or a designee.

### Well Installation Board

- Lawrence, Robert**, chair, well installation contractor representative, Steele;  
**Schoen, Fred**, vice chair, heat pump installation contractor representative, Buffalo;  
**Beard, Harriet A.**, public member, Kirksville;  
**Broz, Robert**, public member, Columbia;  
**Flynn, Danny**, well installation contractor representative, Troy;  
**Garstang, Mimi**, department director designee, director, Division of Geology and Land Survey, Rolla;  
**Hildebrandt, Martha**, well installation contractor representative, Kansas City;  
**Nichols, Patricia**, public water user representative, St. Louis;  
**St. Clair, Annetta**, private well user representative, Joplin;  
**Sturgess, Steven W.**, staff director, Well Installation Board, Jefferson City.