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# Department of Natural Resources

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205 Jefferson St., PO Box 176

Jefferson City 65102-0176

Department wide toll free: (800) 361-4827

[www.dnr.state.mo.us](http://www.dnr.state.mo.us)

The Department of Natural Resources preserves, protects and enhances Missouri's natural, cultural and energy resources and works to inspire their enjoyment and responsible use for present and future generations. Our staff work 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, and our responsibility to support our state's economy. 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 Water Protection and Soil Conservation Division; the Air and Land Protection Division; the Division of State Parks; the Outreach and Assistance Center; the Geological Survey and Resource Assessment Division; and the Division of Administrative Support. In addition, the State Environmental Improvement and Energy Resources Authority, the Petroleum Storage Tank Insurance Fund and the Missouri Lewis and Clark Bicentennial Commission 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 policies and outcomes and works to ensure that the decisions that are made result in environmental improvements.

The Office of the Director seeks to improve efficiency of departmental actions, drive customer-focused initiatives, ensure public participation in decision-making, and attain results affecting the quality of our water, air, land, energy, recreational and cultural resources. It seeks to continue the protection and enhancement of



STEPHEN MAHFOOD  
Director



JEFF STAAAK  
Deputy Director

our natural and cultural resources through collaborative, participatory approaches.

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

## Missouri Lewis and Clark Bicentennial Commission

The Missouri Lewis and Clark Bicentennial Commission was created to coordinate activities to commemorate the 200th anniversary of the Lewis and Clark Expedition in 2004. The commission is developing and coordinating effective means to promote public awareness of the historical significance of the expedition related to Missouri. In addition, the bicentennial commission is a catalyst for accomplishing Missouri's Lewis and Clark bicentennial capital improvement projects, programs and special events. The bicentennial projects and events are comprised of public, private and foundation projects.

The executive director of the commission also serves as liaison between the other 14 states participating in the Lewis and Clark bicentennial. The commission serves as a statewide



RON KUCERA  
Deputy Director



SARA PARKER  
Deputy Director, Director  
Outreach and Assistance Center



MARTHA BUSCHJOST  
Executive Assistant to  
the Director



LLONA C. WEISS  
Deputy Director  
Outreach and Assistance Center

umbrella for bringing together Missouri's communities, the National Park Service and other federal agencies as well as private groups planning projects and events. The commission reports to the governor in October of each year.

The commission was authorized by Executive Order 98-06, which was signed by late Governor Mel Carnahan in 1998. A new executive order signed by Governor Bob Holden in 2003 added three additional agencies to the commission. The commission has 21 members, including two co-chairs, agency representatives, members at large and an executive director. The bipartisan members serve a single term that expires at conclusion of commemoration activities in fall 2006.

### Co-chairs:

**Archibald, Robert, Ph.D.**, St. Louis;  
**Kemper, Jonathan**, Kansas City.

### Missouri's Lewis and Clark Bicentennial Commission Members

**Bennett, Marci**, St. Joseph;  
**Berier-Liese, Sheila**, Ballwin;  
**Brooks, Rep. Sharon Sanders**, Kansas City;  
**Drakesmith, Frederick**, St. Charles;  
**Jacobs, Frank**, St. Louis;  
**Lappe, Debra**, Portage Des Sioux;  
**Lee, Dr. Gerald**, Kansas City;  
**Rogers, Ann, Ph.D.**, St. Louis;  
**Thorp, Cheryl**, Platte City;  
**Woods, Barbara, Ph.D.**, St. Louis;  
**Blunt, Matt**, Missouri Secretary of State;  
**Driskill, Joseph**, Missouri Department of Economic Development;  
**Goodrich, James, Ph.D.**, State Historical Society of Missouri;  
**Hoskins, John D.**, Missouri Department of Conservation;  
**Hungerbeeler, Henry**, Missouri Department of Transportation;  
**Jackson, Charles**, Missouri Department of Public Safety;



MICHAEL WARRICK  
Legal Counsel



CONNIE PATTERSON  
Director of Communications



WALTER PEARSON  
Director  
Business and Urban Affairs

**King, D. Kent**, Missouri Department of Elementary and Secondary Education;  
**Mahfood, Stephen**, Missouri Department of Natural Resources;  
**Eiken, Douglas**, executive director.

### Outreach and Assistance Center

Telephone: 1-800-361-4827 / FAX: (573) 751-8084

The department's Outreach and Assistance Center works to create an environment of understanding by providing information, facilitating communication, and developing and maintain-

ing partnerships to foster resource sustainability. The center provides direct departmental information and technical and financial assistance to citizens, businesses, schools and local governments. The liaison for appointments to the department's boards and commissions also serves in this office. Offices in the Outreach and Assistance Center include the **Community Assistance Office, Communications and Education Office, Missouri Energy Center, State Historic Preservation Office, the Kansas City and St. Louis Urban Outreach Offices,** and the **Financial and Administrative Services Office.**

### Community Assistance Office

The Community Assistance Office provides a single point of contact to put Missourians in touch with information, education, and financial and technical assistance throughout the department. It provides service to businesses, industry, communities and citizens statewide. The office also helps connect the public with financial resources in other state and local agencies that deal with natural resource issues, making this office a 'portal' through which communities can access not only the department's financial assistance and information, but connections with other agencies' resources, too. The funding opportunities presented to the public address air, water, land, energy and several other quality-of-life issues that affect economic development in Missouri, helping communities and businesses utilize their resources in other areas.

### Communications and Education Office

The Communications and Education Office provides public information support for the department by working with the news media and by producing a variety of publications, including the department's award-winning magazine *Missouri Resources*. This office provides support for department special events and development of a Web site that receives more than 1 million visits per month. The Communications and Education Office also provides professional development courses and workshop opportunities to Missouri educators on environmental issues statewide.

### Environmental Assistance Office

The Environmental Assistance Office provides information and assistance to business owners, local governments, educational institutions and the general public on how to control or reduce pollution. Assistance is provided through telephone conversations, written communications, workshops, personal meetings and non-regulatory evaluations and assessments of facilities. The office also coordinates training and certification of operators of drinking water,

wastewater and concentrated animal feeding operation treatment facilities. The program supports the Small Business Compliance Advisory Committee, which evaluates the effects of environmental requirements on small business.

### Small Business Compliance Advisory Committee

**Morrison, Bruce A.**, chair, St. Louis;  
**Weible, Douglas**, vice chair, Ironton;  
**Bunch, Dan**, member, Kansas City;  
**Longsinger, Jack**, member, Excelsior Springs;  
**Pearson, Walter**, Missouri Department of Natural Resources, Jefferson City;  
**Pufalt, Caroline**, member, St. Louis.

### Missouri Energy Center

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

Center employees provide technical and financial assistance for energy-efficiency and renewable-energy improvements; support market development and demonstration projects promoting clean energy sources and technologies; and provide energy data, information and research on energy issues to all Missourians.

Missouri Energy Center 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 time frame. Staff members consult with the Office of Administration and other agencies to integrate energy efficiency into state buildings and purchases.

The center trains other state agencies to use alternative fuel vehicles in compliance with state regulations, 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. Center employees also manage the mid-Missouri rideshare program and connect Missouri commuters to the carpooling program nearest them.

The Missouri Energy Center 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, cleaning and tuning heating systems, and reducing air infiltration. The Energy Center's low-cost 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.

### Missouri Energy Policy Council

The Missouri Department of Natural Resources also chairs the Governor's Energy Policy Council, which was established by executive order. The council considers and makes recommendations on several issues, including: major aspects of energy policy, energy supplies and energy prices; consumer protections, including consumer education, universal access, low-income assistance funding and the impact of regulatory changes; new energy technologies and trends; opportunities to increase energy efficiency, and; opportunities to increase the use of diverse and clean energy supplies to improve the economic vitality and environmental quality of Missouri residences, businesses, farms and transportation.

The Missouri Department of Natural Resources chairs the council, which includes representatives from several state agencies, the General Assembly, the general public, utilities, business and industry, the buildings sector, labor, energy efficiency organizations, renewable energy organizations/ businesses and environmental organizations.

### Missouri Energy Policy Council

**Baumhoer, Patrick**, Jefferson City;  
**Berkebile, Bob**, Kansas City;  
**Chollet, Deborah**, St. Louis;  
**Housh, Robert**, Kansas City;  
**Lindsey, Paul**, Lebanon;  
**Moten, John**, Maryland Heights;  
**Baxter, Warner**, St. Louis;  
**Bush, Dr. Robert**, Maryville;  
**Guinther, William**, Chesterfield;  
**Klein, Carla**, Columiba;  
**Marshall, Gary**, Jefferson City;  
**Smith-Newman, Melanie**, Springfield;  
**Strunk, Russell**, Springfield;  
**Simmons, Kelvin**, Jefferson City;  
**Mahfood, Stephen**, Jefferson City;  
**Vuyksteke, Diane**, Eureka;  
**Jackson, Robert**, Kansas City;  
**Driskill, Joseph**, Jefferson City;  
**Coffman, John**, Jefferson City;  
**Mays, Carol Jean**, Independence;  
**Hutchinson, Jacqueline**, University City.

### State Historic Preservation Office

Missouri's official historic preservation program is administered by the Missouri State Historic Preservation Office (SHPO). As the authorized SHPO, the office 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 office 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 1,400 listings on the National Register, including more than 19,000 individual properties. 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 office reviews all federally funded or licensed projects in Missouri to ensure compliance with related federal legislation. The office also administers federal Historic Preservation Fund matching grants for identifying and preserving cultural resources. Through Missouri's Certified Local Government program, the SHPO 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 on income-producing property or for the rehabilitation of non-income-producing residential properties. The SHPO reviews both federal and state tax credit applications for historic eligibility and conformity with preservation guidelines and standards.

The SHPO also works with the Missouri Department of Economic Development under the Missouri Main Street program to foster preservation-based economic development in Missouri's small towns. The office also administers Missouri's Historic Preservation Revolving Fund, a state fund that allows the department to help preserve endangered historic buildings.

The **Missouri Advisory Council on Historic Preservation** 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.



CHARLES BANKS  
Chair, EIERA



DERON CHERRY  
Secretary/Treasurer, EIERA



WILLIAM H. WORLEY  
Kansas City, EIERA



JERRY GOVERO  
Festus, EIERA

## Missouri Advisory Council on Historic Preservation

**Baumann, Timothy, Ph.D.**, chair, St. Louis;  
**Conley, Timothy**, vice chair, Louisiana;  
**Wallace, William Kurt**, secretary, Columbia;  
**Allen, Greg**, Kansas City;  
**Cook, Jeannine**, St. Louis;  
**Foley, William, Ph.D.**, Warrensburg;  
**Hensley, Bruce**, Milan;  
**Holland, Antonio, Ph.D.**, Columbia;  
**Trivers, Andrew J.**, St. Louis;  
**Wiegiers, Robert, Ph.D.**, Fayette.

The **Unmarked Human Burial Consultation 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 Native American groups, makes final decisions as to the respectful treatment and appropriate reburial of all recovered unmarked human remains.

## Unmarked Human Burial Consultation Committee

**Parker, Sara**, chair, Hartsburg;  
**Brown, Eddie F., Ph.D.**, St. Louis;  
**Conner, Michael, Ph.D.**, Springfield;  
**Glick, Jerome**, Clayton;  
**Green, Debra Foster**, Jefferson City;  
**Fritz, Gayle, Ph.D.**, St. Louis.

## Urban Outreach Offices

The **Kansas City and St. Louis Urban Outreach Offices** serve the Kansas City and St. Louis metropolitan areas, providing a user-friendly, multi-media front door to the agency for urban constituents, to address the unique and often complicated resource and environmental challenges faced by Missouri's urbanized and urbanizing areas. Urban Outreach staff members represent Outreach and Assistance



THOMAS WELCH  
Director, EIERA



DARWIN HINDMAN  
Columbia, EIERA

Center offices including the Missouri Energy Center, the State Historic Preservation Office and the Environmental Assistance Office, as well as coordinating urban outreach work for other divisions and programs of the department. The Urban Outreach Offices work with numerous sectors in their communities, including local government and its elected officials, state officials, business, non-profit organizations, local cultural institutions, community groups, and individuals who may need assistance. The mission of these offices is to connect the people of Kansas City and St. Louis with information and resources to help them protect the environment, improve communities, understand and comply with or exceed regulations, and redevelop properties to enhance economic development.

## Environmental Improvement and Energy Resources Authority

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

The Environmental Improvement and Energy Resources Authority was established in 1972 by the Missouri General Assembly to protect Missouri's environment, develop energy alternatives, promote economic development and conduct research.

Service is provided by financing projects with tax-exempt bonds and notes, conducting envi-





**BOB ABERNATHY**  
Chair, Petroleum Storage Tank  
Insurance Fund



**JUDITH BAKER**  
Vice Chair, Petroleum Storage  
Tank Insurance Fund



**WILLIAM (Bart) CREECH III**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**JAMES P. FORD**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**ROBERT JACKSON**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**RON HOOKER**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**STEPHEN MAHFOOD**  
Trustee, Petroleum Storage Tank  
Insurance Fund



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



**JOYCE MURPHY**  
Trustee, Petroleum Storage Tank  
Insurance Fund



**GARY O'NEAL**  
Trustee, Petroleum Storage Tank  
Insurance Fund



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



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

ronmental studies and providing technical and financial assistance and market development. The EIERA'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

**Banks, Charles D.**, (D), chair, Pevely, Jan. 2003;  
**Cherry, Deron**, (R), secretary/treasurer, Kansas City, Jan. 2004;

**Govero, Jerry**, (R), member, Festus, Jan. 2005;  
**Hindman, Darwin**, (D), member, Columbia, Jan. 2006;  
**Worley, William H.**, (D), member, Kansas City, Jan. 2005;  
**Welch, Thomas**, director, Jefferson City.

### Petroleum Storage Tank Insurance Fund Board of Trustees

The Petroleum Storage Tank Insurance Fund (PSTIF) 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 contaminated the environment, restoring those properties to economic viability.

The 11-member board includes the commissioner of administration, the directors of the departments of Agriculture and Natural Resources and eight citizens appointed by the governor with the advice and consent of the Senate for four-year terms. 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

**Abernathy, Bob**, chair, Clinton, Feb. 6, 2005;  
**Baker, Judith**, vice chair, Columbia, Feb. 6, 2003;  
**Creech, William (Bart) III**, Troy, Feb. 6, 2004;  
**Ford, James P.**, Columbia, Feb. 6, 2004;  
**Hooker, Ron**, Jefferson City, Department of Agriculture;  
**Jackson, Robert (Bob)**, Kansas City, Feb. 6, 2006;  
**Kolb, Thomas**, Jefferson City, Feb. 6, 2007;  
**Mahfood, Stephen**, Department of Natural Resources;  
**McNutt, Donald**, Sunset Hills, Feb. 6, 2005;  
**Murphy, Joyce**, Jefferson City, Office of Administration;  
**O'Neal, Gary**, Chesterfield, Feb. 6, 2006;  
**Eighmey, Carol R.**, executive director.

### Air and Land Protection Division

Telephone (573) 751-6892 / FAX: (573) 751-9277

Protecting and enhancing the quality of Missouri's environment is the responsibility of the department's environmental divisions. The Air and Land Protection 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 through the traditional roles of permitting and inspections, and through proactive efforts to revitalize contaminated sites for redevelopment, assisting local entities with meth lab cleanups, environmental emergency response and more.

The division administers five technical programs: air pollution control, environmental services, land reclamation, solid waste management and hazardous waste management. The division has three policy-making commissions: the Air Conservation Commission, the Hazardous Waste Management Commission and the Land



JAMES WERNER  
 Director, Air and Land  
 Protection Division

Reclamation Commission and one advisory board, the Solid Waste Advisory Board.

### Air Pollution Control Program

The department's Air Pollution Control Program carries out the policies established by the Air Conservation Commission.

The commission, through a program involving four delegated local governments and citizen input, develops strategies for bringing pollutants down to safe levels in those areas with excessive pollutants.

To maintain clean air in Missouri, the Air Pollution Control Program 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. The commission can grant variances, however, to individual operations when a strict application of the regulations would cause an unreasonable hardship without public benefit.

The Air Pollution Control Program also evaluates industries wanting to locate in Missouri, predicting their emissions and their impact on the state's air quality and requiring restrictions on emissions where necessary.

### Air Conservation Commission

**Kayes, Barry**, (D), chair, St. Louis, Oct. 13, 2005;  
**Collins, Joanne**, (R), vice chair, Kansas City, Oct. 13, 2004;  
**Beard, Harriett**, (R), Kirksville, Oct. 13, 2002;  
**Baker, Jack**, (D), Butler, Oct. 13, 2005;  
**Beller, Frank**, (D), Linn, Oct. 13, 2001;  
**Brown, Ernie**, (D), Bridgeton, Oct. 13, 2004;  
**Foresman, Michael**, (R), St. Louis, Oct. 13, 2003;  
**Tippett, Leanne**, staff director.

### Environmental Services Program

The Environmental Services Program provides a 24-hour emergency hotline and monitoring, sample collection and analytical services to the department's environmental control pro-



**BARRY KAYES**  
Chair  
Air Conservation Commission



**JOANNE COLLINS**  
Vice Chair  
Air Conservation Commission



**HARRIETT BEARD**  
Member  
Air Conservation Commission



**JACK BAKER**  
Member  
Air Conservation Commission



**FRANK BELLER**  
Member  
Air Conservation Commission



**ERNIE BROWN**  
Member  
Air Conservation Commission



**MICHAEL FORESMAN**  
Member  
Air Conservation Commission



**LEANNE TIPPETT**  
Staff Director  
Air Conservation Commission

grams. In addition, the program receives notifications of environmental emergencies, provides technical assistance for incidents involving hazardous chemicals, investigates contaminated sites, conducts air quality monitoring and assists local agencies with monitoring.

Calls about environmental emergencies, including oil and chemical spills, are reported to the program on an environmental emergency telephone hotline 24 hours a day, seven days a week at (573) 634-2436. Callers can receive advice and assistance. Technicians can be dispatched to oversee cleanup, sampling or other emergency activities.

The program operates air monitoring instruments at 30 locations throughout the state, performs air quality studies and uploads air quality data to the Internet for public access. Water samples are collected from streams, wastewater treatment plants and industrial facilities that discharge into Missouri waterways. Various tests are performed to determine how the discharges affect Missouri streams. Samples are collected at both abandoned hazardous waste sites and at facilities that are actively engaged in treating, storing or disposing of hazardous wastes. More than 125,000 total analyses are performed each year in the analytical laboratory on air, water and soil samples.

This includes 100,000 analyses on drinking water from public water supplies across the state.

The program assists with safe-handling management and disposal of hazardous chemicals from clandestine drug labs. Twenty specially designed collection stations are located across the state to provide law enforcement a safe and secure location to temporarily store seized drug lab chemicals. The program provides clandestine drug laboratory investigation training and health and safety re-certification in cooperation with the Missouri State Highway Patrol.

The program manages the Chemical Accident Prevention Risk Management Program, providing technical advice to help entities comply with federal law. Regulated facilities are encouraged to adopt effective chemical accident prevention programs and to work with Local Emergency Planning Committees to prepare for potential accidental releases.

### **Hazardous Waste Program**

The department's Hazardous Waste Program carries out the policies of the Hazardous Waste Management Commission. The commission establishes regulations for the generation, transportation, treatment, storage, clean up and disposal of





**BEN KESSLER**  
Chair/Public Member  
Hazardous Waste Management  
Commission



**PATRICK GLEASON**  
Vice Chair, Hazardous Waste  
Management Commission



**NORELLA V. HUGGINS**  
Public Member, Hazardous  
Waste Management Commission



**ROBERT SAUNDERS**  
Public Member, Hazardous  
Waste Management Commission



**TIMOTHY J. WARREN**  
Public Member, Hazardous  
Waste Management Commission



**SUSAN WILLIAMSON**  
Agriculture Member, Hazardous  
Waste Management Commission



**EDWARD GALBRAITH**  
Staff Director, Hazardous Waste  
Management Commission

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.

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 state's remedial fund for cleanup of problem sites resulting from poor waste management.

The Hazardous Waste Program reviews applications for permits for facilities that treat, store and dispose of hazardous waste to ensure these facilities conform to environmental laws and regulations. The program also licenses hazardous waste transporters that meet state requirements.

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 provides oversight for 98 hazardous waste treatment, storage and disposal facilities in Missouri. Currently, 24 are actively handling hazardous waste. The program maintains a database for more than 13,000 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 also maintains the same information for more than 11,000 sites outside Missouri that have registered to bring their hazardous waste into Missouri for treatment, storage or disposal.

The program oversees cleanup activities at 45 active or formerly used federal facilities in Missouri. These facilities are either U.S. Department of Energy or U.S. Department of Defense sites requiring remediation of hazardous or radioactive wastes that were disposed of prior to the current laws and regulations. The program also has several field offices, which allow on-site presence during federal facility cleanups.

The program evaluates and remediates federal National Priorities List (NPL) sites, non-NPL sites and sites on or proposed for the Registry of Abandoned or Uncontrolled Sites in Missouri. The program has primary responsibility for 105 of the 154



TED SMITH  
Chair  
Land Reclamation Commission



JAMES M. DiPARDO  
Vice Chair  
Land Reclamation Commission



JOHN HOSKINS  
Member  
Land Reclamation Commission



MIMI GARSTANG  
Member  
Land Reclamation Commission



JIM HULL  
Member  
Land Reclamation Commission



HUGH C. JENKINS  
Member  
Land Reclamation Commission



CAROL M. WICKS  
Member  
Land Reclamation Commission



LARRY P. COEN  
Staff Director  
Land Reclamation Commission

active hazardous waste substances sites in Missouri including six of 25 National Priority 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 letter of completed remediation, which will facilitate the transfer of real estate. Out of 395 voluntary cleanup applications, 156 sites are completed with 138 sites currently active.

The department's Hazardous Waste Program has oversight of underground storage tanks and leaking underground storage tanks. 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.

## Hazardous Waste Management Commission

**Kessler, Ben**, (R), chair/public member, Creve Coeur, April 3, 2005;

**Gleason, Patrick**, (R), vice chair/hazardous waste generator industry member, Webster Groves, April 3, 2005;

**Brown, Rusty A.**, (D), waste management industry, Independence, April 3, 2004;

**Huggins, Norella V.**, (D), public member, Kirkwood, July 31, 2006;

**Saunders, Robert J.**, (D), public member, Liberty, April 27, 2005;

**Warren, Tim**, (R), public member, Wildwood, April 3, 2003;

**Williamson, Susan**, (D), agriculture industry member, Columbia, April 3, 2004;

**Galbraith, Edward**, staff director, hazardous waste management commission.

## 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 program is empowered by law to put into effect the regulations and statues that regulate the state's mining industry.

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, which use 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 is responsible for the issuance of strip mining permits related to the mining of industrial and metallic minerals including coal, limestone, sand, gravel, clay, tar sands, barite, sandstone, granite and traprock. 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.

### Land Reclamation Commission

The Land Reclamation Commission is the ruling body over Missouri's mining requirements set forth in three separate state statutes. These mining statutes protect public health, safety and the environment from the adverse effect of mining and assure the beneficial restoration of mined lands. The seven-member commission includes three statutory and four public members. The statutory members are the state geologist, the director of the Missouri Department of Conservation and the staff director of the Clean Water Commission. With Senate approval, the governor appoints four public members. Only one member of the commission may have a direct link with the mining industry.

### Land Reclamation Commission

**Smith, Ted A.,** (R), chair, Springfield, Sept. 28, 2003;

**DiPardo, James M.,** (D), vice chair, St. James, Sept. 28, 2001;

**Hoskins, John,** Jefferson City, director, Missouri Department of Conservation;

**Garstang, Mimi,** state geologist, Rolla;

**Hull, Jim,** staff director, Clean Water Commission, Jefferson City;

**Jenkins, Hugh C.,** (D), member, Butler, Sept. 28, 2001;

**Wicks, Carol M.,** (R), member, Columbia, Sept. 28, 2003;

**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 these permit conditions and do not have a negative impact on human health and the environment. In addition, staff investigates reports of illegal dumping across the state. Enforcement activities are conducted when necessary to ensure proper solid waste management. Program staff teaches state regulations to landfill operators. 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.

Passage of Missouri's Solid Waste Omnibus Law in 1990 created the Solid Waste Advisory Board. The membership of this board today consists of the chair of the executive board of each of Missouri's 20 recognized solid waste management districts, three citizen members and two representatives from the solid waste industry appointed by the director of the Missouri Department of Natural Resources.

The Solid Waste Advisory Board advises the department about the effectiveness of the department's technical assistance programs; problems experienced by the solid waste management districts in developing and implementing solid waste management plans; the effect of proposed rules and regulations upon districts; criteria for awarding grants from the solid waste management fund; solid waste management issues pertinent to the districts; the development of solid waste disposal alternatives and other related issues.

### Solid Waste Advisory Board

Debbie Roach, chair, Region A; Nelson Heil, chair, Region B; Pete Mayfield, chair, Region C; Greg Wall, chair, Region D; Scott Cahail, chair, Region E; Harland Meiser, chair, Region F; William Richmond, chair, Region G; Ray Beck, chair, Region H; Gary Hoette, chair, Region I; Lance Hutton, chair, Region J; Scott Murrell, chair, Region K; Jerry Brown, chair, Region L; Bill Wilson, chair, Region M; Larry VanGilder, chair, Region N; Tim Smith, chair, Region O; Gary L. Collins, chair, Region P; Mildred Coursey, chair,

Region Q; C. Timothy Morgan, chair, Region R; Michael Dumey, chair, Region S; Robert O'Keefe, chair, Region T. Members appointed by the Department Director: Charles Davidson, Conservation Federation; Linda Glaus, Sonny's Solid Waste Service and Dan Glenzy, Waste Management, Inc.

## Water Protection and Soil Conservation Division

Telephone (573) 751-5998 / FAX: (573) 526-1146

Protecting and enhancing the quality of Missouri's water resources is the responsibility of the Water Protection and Soil Conservation Division. The division oversees and integrates technical environmental programs for public drinking water protection, soil and water conservation and water pollution control. The department's regional offices also report to this division.

The Clean Water, Safe Drinking Water and the Soil and Water Conservation Districts' commissions are the three policymaking bodies assigned to this division. The division works closely with the Department of Health and Senior Services, the Department of Conservation, the Department of Agriculture, the Department of Economic Development, the University of Missouri, the U.S. Department of Agriculture, the U. S. Environmental Protection Agency and numerous local partners in protecting the state's water quality.

The five regional offices and seven 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, tank monitoring, front-line troubleshooting and technical assistance, as well as local environmental emergency response. Regional offices support the air pollution control, water pollution control, environmental emergency response, public drinking water, solid waste management, hazardous waste, and soils and water conservation efforts. Satellite offices are generally located in state park facilities near Branson, Festus, LaGrange, Osage Beach, Sullivan and Troy; the satellite office in Neosho is located in a U.S. Department of Agriculture facility.

### Public Drinking Water Program

Supervising the design, construction, operation and maintenance of public water supply systems is the responsibility of the department's Public Drinking Water Program. Technical assistance on water-supply problems related to cities, water districts, subdivisions, mobile home parks and other facilities is provided. The program also offers training for public water supply operators.



SCOTT TOTTEN  
Director, Water Protection and  
Soil Conservation Division

The department's Public Drinking Water Program requires monitoring of contaminants in public water systems and provides assistance in data interpretation and data management.

Financial assistance is provided through grants and low-interest loans to improve public health protection, regulatory compliance and customer affordability at public water systems.

### Safe Drinking Water Commission

The Safe Drinking Water 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.

The Safe Drinking Water Commission is a nine-member commission appointed by the governor with the advice and consent of the Senate. Five members represent the public and four members represent public water systems. The commission helps the department's Public Drinking Water Program to ensure that Missouri's public water systems are providing safe drinking water. The commission adopts rules to carry out the Missouri Safe Drinking Water Law and Federal Safe Drinking Water Act.

### Safe Drinking Water Commission

**Witherspoon, John Thomas**, chair, Springfield, Sept. 1, 2004;

**Darby, William P.**, vice chair, St. Louis, Sept. 1, 2004;

**Douglas, H. Dwight**, Neosho, Sept. 1, 2004;

**Folk, Roger M.**, Ballwin, Sept. 1, 2004;

**Grove, Elizabeth**, Stoutsville, Sept. 1, 2004;

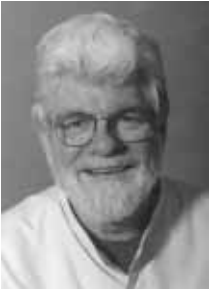
**Hazelwood, Susan Elizabeth**, Columbia, Sept. 1, 2004;

**Ledgerwood, Charli Jo**, Cassville, Sept. 1, 2004;

**Meng, Lanny L.**, Oregon, Sept. 1, 2006;

**Schaefer, Orville L.**, Perryville, Sept. 1, 2006;

**Lane, Jerry**, staff director, Safe Drinking Water Commission.



JOHN THOMAS WITHERSPOON  
Chair, Safe Drinking  
Water Commission



WILLIAM P. DARBY  
Vice Chair, Safe Drinking  
Water Commission



H. DWIGHT DOUGLAS  
Member, Safe Drinking  
Water Commission



ROGER M. FOLK  
Member, Safe Drinking  
Water Commission



ELIZABETH GROVE  
Member, Safe Drinking  
Water Commission



SUSAN ELIZABETH HAZELWOOD  
Member, Safe Drinking  
Water Commission



LANNY L. MENG  
Member, Safe Drinking Water  
Commission



CHARLI JO LEDGERWOOD  
Member, Safe Drinking  
Water Commission

## Soil and Water Conservation Program

The mission of the department's Soil and Water Conservation Program is to administer 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, accelerating 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

The Soil and Water Districts Commission determines the policies and programs to conserve Missouri's soil and water resources. The



JERRY LANE  
Staff Director, Safe Drinking  
Water Commission

commission is responsible for the soils portion of the parks-and-soils sales tax. The soil and water conservation districts promote farming practices that reduce soil erosion and sedimentation of water in Missouri.

Ten commission members, six of whom are farmers appointed by the governor, serve on the Soil and Water Districts Commission. The directors of the departments of Natural Resources, Agriculture and Conservation and the dean of the University of Missouri-Columbia's College of Agriculture are *ex officio* members.





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



**LARRY D. FURBECK**  
Vice Chair, Soil and Water  
Districts Commission



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



**LELAND BURCH**  
Member, Soil and  
Water Districts Commission



**KIRBY VanAUSDALL**  
Member, Soil and Water  
Districts Commission



**PHILIP LUEBBERING**  
Member, Soil and Water Dis-  
tricts Commission



**STEPHEN MAHFOOD**  
*Ex Officio* Member, Soil and  
Water Districts Commission



**PETER HOFHERR**  
*Ex Officio* Member, Soil and  
Water Districts Commission



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



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



**SARAH E. FAST**  
Staff Director, Soil and  
Water Districts Commission

## Soil and Water Districts Commission

**Brown, Elizabeth, (D)**, chair, Fayette, Aug. 15, 2002;

**Furbeck, Larry D., (R)**, vice chair, Dearborn, Aug. 15, 2001;

**Aylward, John D.**, Memphis, Aug. 15, 2003;

**Burch, Leland, (D)**, Butler, May 2, 2002;

**Hofherr, Peter**, director, Department of Agriculture, *ex officio* member, Jefferson City;

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

**Luebbering, Philip, (D)**, St. Thomas, Aug. 22, 2004;

**Mahfood, Stephen**, director, Department of Natural Resources, *ex officio* member, Jefferson City;

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

**VanAusdall, Kirby, (D)**, Caruthersville, Aug. 15, 2000;

**Fast, Sarah E.**, staff director, Soil and Water Districts Commission.

## Water Pollution Control Program

The department's Water Pollution Control Program regulates pollutants entering the state's



THOMAS HERRMANN  
Chair  
Clean Water Commission



DAVIS D. MINTON  
Vice Chair  
Clean Water Commission



WILLIAM A. EASLEY  
Member  
Clean Water Commission



JANICE S. GREENE  
Member  
Clean Water Commission



PAUL E. HAUSER  
Member  
Clean Water Commission



COSETTE D. KELLY  
Member  
Clean Water Commission



KRISTEN M. PERRY  
Member  
Clean Water Commission



JIM HULL  
Staff Director  
Clean Water Commission

waters by issuing operating permits for the construction and operation of wastewater discharges. In addition, the program monitors statewide water quality conditions through stream and lake sampling and other means.

The basic functions of the program are planning, permit issuance, compliance monitoring, financial and technical assistance and enforcement.

Planning activities establish water quality standards, identify water-pollution problems, develop solutions and help implement those solutions.

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, and performs inspections and investigations to determine whether facilities are in compliance with applicable laws and regulations.

In addition to municipal, industrial and other point-source discharges, the department's Water Pollution Control Program provides financial and technical assistance for the control of non-

point pollution caused by agriculture, mining, transportation and other activities.

The department's Water Pollution Control Program provides loans and grants to local governments to assist in the construction of wastewater, drinking water and stormwater facilities. The department's water pollution control and public drinking water programs perform engineering reviews and inspections to ensure adequate design and construction of facilities.

## Clean Water Commission

Seven members serve on the Clean Water Commission, with two members being knowledgeable about the needs of agriculture, industry or mining. The seventh member shall be knowledgeable concerning the needs of publicly owned wastewater treatment works. The commission adopts rules and policies, hears appeals and establishes funding priorities, which are carried out by the department's Water Pollution Control Program.

## Clean Water Commission

**Herrmann, Thomas**, (D), chair, public, St. Louis, April 12, 2004;

**Minton, Davis D.**, (D), vice chair, agriculture, Dexter, April 12, 2004;

**Easley, William A., (R)**, public, Cassville, April 12, 2006;

**Greene, Janice S. Ph.D., (R)**, public, Springfield, April 12, 2005;

**Hauser, Paul E., (I)**, wastewater treatment works, Des Peres, Feb. 21, 2007;

**Kelly, Cosette D., (D)**, public, Kansas City, April 12, 2002;

**Perry, Kristin M., (R)**, agriculture, Bowling Green, April 12, 2004;

**Hull, Jim**, staff director, Jefferson City.

## Geological Survey and Resource Assessment Division

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

The Geological Survey and Resource Assessment Division is responsible for Missouri's land, water and mineral resources and their protection, potential use and development. The division restores land survey monuments, provides survey data, protects groundwater supplies, defines hazardous areas such as those subject to earthquake or catastrophic collapse and protects the public by assuring the construction of safe dams.

The results of studies conducted by the division are available to the public through published reports, maps and other documents. Professional staff members conduct seminars, workshops and field trips. They also are available to assist in solving a wide variety of geological, water resource, dam safety and land surveying problems.

The division administers a cooperative program with the U.S. Geological Survey to obtain certain types of water resource information and make it available to the public. It also coordinates with the U.S. Geological Survey on the National Cooperative Geologic Mapping Program, a national effort to complete geologic maps for all states at a 1:24,000 scale.

A number of activities relating to oil and gas, geological studies of waste sites, spill responses, land survey work and enforcement of well drilling law, are funded through agreements with other agencies or supported by fees. A geographic information system, operated within the division, provides information on water resources, geology, well locations, mineral resources and geologic hazards.

### 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



MIMI GARSTANG  
Director, Geological Survey and  
Resource Assessment Division

Missouri Boundary Commission and the Geologic Registration Board.

### Geological Survey Program

The Geological Survey Program assists the citizens of Missouri by using geologic data to manage land and water resources in an environmentally responsible manner. The demand for geologic maps in the assessment of public-oriented projects such as waste disposal, geologic hazards and groundwater resources is increasingly important in answering the concerns of the public. Accurate, reliable maps showing surficial material and bedrock distribution, composition and thickness are a vital part of resource management and environmental protection. Such work is essential in identifying geologic hazards. The state also has a diversified mineral industry. It is important that citizens of Missouri have knowledge of their mineral resources to make responsible decisions.

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

Staff in this program work to protect Missouri's valuable supply of fresh groundwater from pollution so that all Missourians can utilize and enjoy the resources. This is done through the implementation of the Well Drillers and Oil and Gas Acts, and the Underground Injection Control Regulations of the Safe Drinking Water Act. Working with industry and the public, construction standards are set. This program also is responsible for issuing permits to pump installers and the drillers of water, monitoring, mineral exploration and heat pump wells.



**ROBERT LAWRENCE**  
Chair  
Well Installation Board



**FRED SCHOEN**  
Vice Chair  
Well Installation Board



**MIMI GARSTANG**  
Member  
Well Installation Board



**STANLEY COWAN**  
Member  
Well Installation Board



**PATRICIA NICHOLS**  
Member  
Well Installation Board



**MARTHA HILDEBRANDT**  
Member  
Well Installation Board



**M. SHARLENE MORGAN**  
Member  
Well Installation Board



**ANNETTA ST. CLAIR**  
Member  
Well Installation Board

Staff in this program also helps to protect groundwater resources from improper injection of fluids into the subsurface. Permits are issued for wells that meet construction standards, periodic inspections are conducted and information is provided detailing proper injection procedures.

### State Oil and Gas Council

The State Oil and Gas Council fosters, encourages and promotes the orderly and economic development, production and utilization of Missouri oil and gas resources, provides for the protection of strata containing fresh water of present and future value, and provides for the elimination of surface and subsurface pollution or waste during and after drilling, producing and abandonment procedures in all wells.

### State Oil and Gas Council

**Gupta, Dr. Anuj**, Rolla;  
**Simmons, Kelvin**, Jefferson City;  
**Hull, Jim**, Jefferson City;  
**Tate, Phil**, Jefferson City;  
**Fauvergue, George**, Carl Junction;  
**Luebbert, William J.**, Jefferson City;  
**Garstang, Mimi**, Rolla.

### Well Installation Board

This board, appointed by the governor, consists of four drillers; the director of the Geological Survey and Resource Assessment Division, representing the director of the Department of Natural Resources; and four public members. The board participates in the development of rules and regulations to protect groundwater resources and acts as an appeal board in enforcement matters.

### Well Installation Board

**Lawrence, Robert**, chair, Steele;  
**Schoen, Fred**, vice chair, Buffalo;  
**Cowan, Stanley**, member, Centertown;  
**Nichols, Patricia**, member, St. Louis;  
**Flynn, Danny**, member, Troy;  
**Hildebrandt, Martha**, member, Kansas City;  
**Morgan, M. Sharlene**, member, Rolla;  
**St. Clair, Annetta**, member, Joplin;  
**Garstang, Mimi**, member, Rolla.

### Land Survey Program

The division's Land Survey Program provides information and resources for the accurate location of all private and public boundaries in the state. The program is responsible for the restoration and preservation of corner markers set by



MARY HAGERTY  
Chair, Dam and Reservoir  
Safety Council



DEAN FREEMAN  
Vice Chair, Dam and Reservoir  
Safety Council



RICH FRUEH  
Member, Dam and Reservoir  
Safety Council



JOHN BOYER  
Member, Dam and Reservoir  
Safety Council

the original U.S. Public Land Survey, the maintenance of a records storage and retrieval system for all land survey records, the development of regulations for uniform professional surveying standards, the extension of horizontal and vertical control so that the State Coordinate System may be used and the restoration of state and county boundary markers. Additional statewide work also includes geodetic survey networks.

### Land Survey Advisory Committee

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



JEFFREY D. CAWLFIELD  
Member, Dam and Reservoir  
Safety Council



BARBARA ADELMAN  
Member, Dam and Reservoir  
Safety Council

### Land Survey Advisory Committee

**Ryan, Tim**, chair, Kansas City;  
**Brown, Karen R.**, member, Columbia;  
**Dopuch, Paul**, member, Hermann;  
**Koehler, Chris**, member, Cape Girardeau;  
**Smith, Gaylon**, member, Springfield.

### Dam and Reservoir Safety Program

The Dam and Reservoir Safety Program, through the Dam and Reservoir Safety Council, is responsible for ensuring that all new and existing non-agricultural, non-federal dams 35 feet or more in height meet minimum safety standards. The program staff reviews engineering plans and specifications; conducts hydrologic, hydraulic and structural analysis of dams; monitors construction of new dams and modification of existing dams; may perform safety inspections of existing dams; and may respond to dam safety emergencies.

The basic functions of the program are inspections, permit issuance, compliance and review, data management, and emergency response.

The program's permit activity involves the issuance of construction, registration and safety



ZORETTA SCHOONOVER  
Member, Dam and Reservoir  
Safety Council

permits. Safety standards set by the Dam and Reservoir Safety Council must be met before permits are issued. Registration and safety permits require implementation of operation and maintenance plans.

The program responds to emergency conditions and homeland security issues on all regulated dams and provides technical assistance on dams that are a threat of failure.

Data management includes maintaining data on more than 4,000 dams for use by emergency management officials, private owners, profes-



sional engineers, mining companies, educational institutions, other government agencies and the general public.

Compliance and review activities include evaluation of engineering data and other information to determine whether a dam is safe in accordance with applicable laws and regulations. The council conducts administrative hearings. All seven members are appointed by the governor.

### Dam and Reservoir Safety Council

**Hagerty, Mary, P.E.**, chair, St. Louis;  
**Freeman, Dean**, vice chair, Oregon;  
**Adelman, Barbara**, St. Louis;  
**Boyer, John**, Viburnum;  
**Cawfield, Jeffrey D.**, Rolla;  
**Frueh, Rich, P.E.**, St. Louis;  
**Schoonover, Zoretta**, St. Clair.

### Water Resources Program

The Water Resources Program responsibilities are defined in the water resource law, which addresses the development, conservation and utilization of the state's water resources. The program provides technical assistance in groundwater and surface water resource hydrology, planning and water use records to assist state agencies and communities in meeting their water-related needs. Functional units of the program include river basin planning and policy, groundwater, surface water, water use economics, wetland conservation, source water protection and the state water plan.

The river basin planning and policy staff coordinate issues relating to major river basins that affect Missouri. Geologists and hydrologists respond to inquiries from the public concerning water quality and quantity, spring systems, groundwater recharge, caves and cave systems and aquifer characteristics. Staff cooperate with the U.S. Geological Survey in processing and publishing water level and flood data from the state's observation well and stream gauging network. Technical support is provided in surface water such as reviewing projects and reports for hydropower, water supply, flood protection, in-stream flow and drought planning and response.

The program provides technical leadership to the Climate and Weather Committee of the Statewide Drought Assessment Committee and technical assistance to those involved with wetlands. Staff in this program also coordinate the development of the state water plan, a long-range, comprehensive statewide program concerning the use and availability of the state's surface and groundwater resources. This includes existing and future needs for drinking water, agriculture, industry, recreation, environmental protection and related needs. Program staff coordinate with state



GARY W. HEIMERICKS  
 Director, Division of  
 Administrative Support

and federal agencies, and private sector organizations and ensure public participation in the development and revision of the State Water Plan.

### Division of Administrative Support

Telephone: (573) 751-3016 / FAX: (573) 751-7749

The Division of Administrative Support provides the Department of Natural Resources administrative and management support. Budget development, internal audit, accounting, human resources, electronic data processing, procurement, grants management and general services are functions performed by the division.

The **Budget Program** is responsible for developing the department's annual operating and capital improvements budgets as well as the preparation of management and legislative reports.

The **Accounting Program** has several major functions: purchasing, fixed assets, and accounts payable, and maintenance; grant, project and fund accounting, reporting and monitoring; grant and fund fiscal management and analyses.

The **Human Resources Program** provides assistance to all divisions in the area of human resources administration and position classification, implements the provisions of the state personnel law, interprets employee benefits, conducts personnel research, coordinates training and provides career counseling, and maintains personnel records for all employees of the department.

The **Management Information Services Program** is responsible for coordinating and implementing data processing activities in the Department of Natural Resources. The coordination performed by the program provides a comprehensive capability to enter, store and process management information relevant to the development and conservation of natural resources in Missouri.

The **General Services Program** is responsible for maintenance and operation of the agency's motor pool, maintenance and operation of a centralized mailroom and supply center, surplus

of departmental property and coordination of telecommunications.

### **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 are 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 is to award scholarships to minority and under-represented students to pursue environmentally related courses of study. The purpose is to increase the number of minority and under-represented students who are enrolled in environmentally related courses of study.

### **Division of State Parks**

Telephone: (573) 751-2479 / FAX: (573) 751-8656

This division acquires, develops and manages state parks and historic sites, and coordinates statewide programs in the areas of outdoor recreation and trails.

In addition to providing Missourians with recreational opportunities, this division preserves natural and historically significant resources. The division is funded primarily through the parks-and-soils sales tax, which was approved by voters in 1984, 1988 and 1996.

### **State parks and historic sites**

Acquiring, protecting, developing and interpreting a well-balanced system of areas of outstanding natural and historic importance is a function 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 139,000 acres and attracts about 18 million visitors annually.

State parks protect outstanding natural features and interpret their significance for the general public through various means including programs. Recreational opportunities include camp-



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

ing, picnicking, swimming, boating, fishing and hiking.

State historic sites commemorate events or structures of statewide historical importance and honor persons 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 E. Sanford Baker, Kansas City, chair; Emily R. Firebaugh, Farmington; Ann Johnson, Hols Summit; Don Johnson, Festus; Howard J. Miedler, Moberly; Terry J. Satterlee, Kansas City; Ed Stegner, Pilot Grove; and Andrew Wood, Neosho.

### **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 those for motorized trails, walking trails, bicycle trails and trails accessible by individuals with disabilities.

The division also administers and monitors projects funded through the federal Land and Water Conservation Fund (LWCF) program, which provides federal funds to local outdoor recreation projects. In addition to administering grants, the division develops the Statewide Comprehensive Outdoor Recreation Plan.

The LWCF grants are awarded through the State Inter-Agency Council for Outdoor Recreation (SIACOR). SIACOR awards and oversees grants, provides a forum for consideration of outdoor recreation problems in the state and provides advice regarding problem solving and planning. Division staff provides administrative services to SIACOR; notifies the public regarding availability of grant funds; evaluates grant proposals; makes recommendations regarding funding to SIACOR; administers projects through acquisition, construction and reimbursement phases; and performs follow-up inspections to assure compliance.

SIACOR 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 historic site administered by the Division of State Parks.

Commissioners were selected for their personal knowledge of and friendship with Thomas Hart Benton, so as to be able 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**

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

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

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

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

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

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

**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.

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

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

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

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

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

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

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

**Edward "Ted" and Pat Jones-Confluence Point State Park**, St. Charles County, in West Alton (under development – open in 2004)

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

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

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

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

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

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

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

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

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

**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.

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

**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.

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

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

**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.

- Sam A. Baker State Park**, Wayne County, three miles north of Patterson on Missouri 143.
- Stockton State Park**, Cedar County, at Stockton on Missouri 215.
- Table Rock State Park**, Stone County, five miles west of Branson on Missouri 165.
- Taum Sauk Mountain State Park**, Iron County, nine miles southwest of Ironton.
- Thousand Hills State Park**, Adair County, four miles west of Kirksville on Missouri 157.
- Trail of Tears State Park**, Cape Girardeau County, 10 miles north of Cape Girardeau on Missouri 177.
- Harry S Truman State Park**, Benton County, west of Warsaw.
- Van Meter State Park**, Saline County, 12 miles northwest of Marshall on Missouri 122.
- Wakonda State Park**, Lewis County, three miles south of LaGrange on U.S. 61.
- Wallace State Park**, Clinton County, six miles south of Cameron on Missouri 121.
- Washington State Park**, Washington County, 14 miles northwest of Potosi on Missouri 21.
- Watkins Mill State Park**, 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.

### Missouri State Historic Sites

- Arrow Rock State Historic Site**, Saline County, 15 miles east of Marshall on Missouri 41.
- Battle of Athens State Historic Site**, Clark County, near Revere.
- Battle of Carthage State Historic Site**, Jasper County, East Chestnut Street, Carthage.
- 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.
- Bollinger Mill State Historic Site and Burfordville Covered Bridge State Historic Site**, Cape Girardeau County, in Burfordville on Missouri 34.
- Nathan Boone Homestead State Historic Site**, Greene County, north of Ash Grove on Missouri V.
- 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 (under development – open in 2004).
- Confederate Memorial State Historic Site**, Lafayette County, one mile north of Higginsville on Missouri 20 and Missouri 13.

- Deutschheim State Historic Site**, Gasconade County, 109 W. Second St., Hermann.
- Dillard Mill State Historic Site**, Crawford County, 12 miles southeast of Steelville near Missouri 49 at Dillard.
- Fort Davidson State Historic Site**, Iron County, in Pilot Knob on Missouri 21.
- First Missouri State Capitol State Historic Site**, St. Charles County, in St. Charles on Main St.
- Governor Dunklin's Grave State Historic Site**, Jefferson County, in Herculaneum on U.S. 61.
- Harry S Truman Birthplace State Historic Site**, Barton County, in Lamar on U.S. 160.
- Hunter-Dawson State Historic Site**, New Madrid County, in New Madrid on U.S. 61.
- Illiniwek Village State Historic Site**, Clark County, southeast of St. Francoisville.
- Jefferson Landing State Historic Site**, Jefferson City, between State Capitol and Governor's Mansion.
- Jewell Cemetery State Historic Site**, Boone County, near Columbia.
- Scott Joplin House State Historic Site**, 2658-A Delmar, St. Louis.
- Gen. John J. Pershing Boyhood Home State Historic Site**, Linn County, in Laclede on Missouri 139.
- Locust Creek Covered Bridge State Historic Site**, Linn County, three miles west of Laclede on U.S. 36.
- Mark Twain Birthplace State Historic Site**, Monroe County, near Paris on Missouri 107.
- Missouri Mines State Historic Site**, St. Francois County in Park Hills on Hwy. 32.
- Osage Village State Historic Site**, Vernon County, near Schell City, nine miles north of U.S. 54 off Vernon County C.
- Sandy Creek Covered Bridge State Historic Site**, Jefferson County, five miles north of Hillsboro, off Missouri 21.
- Sappington Cemetery State Historic Site**, Saline County, four and one-half miles southwest of Arrow Rock on County AA Spur.
- Towosahgy State Historic Site**, Mississippi County, east of East Prairie on County FF.
- Union Covered Bridge State Historic Site**, Monroe County, eight miles southwest of Paris on County C.
- Felix Valle State Historic Site**, Ste. Genevieve County, Merchant at Second St., Ste. Genevieve.
- Watkins Woolen Mill State Historic Site**, Clay County, six and one-half miles north of Excelsior Springs on U.S. 69.