Many Voices Working for the Community

The Oak Ridge Site Specific Advisory Board

A MESSAGE FROM THE CHAIR

Steve Dixon, chair

This is an important time for those of us who live and work in the eight-county region affected by Department of Energy (DOE) activities on the Oak Ridge Reservation.

After many years of studying the environmental problems associated with the reservation, the department has now moved into a phase in which decisions are being made about how those problems will be addressed. The choices DOE makes today will have far-reaching impacts on the surrounding communities for decades to come.

As DOE's federally appointed advisory panel, the Oak Ridge Site Specific Advisory Board offers an excellent opportunity for you to express your opinions and concerns about how DOE addresses the tasks associated with cleaning up the reservation and managing currently generated wastes. Reflecting the concerns of the community is an important part of our mission to serve as a communication link between the public and DOE and to provide informed advice and recommendations to DOE regarding environmental management activities.

I hope you'll take the time to read through this information booklet and then join us at one of our upcoming board or committee meetings. Members of the public are invited to speak at board meetings and may actively participate as non-voting members on committees during the development of recommendations to DOE. By working together, we have the opportunity to affect DOE's decision-making process in a way that best represents the citizens of this region.

Steve Dixon, Chair

MISSION STATEMENT

The mission of the Environmental Management (EM) Site Specific Advisory Board in Oak Ridge, Tennessee, is to provide meaningful opportunities for collaborative dialogue among the diverse multicultural communities surrounding the Oak Ridge Reservation, EM, and the U.S. Department of Energy Oak Ridge Office (ORO). The Board is chartered under the EM Site Specific Advisory Board Charter. At the request of the Assistant Secretary, the ORO Manager, or the ORO Assistant Manager for EM, the Board may provide informed advice and recommendations concerning the following EM site-specific issues: cleanup standards and environmental restoration, waste management and disposition, stabilization and disposition of non stockpile nuclear materials, excess facilities, future land use and long-term stewardship, risk assessment and management, and cleanup science and technology activities. The Board may also be asked to provide advice and recommendations on any other EM project or issue. The Board ensures early, ongoing community access to information (and its interpretation and implications) and dialogue that improves the quality of the decision-making process of EM and ORO.

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ON THE COVER:

Top photo: Cutting the cake at the ORSSAB 10th anniversary celebration, held September 12, 2005, at the American Museum of Science and Energy: Steve McCracken (left) DOE-Oak Ridge Assistant Manager for Environmental Management; Pat Halsey, ORSSAB Federal Coordinator; and Kerry Trammell, ORSSAB Chair.

Middle photo: FY 2009 ORSSAB members, liaisons, and student representatives. Seated, left to right: Gloria Mei, Claire Campbell (student representative), Tim Myrick, Steve McCracken (DOE Deputy Designated Federal Officer), Miranda Clower (student representative), Ron Murphree. Standing, left to right: Steve Stow, Darrell Akins, Lance Mezga, Steve Dixon (Chair), Steve Mead, Kevin Westervelt, Betty Jones, Bob Olson, Maggie Owen, Darryl Bonner, Sondra Sarten, Pat Halsey (DOE Federal Coordinator), Edward Juarez, David Martin, Ted Lundy (Vice chair), Charles Jensen.

Bottom photo: Cutting the ribbon on the ORSSAB display at the American Museum of Science and Energy on February 12, 2005 (left to right): Steve McCracken; Gerald Boyd, DOE-Oak Ridge Manager; Kerry Trammell, ORSSAB Chair; Steve Stow; museum Manager; Katie Meersman, ORSSAB Student Representative; and David Bradshaw, Mayor of Oak Ridge.

INTRODUCTION

The Oak Ridge Site Specific Advisory Board (ORSSAB) is an independent, volunteer citizens' panel that provides advice and recommendations to the U.S. Department of Energy (DOE) on its Oak Ridge Reservation (ORR) Environmental Management (EM) program. The group was formed and chartered under the Federal Advisory Committee Act in 1995.

The board is dedicated to providing informed recommendations and advice to the DOE EM program regarding environmental restoration and waste management, as well as long-term stewardship, land use and economic development of contaminated areas. Recommendations regarding environmental justice, health and safety issues, and other subjects may be developed at the board's discretion. The board is committed to reflecting the concerns of the communities impacted by environmental management of the ORR and to serving as a communications link between the public and the relevant government agencies, including local governments.

The board is composed of up to 20 members, chosen to reflect the diversity of gender, race, occupation, and interests of persons living near the reservation. Nonvoting members include representatives from DOE-Oak Ridge; the U.S. Environmental Protection Agency (EPA), Region 4; and the Tennessee Department of Environment and Conservation (TDEC). These members advise the board on their respective agency's policies and views. In addition, the board's membership includes two nonvoting student representatives chosen each year from local high schools.

What are SSABs?

SSABs (also called Citizens Advisory Boards at some sites) were developed to involve stakeholders more directly in DOE cleanup decisions. Under the Federal Advisory Committee Act, DOE has one EM SSAB. Twelve site boards were originally chartered under the EM SSAB umbrella at the following DOE sites: Fernald, Hanford, Idaho, Los Alamos, Monticello, Nevada, Oak Ridge, Pantex, Paducah, Rocky Flats, Sandia, and Savannah River. The number of SSABs has dropped as boards have disbanded following completion of cleanup activities at their sites. Eight boards are currently active in the DOE complex (see Figure 1).

What do the local site boards do?

The local site boards provide DOE with policy information, advice, and recommendations concerning environmental restoration, waste management, and technology development activities. They provide input and recommendations on difficult and sometimes controversial national and site-specific issues, such as future use, risk management, cleanup levels, economic development, and budget prioritization activities. Since their inception, local site boards have helped build trust between stakeholders and the DOE EM program.

Figure 1. SSABs are currently active at eight major DOE sites across the nation.

Who serves on the local site boards?

Local site board membership, which reflects a full diversity of views, cultures, and demographics from affected communities and regions, is composed primarily of people who are directly affected by site cleanup activities. Members include stakeholders from local governments, tribal nations, environmental and civic groups, labor organizations, universities, industry, and other interested parties. DOE, EPA, and state governments serve as liaisons on local boards.

What are local site board responsibilities?

- Submitting advice and recommendations to DOE on key EM issues.
- Keeping the public informed on key issues and board recommendations.
- Representing and voicing the diversity of community views.

What are DOE responsibilities?

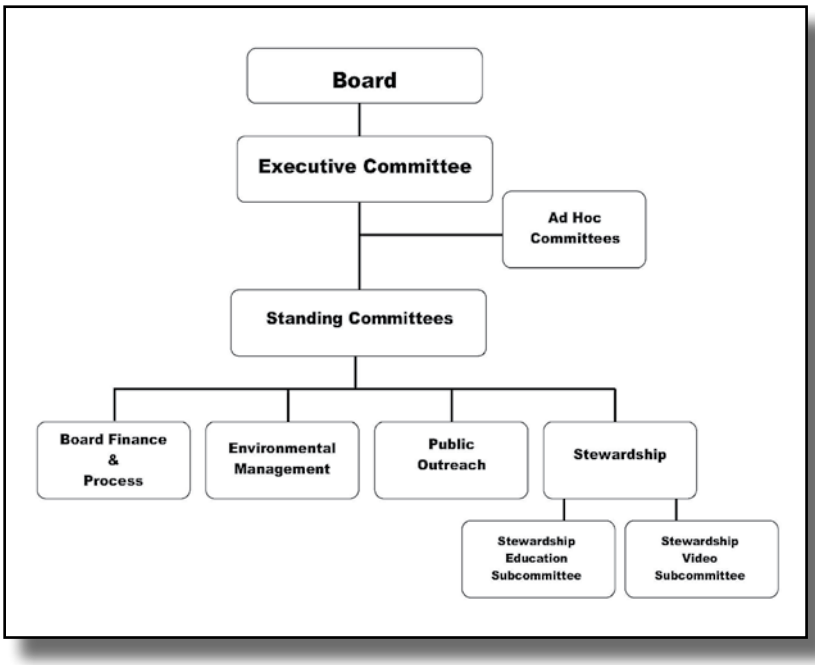
DOE-Oak Ridge provides guidance to the board through the Deputy Designated Federal Officer (DDFO) on priority issues for the site and on the mechanics of how the board should function (such as ensuring that meetings are open to the public and include participation by EPA, TDEC, and DOE officials). Other responsibilities include the following:

- Keeping the boards informed about key issues and upcoming decisions.
- Requesting recommendations well in advance of DOE deadlines.
- Considering and responding in a timely manner to all board recommendations.
- Providing adequate funding for administrative and technical support.

ORGANIZATION

ORSSAB meets monthly to hear presentations by persons working on EM activities, consider recommendations to DOE presented by the ORSSAB committees, hear input from concerned citizens, and conduct other business. All meetings are open to the public, and notices are posted at the DOE Information Center (475 Oak Ridge Turnpike, Oak Ridge, 865-241-4780); on the board's web site (www.oakridge.doe.gov/em/ssab); in the *Federal Register,* and in local newspapers.

Board meetings are generally held the second Wednesday of each month at 6:00 p.m. at the Information Center. Meeting information is available through the ORSSAB support office [(865) 241-4583 or 241-4584] and the board's web site. Agendas and background information are also available at the Information Center one week prior to each board meeting. All board meetings are video recorded, and copies of the tapes are available for public review at the Information Center.



Fogure 2. ORSSAB organization. Additional ad hoc committees may be formed each year to address mission-related topics on a short-term basis.

The board has four standing committees: Board Finance & Process, EM, Public Outreach, and Stewardship (Figure 2). Ad hoc committees meet as needed to address other topics related to the board and the EM program. General board business is handled at the monthly Executive Committee meeting.

ORSSAB committees usually meet monthly, and all meetings are open to the public. Following is a brief description of ORSSAB's standing committees.

EXECUTIVE COMMITTEE

General board business is handled by the Executive Committee, which is composed of the elected officers of the board and the standing committee chairs. The committee holds general administrative authority to set board agendas, coordinate the work of committees, and transact business as may be necessary between regular meetings. The Executive Committee presents all recommendations other than administrative ones to the board for action.

EM COMMITTEE

The mission of this committee is to evaluate and make recommendations on DOE's planning and implementation of ORR environmental restoration projects and on treatment, storage, disposal, and transportation of wastes and materials for which the EM program is responsible. The committee facilitates public participation in providing feedback to DOE on these decisions and considers health and safety, environmental justice, and DOE complex-wide concerns related to its mission topics.

STEWARDSHIP COMMITTEE

The goal of the committee is to serve as a forum for discussion of topics relevant to long-term stewardship of the ORR and to act as liaison between DOE and the community regarding stewardship issues. The committee works to ensure that DOE takes steps toward an effective stewardship program for the reservation, promote local involvement in stewardship for the reservation, and further a national commitment to stewardship across DOE sites. The committee also considers public outreach, health and safety, and environmental justice issues related to its mission topics.

BOARD FINANCE & PROCESS COMMITTEE

This committee's mission encompasses three main functions: to maintain overall responsibility for funding prioritization and control for the board; to serve as the board's forum for initial discussion on issues involving the ORSSAB Bylaws, the ORSSAB Operating Procedures, retreat planning, and preparation of the board's annual work plan; and to review and provide input to the Executive Committee and the board on DOE's EM program FY +2 budget and prioritization.

PUBLIC OUTREACH COMMITTEE

The goal of ORSSAB outreach is to implement the board's mission statement as it relates to community involvement: *"The board is committed to reflecting the concerns of the communities impacted by environmental management of the Oak Ridge Reservation and to serving as a communications link between the public and DOE."* The Public Outreach Committee achieves this goal through a number of outreach vehicles, including newspaper advertisements, an Internet site, meeting broadcasts on local cable channels, presentations to local organizations and schools, and more.

Topics for review by the ORSSAB standing committees are generated each year at the annual planning retreat and meeting, typically held the second Saturday in August.

MEMBERSHIP

ORSSAB has one of the most rigorous selection processes of the SSABs in the DOE complex, which assures that the board adequately represents the diversity of the area surrounding the ORR. Figure 3 shows an illustration of the process. Biographies of current board members are listed on the following pages. In addition to the 20 voting members, two nonvoting student representatives chosen from area high schools also sit on the board to represent the views and interests of area youth. One student is selected each year from Oak Ridge High School, and the other is selected on a rotating basis from the other high schools within a 15-mile radius of the reservation. Recommendations for student representatives are made by the high schools.

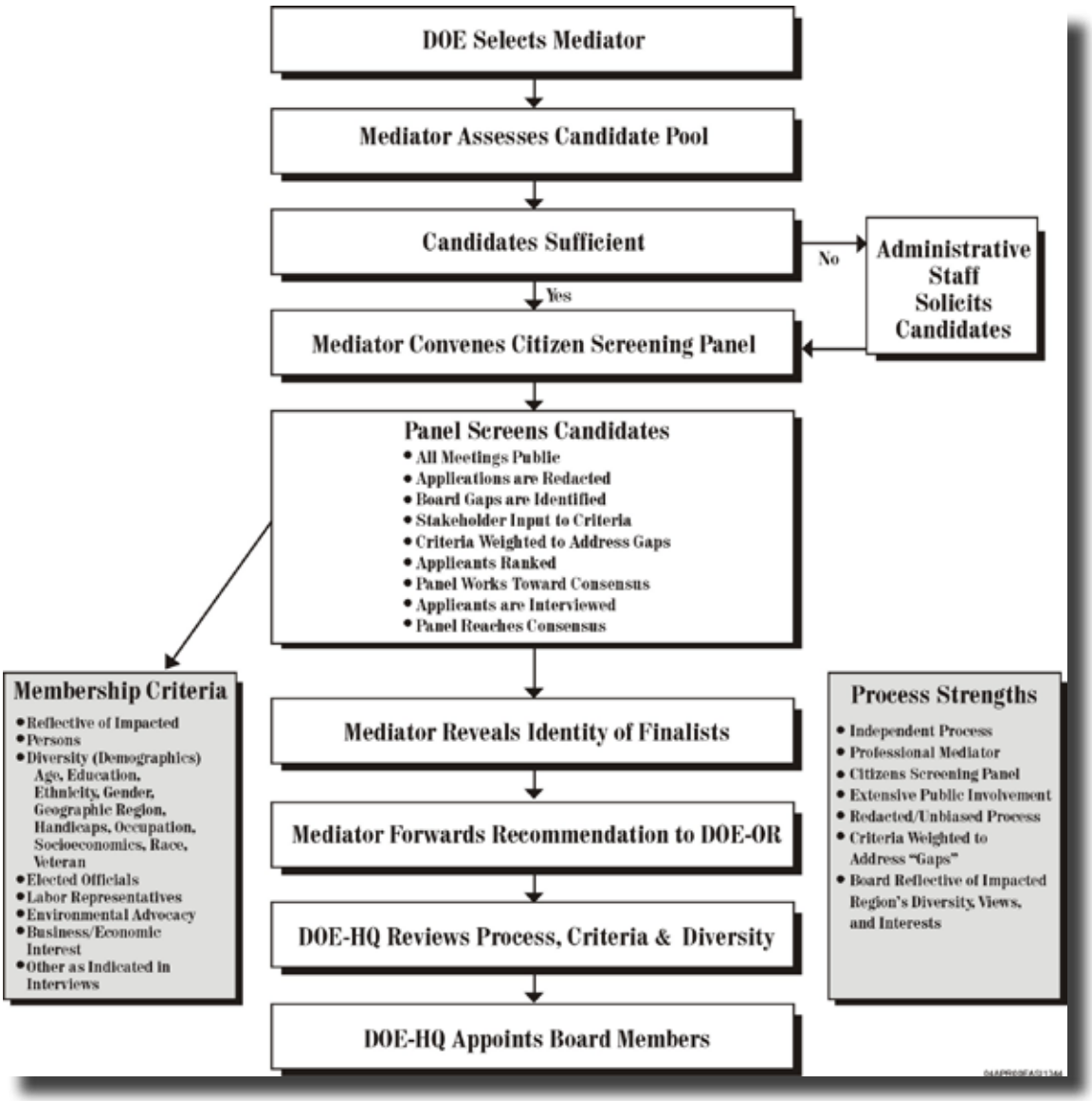


Figure 3. ORSSAB membership selection process.

Darrell Akins

Darrell is the co-owner of AkinsCrisp Public Strategies—a 20-year-old strategic communications firm with offices in Oak Ridge; Nashville; Huntsville, Alabama; and Washington, D.C.

Darrell began his professional career on the staff of Knoxville Mayor Kyle Testerman and then as a vice president of the Bank of Maryville. In 1979 he joined the administration of Gov. Lamar Alexander as Deputy Commissioner of Human Services and then as Deputy Commissioner of Transportation. At 31 he became the youngest member of the governor's cabinet with his appointment as Commissioner of Personnel.

Following his state service, he became chief executive officer of the Greater Knoxville Chamber of Commerce.

Bill Bass

Bill retired from Sears Holdings Corporation after 39 years of employment. He held various retail management positions in stores, regional, and home offices. When he retired he was the general manager of a 23-store district covering five states.

He volunteers with the Service Corp. of Retired Executives (SCORE) as a counselor and with the American Red Cross, where he serves as a liaison for governmental agencies. He served as a board member and officer at Chambers of Commerce in Leesburg, Florida, and Orange Park, Florida, and as a director of the United Way of Lake and Sumter Counties, Florida. He attended Furman University in Greenville, South Carolina. Bill resides in Lenoir City and enjoys golf and fly fishing.

Darryl Bonner

Darryl is an engineer with 14 years experience in emergency management, facility management, pollution prevention, environmental compliance, and industrial hygiene. He is employed by Bechtel Jacobs Company, LLC, in Oak Ridge as the Emergency Management Task Lead. He holds a B.S. in chemical engineering from Washington University in St. Louis and an M.S. in public health from the University of Alabama-Birmingham. Darryl resides in Oak Ridge.

Claire Campbell

Claire is a senior at Oak Ridge High School, where she is a member of the junior Envirothon team and section leader of the band's flute section. She was named the 10th best flute player (in about 500) in East Tennessee. She is a volunteer at the American Museum of Science and Energy and participates in the First United Methodist choir and First Presbyterian Youth Program. After high school she plans to study urban planning and land use, with environmental emphasis.

Miranda Clower

Miranda is a senior at Roane County High School, where she is an active member of the Young Republicans Club and the Beta Club. After high school she plans to major in some area of mathematics and sciences. Miranda is a member of Edgewood Baptist Church youth choir and participates in other church functions.

John Coffman

John is the president of DeNuke Services in Oak Ridge, which provides technical support services to contractors and subcontractors on DOE sites. He is a Certified Health Physicist and has worked in radioactive waste management and remediation activities for over 25 years. John received his B.A. in chemistry from the University of New Mexico and his M.S. in health physics from Colorado State University. He is a member of the Oak Ridge Chamber of Commerce; the Energy, Technology, and Environmental Business Association; the American Nuclear Society; and the Health Physics Society.

Steve Dixon

Steve is the owner of Spectra Environmental Group, which provides environmental services to over a thousand small businesses in the region. He has worked as the Director of Management for the Metro Knox Airport Authority and as the Finance Director for the Knoxville Community Development Corp. Steve received his B.S. in business from the University of Tennessee (UT)-Martin, and followed up with graduate-level course work in planning at UT-Knoxville, and Environmental and Occupational Safety and Health Administration (OSHA) Studies at Georgia Tech. Steve is a Louisville resident and an 18-year member of the Blount County Chamber of Commerce. In November 2008 he was elected as a Louisville City Alderman.

Charles Jensen

Charles is the owner and manager of Diversified Technologies in Knoxville, which manufactures, designs, and services wastewater treatment systems for nuclear power plants. He has founded three technology companies, one of which is listed on the NASDAQ, and is currently operating the third. He has developed two patents and has two more pending, and he has authored and presented several technical papers regarding waste processing in the commercial nuclear industry. Charles attended Iowa State University. He resides in Knoxville.

Betty Jones

Betty is employed by B&W Technical Services Y-12 as a Chemical Operations Relief Supervisor at the Y-12 National Security Complex. She holds an Associates Degree in applied science in environmental health technology from Roane State Community College and a B.S. in organizational management from Tusculum College, both in Tennessee. She has also received supplemental training in environmental management and OSHA laws and regulations. Betty lives in Oak Ridge.

Edward Juarez

Ed is a retired utility worker who was employed at the commercial Fermi 2 nuclear reactor site in Michigan for approximately 15 years as a trainer, outage management expeditor, and maintenance senior planner. He supervised nuclear simulator training and spent numerous hours in training in a wide variety of nuclear subjects and disciplines. He received his Associate of Science degree in applied science and his B.A. in sociology from Madonna University in Michigan, and his M.A. in criminal justice from the University of Detroit. He has been a member of the Knights of Columbus and LaSed Hispanic Community Development. Ed lives in Loudon.

Ted Lundy

Ted received his B.S. in engineering physics, M.S. in metallurgy, and his Ph.D. in metallurgical engineering from UT-Knoxville. He also was a 1958 graduate of the Oak Ridge School of Reactor Technology. He taught full time in the UT College of Engineering and then joined the Oak Ridge National Laboratory (ORNL) Metallurgy Division in 1957.During 1965-1966, he was at the United Kingdom Atomic Energy Research Establishment, Harwell, Solid State Physics Division.

Upon retirement from ORNL in 1988, he joined the Tennessee Tech Uiversity Center for Manufacturing Research and became its director in 1989, retiring from that position in 2000. Over the years, he taught several university courses both at UT and at Tennessee Tech in both mechanical and chemical engineering. Ted lives in Knoxville, and during the 1970s he was twice elected to the Knox County Court from a district in the Cedar Bluff/ Farragut area.

David Martin

David is a self-employed engineer who has worked on a wide range of power engineering assignments worldwide. His areas of expertise include project management, from preliminary design through commissioning; power station startup oversight; electrical equipment testing and design review; and substation construction and maintenance. He is a member of the Institute of Electrical and Electronic Engineers, the Roane County Forestry Association, Friends of the Smokies, the UT Arboretum Society, and Friends of the Kingston Library. David received his B.S. in electrical engineering from UT-Knoxville. He resides in Harriman, where he operates his family's farm, which is registered with the Tennessee Century Farms Program.

Steve Mead

Steve is employed by B&W Technical Services Y-12 as a Shift Technical Advisor at the Y-12 National Security Complex. He has extensive experience with nuclear criticality safety, hazardous material storage and transfer, and emergency management. He has worked with both DOE and naval nuclear reactors weapons systems, and has made 12 trips to Russian uranium processing plants as a treaty compliance inspector. Before moving to Y-12, he worked with Westinghouse Safety Management Solutions and Lockheed Martin, and in the Oak Ridge National Laboratory Research Reactors Division.

Steve retired from the Navy in 1987, where he served as a Nuclear Submarine Department Head out of Charleston, South Carolina, and as the Executive Officer at Commander Submarine Force U.S. Atlantic Fleet Representative in Northwood, England. He also served about four years as a Lieutenant Colonel with the Tennessee State Guard. Currently Steve is a member of the American Red Cross, the United Veterans of East Tennessee, and the Oak Ridge Sportsmen Association. He lives in Oak Ridge with his wife of 38 years. They have four grown daughters that graduated from Oak Ridge High School.

Gloria Mei

Gloria is a Radiation Safety Specialist at ORNL, where she manages and conducts program activities in radiological design and radiation control. Gloria holds a Ph.D. in nuclear engineering from Kansas State University. She is the recipient of the Fermi Hatchet Award at Kansas State, a diplomate of the American Board of Health Physics, and an adjunct associate professor of the Nuclear Engineering Department at UT-Knoxville.

Gloria belongs to several organizations, including the American Nuclear Society, Health Physics Society, Women in Nuclear, and the Organization of Chinese Americans. Gloria resides in Oak Ridge.

Lance Mezga

Lance is employed by UT-Battelle as the Project Manager for Environmental Integration for New Facilities Development at ORNL. He has more than 30 years experience in waste and environmental management, including projects and programs involving treatment and disposal of various waste types, strategic planning, technology development, and environmental compliance.

Lance has served as a technical expert to both national and international agencies, including DOE, the International Atomic Energy Agency, and the Organization for Economic Cooperation and Development. He is a Program Advisory Committee member for Waste Management Symposium, serving as co-chairman of the LLW, Intermediate, and Hazardous Waste Management Track. He holds an M.S. in geology from Kent State University. Lance lives in Knoxville.

Ron Murphree

Ron is a registered engineer and certified professional estimator with 25 years of construction-related experience. Since 1996 he has been the chief estimator for Denark Construction Company in Knoxville. He holds a B.S. degree in engineering from the U.S. Military Academy at West Point and an M.B.A. from Georgia State University in Atlanta. A Knoxville resident, he is past president of the Knoxville Downtown Sertoma Club and the Associated General Contractors, and is active in Knoxville and Knox County government.

Tim Myrick

Tim is the former Director of Facilities Strategic Planning for UT-Battelle, where he was responsible for the development of the new ORNL research campus. He has also worked in the environmental restoration and waste management fields, serving in senior management roles at ORNL, ETTP, and the private sector.

Tim's community involvement activities include the Red Cross, Habitat for Humanity, and Big Brothers/Big Sisters. Tim is a resident of Claxton and holds a B.S. degree in nuclear engineering and a M.S. degree in environmental engineering.

Bob Olson

Bob is a retired nuclear engineer who lives in the Oak Ridge area. He has worked at the Savannah River Laboratory as an experimental physicist and probabilistic risk analyst. He worked as a Nuclear Licensing Engineer for Sargent and Lundy in Chicago. He has worked as a consultant at K-25, Y-12, and ORNL. He also has experience at the proposed Yucca Mountain waste repository. He was a registered Professional Engineer in Illinois and Tennessee for many years.

He has B.S. and M.S. degrees in nuclear engineering from North Carolina State University and a Ph.D. in applied physics from UT-Knoxville. He is a member of the Board of Directors of Clinch River Home Health and is active in the Oak Ridge Institute for Continued Learning, where he is a trip planner and the moderator of the Philosophical Society.

Maggie Owen

Maggie is employed by Safety and Ecology Corporation (SEC) RADCON Alliance as a Health Physics Supervisor at ORNL and Y-12 National Security Complex. For the last 13 years, she has worked at the ORR in deactivation and demolition of radiological facilities, surveillance and maintenance, emergency response, and as a Health Physics Specialist assigned to the Melton Valley Closure Project. Prior to moving to Tennessee, Maggie worked as a Health Physics Technician in commercial nuclear facilities.

She is a member of the Health Physics Society and the National Registry of Radiation Protection Technologists. Maggie is president of GooD DeeDs of Oak Ridge, Inc., a 501(c)(3) organization. She received her B.S. in political science from Francis Marion University in South Carolina. Maggie lives in Oak Ridge.

Sondra Sarten

Sondra is the owner of RS Construction and Fabrication in Lenoir City, which provides fabricated metal products and construction services to a variety of companies and organizations, including DOE, NOAA, BNG America, and UT-Battelle. She attended Bessemer State Technical College in Bessemer, Alabama, and worked as a cost estimator for Lockwood Greene at various DOE sites, such as K-25 and Weldon Spring. Sondra is a Lenoir City resident and is active in church and civic organizations, including the Girl Scouts.

Steve Stow

Steve is recently from UT-Battelle, where he worked as Director of the American Museum of Science and Energy in Oak Ridge. He holds a B.S. in geology from Vanderbilt University and M.S. and Ph.D. degrees in geochemistry from Rice University, and has been involved with remediation and land use issues on the ORR for 25 years. He was also a professor of geological sciences for 11 years in Alabama and an adjunct professor with the University of Tennessee.

He is the author or co-author of over 70 publications and numerous reports. He is active in professional organizations and is a fellow in the American Association for the Advancement of Science and the Geological Society of America and is an active participant in the American Chemical Society's Speakers Tour. Steve lives in Knoxville.

Kevin Westervelt

Kevin is the Civil/Structural Engineering Department Manager at Mesa Associates in Knoxville. He is a member of the Tennessee Structural Engineers Association and has 25 years of experience in civil/structural engineering, 2 years of experience relating to site environmental compliance, and special project experience with the University of Tennessee relating to the remediation of the contaminated Coster Shop Rail Yard Facility.

He holds a B.S. degree in civil engineering from Purdue and has completed 11 master's level courses in Environmental Engineering at the UT Evening School. He is a licensed Professional Engineer in several states. He has resided in Knoxville since 1988. His main hobby is coaching AAU basketball.

HISTORY

1993

The first steps toward development of an Oak Ridge SSAB began in May when a local stakeholder group was formed to discuss environmental restoration and waste management issues. Six months later, the 45 members formed a steering committee to outline a proposal regarding establishment of an SSAB in Oak Ridge.

1994

The SSAB steering committee issued its proposal in July and met with DOE Assistant Secretary for EM Thomas Grumbly in December to discuss it. That same month, the Assistant Secretary directed that an Oak Ridge SSAB be established.

1995

The SSAB formation process began in January, and informational meetings were held in the Oak Ridge area through March. A panel was formed in summer to screen applications, and in September DOE-ORO empaneled its 20-member SSAB. The first meeting of the board was held September 21.

1996

The board adopted bylaws in February and standing rules were adopted in May. The following committees were formed by the board that year:

- Environmental Restoration;
- Environmental Health, Safety, and Justice;
- Land Use/Economic Development; and
- Waste Management.

Work began on the board's newsletter, and a web site was established in July. Six recommendations were submitted to DOE. Officers for the year were: Chair, Bob Peelle; Vice Chair, Mary Bryan; Secretary, Donna Campbell.

1997

In January, the board's Land Use/Economic Development Committee organized the End Use Working Group (EUWG) to study future uses for contaminated areas on the ORR. The EUWG in turn formed the Stewardship Committee to study long-term stewardship on the ORR. In March, the board adopted its "Vision, Critical Success Factors, and Principles" statement, which was developed to provide a set of long-term goals for the group. Several ad hoc committees were formed during the year to study subjects like the On-Site Waste Management Disposal Cell, DOE's "Accelerating Cleanup: Focus 2006," and the Human Health Effects Study for Oak Ridge and Vicinity.

The board issued 14 recommendations. Officers for the year were: Chair, Randy Gordon; Vice Chair, Bill Pardue; Secretary, Bob Peelle.

1998

The board reorganized its committee structure from one that addressed broad subjects to one that was more focused. Project teams addressed the following subjects:

- Budget & Prioritization,
- Bylaws,
- End Use,
- ETTP Remediation & Reindustrialization,
- Federal Facility Agreement Documents,
- Equity Issues,
- Public Outreach,
- Technology Development, and
- Waste Cell Management.

Major highlights and accomplishments included:

- The board approved the recommendations of the EUWG for contaminated sites on the ORR and submitted to DOE the *Final Report of the ORR EUWG*.

- The board approved the recommendations of the EUWG's Stewardship Committee and submitted the committee's ground breaking *Stakeholder Report on Stewardship* to DOE.
- The board sponsored a public information meeting on the reindustrialization of ETTP in April, providing an important forum for discussion on a topic that will prove pivotal in remediation of the site.
- The board sponsored a public meeting on the Toxic Substances Control Act Incinerator, at which Bill Rickman, a world-renowned incinerator expert, presented his findings on the incinerator.

The board submitted 18 recommendations. Officers for the year were: Chair, Bill Pardue; Vice Chair, Bob Peelle; Secretary, Peter Hillis.

1999

At the start of FY 1999 ORSSAB reconfigured several of its project teams to reflect current areas of interest and concern to stakeholders. Four teams remained unchanged: Public Outreach, Budget & Prioritization, Waste Cell Management, and Bylaws (although the Waste Cell Team changed its name to "On-Site CERCLA Waste Disposal Facility," and Bylaws became "Board Process").

The agendas of the Equity Issues and Technology Development & Deployment teams were incorporated into the newly formed Waste Management Team, and the agendas of the Federal Facility Agreement Appendix E Documents and ETTP Remediation & Reindustrialization teams were included in the Watershed Cleanup Team. The EUWG completed its mission and dissolved.

Major highlights and accomplishments included the following:

- The board expanded its outreach effort to educate the public about ORSSAB and the DOE EM Program.
- Anne-Marie Wiest became the board's first high school student participant.
- Interaction and cooperation with other SSABs was improved to address problems of common concern, most notably in the areas of low-level waste disposal, transportation, and stewardship.
- The board sponsored the Stewardship Working Group—a broad-based community effort to help DOE and other sites recognize stewardship needs after remediation. This effort led to a 3-day national SSAB workshop on stewardship, held in Oak Ridge in October 1999. The board submitted Volume 2 of the *ORR Stakeholder Report on Stewardship* to DOE.

Six members whose terms of service expired chose not to be reappointed to the board, and seven new members were seated. In May, the board changed its name from the ORR EM SSAB to the Oak Ridge SSAB. The board issued 14 recommendations. Officers for the year were: Chair, Bill Pardue; Vice Chair, Bob Peelle; Secretary, Rikki Traylor.

The board continued to streamline its organizational structure this year, paring down the standing committees to four (Environmental Restoration, Project Baseline, Stewardship, and Waste Management) and ad-hoc committees to two (Board Process and Public Outreach).

Members of the Stewardship Working Group—a broad-based citizens group formed by ORSSAB in 1999.

2000

Several valuable improvements were made in the board's operating procedures, including development of a mentor program and a comprehensive training program and materials for new board members. Materials included an orientation booklet, a training manual, and a reference manual. Extensive work also went into the annual planning retreat, and a set of guidance documents was developed to assist the board in developing its work plan. Doug Sarno from Phoenix Environmental was contracted to provide technical assistance and facilitation for the board's committees.

Board membership changed dramatically with the addition of eight new members and two new student representatives. Several longtime members stepped down, and charter member and former ORSSAB chair Randy Gordon died this year of cancer.

Major highlights and accomplishments of the year included the following:

- ORSSAB sponsored the national "SSAB Workshop on Stewardship," October 25–27, 1999, during which over 100 DOE stakeholders, including 50 members of SSABs from 9 DOE sites, met in Oak Ridge to discuss the current state of stewardship and the related activities that are most important for DOE to pursue.
- ORSSAB continued the broad-based stakeholder effort to follow up on long-term stewardship initiatives developed by the SSAB over the past 3 years by including area stakeholders in the activities of the Stewardship Working Group. The group published the *ORR Stakeholder Report on Stewardship, Volume 2*, in December 1999.
- The board reached out to stakeholders by holding meetings in new venues, such as Pellissippi State and Roane State community colleges.
- ORSSAB expanded its commitment to including the younger generation in its activities by seating two student representatives on the board.

The board issued 15 recommendations and comments to DOE. Officers for the year were: Chair, Steve Kopp; Vice Chair, Demetra Nelson; Secretary, Rikki Traylor.

2001

At the board's annual retreat, three standing committees were formed: Environmental Restoration, Stewardship, and Waste Management. The Public Outreach Committee was disbanded, and that function was placed under a staff Public Outreach Coordinator, who reports to the Executive Committee. Seven new members joined ORSSAB this year, and with seven others signing on near the end of FY 2000, 14 of the 20 members serving in FY 2001 had been on the board for just over a year or less. The only three charter members to have remained on the board for the entire six years of service allowed by ORSSAB bylaws retired in July. Bill Pardue, Pat Rush, and Lorene Sigal served on ORSSAB since August 1995.

Major highlights and accomplishments of the year include the following:

- ORSSAB established a Stewardship Education Task Team to reach out to students and the community with long-term stewardship education to help ensure that stewardship issues are understood.
- Seven ORSSAB members toured western U.S. disposal sites to learn about disposal practices at sites where EM wastes are being disposed.
- Ad hoc committees were established to study and make recommendations on the *FY 2001 Remediation Effectiveness Report/CERCLA 5-Year Review*, EPA's "Draft Public Involvement Policy, " DOE-Headquarter's "Revised Public Participation Guidance," and the draft *Public Involvement Plan for CERCLA Activities at the U.S. DOE ORR.*
- An ad hoc committee was impaneled to participate in creation of an "Oak Ridge Success Story" document—a concept developed by a

broad coalition of local community, government, and business groups to portray a factual picture of environmental conditions in Oak Ridge.
- ORSSAB members participated in a number of meetings and conferences around the nation to learn about EM and waste management policy, gain understanding of relevant technical issues and present technical papers.

The board submitted 20 recommendations and comments to DOE. Officers for the year were: Chair, Luther Gibson; Vice Chair, Dave Mosby; Secretary, Corkie Staley.

2002

The board kept the same standing committees as FY 2001: Environmental Restoration, Stewardship, and Waste Management. Five new members were added this year, and student representatives were seated from Oak Ridge and Roane County high schools.

Major highlights and accomplishments for the year include the following:
- The board focused much of its attention on the Accelerated Cleanup Plan, which DOE introduced this year as a method to speed up cleanup of its ORR. The board reviewed and commented on major documents associated with the plan and participated in several public forums. The EM Committee cosponsored a public meeting with DOE-ORO on budgets associated with the plan.
- The Stewardship Committee formed a Stewardship Status Team to review every aspect of stewardship performance on the reservation and provide written reports to the public, DOE, regulatory agencies, local governments, and other interested parties.
- The Stewardship Education Subcommittee worked with science classes at Oak Ridge and Roane County high schools to have the students create summary reports of the *Oak Ridge Reservation Stakeholders Report on Stewardship, Volumes 1 and 2*. The summaries were distributed to area middle schools and high schools as part of an educational resource kit to help teachers introduce the subject of environmental cleanup to students.
- The Waste Management Committee sponsored a public meeting to discuss the proposed closure of the Toxic Substances Control Act Incinerator. Helen Belencan from DOE-HQ was the featured speaker.
- ORSSAB members participated in a number of meetings and conferences around the nation to learn about EM and waste management policy and to gain understanding of relevant technical issues. Four ORSSAB members participated in the national SSAB Groundwater Workshop held at the Savannah River Site.

The board submitted 14 recommendations and comments to DOE. Officers for the year were: Chair, Luther Gibson; Vice Chair, Dave Mosby; Secretary, Corkie Staley.

2003

At the FY 2003 planning retreat, held August 2 and 3, 2002, the board elected to keep the same three standing committees as in 2002: Environmental Restoration, Stewardship, and Waste Management.

Three new members joined ORSSAB this year, and two members resigned. Two others retired upon serving the full six years allowed by ORSSAB bylaws (Steve Kopp and Charles Washington). Officers for the year were: Dave Mosby, Chair; Norman Mulvenon, Vice Chair; Donna Campbell, Secretary. Committee Chairs were: Kerry Trammell, Environmental Restoration; John Million, Stewardship; Luther Gibson, Waste Management. High school student representatives for the year were Jenna Carignan from Oak Ridge and David Johnson from Karns.

Major highlights and accomplishments of the year include the following:

- ORSSAB worked on several fronts to help break the logjam that has prevented the movement of remote-handled transuranic waste to more secure storage. In October 2002, ORSSAB wrote to the State of New Mexico to endorse DOE's remote-handled transuranic waste permit modification request to allow shipment of this waste to the Waste Isolation Pilot Plant. In January 2003, ORSSAB members attended the SSAB Workshop on Transuranic Waste Management at the Waste Isolation Pilot Plant, and the board subsequently endorsed the workshop recommendations. ORSSAB followed up with a set of site-specific recommendations, sent to the DOE Assistant Manager for EM.
- In FY 2003 ORSSAB provided six recommendations to DOE on various aspects of long-term stewardship. The ORSSAB Stewardship Committee established an Education Subcommittee, which prepared the *ORR Educational Resource Guide*. The guide was written to introduce the concepts of radiological and chemical contamination, EM, and stewardship to high school students.
- In July 2003, ORSSAB launched its video lending library at the DOE Information Center, providing the community with a valuable educational resource regarding EM Program issues. The library contains over 30 titles related to waste management, radiation, risk, environmental justice, environmental laws and regulations, history, and EM.
- On October 17-19, 2003, ORSSAB hosted the fall EM SSAB Chairs Meeting at the Hilton Hotel in Knoxville. Fifty participants from across the DOE complex met to discuss EM projects and policy, share ideas and concerns among sites, identify and work on common issues, and gain understanding of relevant technical issues.
- On October 9, 2002, the board approved a change to ORSSAB Bylaws Article VII. C5. to allow members of the public to participate in ORSSAB standing committee business on a voting basis.
- The board generated 17 recommendations and comments during the year on various aspects of the ORR cleanup program.

2004

Several changes were made to the ORSSAB committee structure at the beginning of the year. During the annual planning retreat the board changed its committee structure to combine the Environmental Restoration and Waste Management committees into a single EM Committee. The Stewardship Committee remained the same, but new Board Finance and Public Outreach committees were added. The Board Process Ad Hoc Committee was empaneled later in the year.

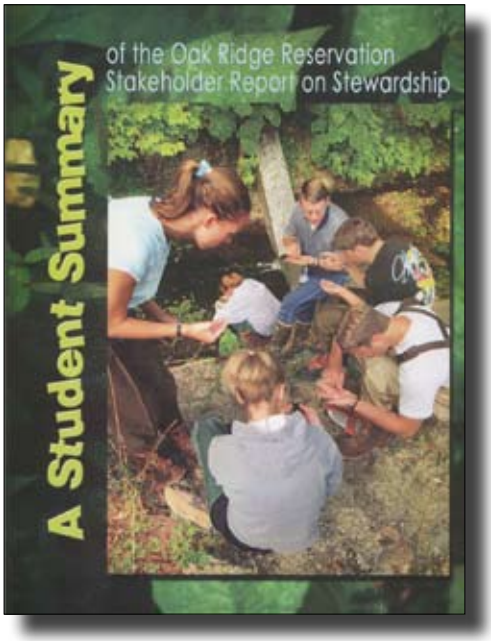
The creation of the Board Finance Committee was closely associated with another major change in the board's structure. In 2003 the Assistant Secretary of Energy for EM issued direction that the prime contractors performing cleanup work at DOE sites could no longer provide support for the SSABs. The Board Finance Committee was formed in large part to address the guidance. Over the course of several months committee members met with the DOE Federal Coordinator to develop a scope of work for a prospective support provider. As a result of these efforts, a contract was put in place in May 2004 with Spectrum, Inc., an 8(a) company based in Oak Ridge.

No new members joined ORSSAB this year, and one member resigned (George Rimel). FY 2004 officers were Dave Mosby, Chair; Norman Mulvenon, Vice Chair; Luis Revilla, Secretary. Student representatives for the year were Barbara Kosny from Oak Ridge and Atur Sheth from Farragut. Ex officios and DOE staff remained unchanged from FY 2003: David Adler, DOE ex officio; Connie Jones, EPA ex officio; John Owsley, TDEC ex officio; Steve McCracken, DDFO; Pat Halsey, DOE Federal Coordinator.

Committee Chairs were Kerry Trammell, Board Finance; Luther Gibson, EM; Dave Mosby, Executive; George Rimel, Public Outreach; Ben Adams, Stewardship; Luis Revilla (Board Process Ad Hoc). David Bidwell was retained as facilitator for the EM and Stewardship committees.

Major highlights and accomplishments of the year include the following:

- The board generated nine recommendations and comments on various aspects of the ORR cleanup program.
- ORSSAB published the second volume of its two-volume "ORR Stakeholder Report on Stewardship" in 1999. As time passed, though, it became apparent that the report was too detailed for some audiences—notably the high school students the board was trying to reach through its public outreach program. To address the problem, the ORSSAB Stewardship Committee asked advance placement science classes at Oak Ridge and Roane County high schools to summarize the report. The resulting "Student Summary of the ORR Stakeholder Report on Stewardship" was published in May 2004. The student summary was widely distributed to local schools and libraries and is available on the ORSSAB web site at www.oakridge.doe.gov/em/ssab/Publications/StudentSummary.pdf.
- Meetings held by the ORSSAB Stewardship Committee with the Anderson County Register of Deeds and the Property Assessor led to an effort to ensure that DOE Web-based GIS mapping and land-use restriction information is provided to the city of Oak Ridge and the counties in which DOE is performing cleanup activities. This will help ensure that records of contaminated areas of the reservation are available to future generations.
- ORSSAB was instrumental in ensuring that a tight schedule was maintained when DOE sought to make a change to a remediation method identified in the Record of Decision for Interim Actions in Melton Valley. The change from in situ vitrification to in situ grouting was to be made as an amendment to the Record of Decision rather than an Explanation of Significant Difference. Because a Record of Decision amendment typically requires a greater level of public involvement and two documents instead of one for an Explanation of Significant Difference , the board urged DOE to streamline the Record of Decision amendment schedule to match that of an Explanation of Significant Difference. DOE and the regulators agreed to the tightened schedule, and approximately one year was saved on the project.
- Stewardship of contaminated areas of the ORR following cleanup has long been an ORSSAB priority. So when DOE signed the "Long-Term Stewardship Strategic Plan for the ORR" in March 2004, the board's Stewardship Committee took the next logical step by producing an "Annotated Outline for a Long--Term Stewardship Implementation Plan." DOE representatives have responded favorably to the outline, noting that it provides a firm framework for the implementation plan, which is tentatively slated for publication in Spring 2005. The Annotated Outline is available on the board's web site at www.oakridge.doe.gov/em/ssab/recommendations/FY2004/R7-14-04.8.pdf.



The student summary of the two "Stakeholder Report on Stewardship" documents.

2005 ORSSAB celebrated its 10th anniversary this year with a series of public outreach events as it moved forward in its mission to provide informed advice to the DOE-ORO EM program.

10th Anniversary Celebration

In September 2005, the board took a break from its busy year to host a 10th anniversary birthday party at the American Museum of Science and Energy in Oak Ridge. Attending the festivities were many current and former board members, as well as Doug Frost, DOE's Designated Federal Officer for the nine SSABs across the DOE complex; Gerald Boyd, DOE-ORO Manager; Steve McCracken, DOE-ORO Assistant Manager for EM; and David Bradshaw, Mayor of Oak Ridge. A highlight of the event was the presentation of commemorative plaques signed by the Secretary of Energy and Mayor Bradshaw. The event also provided the board with an opportunity to show off its new museum exhibit (see following story).

In the 10 years since the SSAB was established in 1995, the board has issued 137 recommendations to DOE on various issues related to the cleanup operations on the ORR. These recommendations have covered almost every aspect of the cleanup program—from health and safety issues to the nuts and bolts of specific project details. The board has also performed a very important function by serving as the focal point for community outreach activities related to the cleanup program. ORSSAB members are unpaid volunteers who have devoted thousands of hours of their time to the government as a public service.

Stewardship Education Resource Kit

In March 2005 the board launched its Stewardship Education Resource Kit, which was developed over the course of three years to provide high school educators with materials on the background, science, history, and cleanup of contaminated areas on the ORR and the stewardship of residually contaminated sites.

The kit contains lesson plans, videos, a fictional case study based on actual cleanup operations, an appendix of supporting materials, and a video CD on the background and use of the kit. The kit is exceptional because it offers teachers a complete resource for educating students about long-term stewardship of contaminated land. It provides great flexibility for teachers to tailor the lessons to a number of grade levels and specific subject areas, such as environmental science, chemistry, biology, ecology, civics, or history. For more information about the kit, see www.oakridge.doe.gov/em/ssab/stewardship-kit/kit.htm.

Museum Exhibit

ORSSAB unveiled its permanent exhibit at the American Museum of Science and Energy in February 2005 with a ribbon-cutting ceremony attended by about 50 members of the board, the public, and the media. Speakers at the event included Gerald Boyd, Steve McCracken, David Bradshaw, ORSSAB Chair Kerry Trammell, and Museum Director Steve Stow.

Located on the second floor of the museum, the display uses touch-screen kiosks, displays, and posters to tell the story of the Oak Ridge EM program. The centerpiece of the exhibit is a scale model of the EM Waste Management Facility in Bear Creek Valley, which provides visitors an idea

The ORSSAB exhibit at the American Museum of Science & Energy.

of the magnitude of the cleanup effort on the reservation. The touch-screen kiosks take visitors on an interactive journey through the cleanup process at the Gunite Tanks, one of the highly successful remediation projects at ORNL. Suspended over the exhibit is one of the remotely controlled planes that used infrared photography to survey waste disposal sites on the ORR.

Other Major Accomplishments of the Year:

- The board issued six recommendations and comments on local cleanup activities and participated with other SSABs across the DOE complex in submitting two recommendations to DOE-Headquarters.
- Board members gave fifteen presentations about the board and the EM program to local schools, organizations, and elected officials. Members also set up displays and participated in several community events, including the Y-12 Safety Expo, the Secret City Festival, and the ORNL Volunteer Fair.

Other Highlights:

While FY 2004 brought a number of changes regarding committees, no such changes were made in FY 2005. All committees formed in 2004 remained in FY 2005: Board Finance, Board Process, EM, Executive, and Public Outreach.

FY 2005 brought a large turnover in membership. New members joining included Darryl Bonner, Steve Dixon, Steve Douglas, Linda Grandage, Chris Grove, Lance Mezga, James Miller, Ken Sadler, and Robert Olson. Linda Grandage resigned shortly after being appointed, as did Dick Berry, Amy DeMint, and Chris Smith, all of whom had been on the board for some time. Luther Gibson, John Kennerly, Bob McLeod, John Million, and David Mosby retired after completing their maximum three terms of service on the board.

Students serving in FY 2005 were Stephanie Jernigan, Zach Ludwig, and Katie Meersman (for the term May 2004–April 2005); and Meredith James and Tonya Justice (for the term May 2005–April 2006).

Board officers for the year were Kerry Trammell, Chair; Bob McLeod, Vice Chair; and Rhonda Bogard, Secretary. Committee Chairs were David Mosby, Board Finance; Rhonda Bogard, Board Process; Luther Gibson, EM; Kerry Trammell, Executive; Norman Mulvenon, Public Outreach; and Ben Adams, Stewardship.

Facilitator for the EM and Stewardship committees was Catherine Whitworth. Technical advisor for the "Recommendations on the Proposed Plan for Contaminated Soil, Buried Waste, and Subsurface Structures In Zone 2, ETTP (DOE/OR/01-2110&D2)" was Jerry Eddlemon.

Ex officios and DOE staff remained unchanged from FY 2004: Dave Adler, DOE Ex Officio, Connie Jones, EPA Ex Officio, John Owsley, TDEC Ex Officio; Steve McCracken, DDFO; and Pat Halsey, Federal Coordinator. Support staff were Spencer Gross and Pete Osborne.

2006

ORSSAB Presented with Prestigious National EPA Award

In June 2006 ORSSAB and its Stewardship Committee were presented with the Citizens Excellence in Community Involvement Award. The national honor is given annually by EPA to recognize an individual or community group for outstanding achievement in the field of environmental protection. The award was presented at EPA's 2006 Community Involvement Conference in Milwaukee, Wisconsin.

Kerry Trammell, Heather Cothron and EPA's Suzanne Wells.

The award recognizes two major achievements by the ORSSAB Stewardship Committee between October 2004 and September 2005.

The first achievement was development of the Stewardship Education Resource Kit (see "Teacher's Workshop" story).

The second achievement focuses on maintaining information about contaminated land. In 2004 the Stewardship Committee worked with Anderson County to test a system where plat maps of contaminated land would be placed in the county geographical information system. The test was successful, so in 2005 the board recommended that DOE standardize its language for land with notices of contamination so they could be easily found by anyone doing land searches in the county land records. DOE adopted the recommendation and is standardizing its language when filing notices of contamination with Anderson County. The county also sends the same information to the City of Oak Ridge.

ORSSAB Hosts Teacher's Workshop on the Stewardship Education Resource Kit

In February 2006 ORSSAB sponsored a two-day workshop on how to use the board's Stewardship Education Resource Kit in the classroom. The event was attended by twenty-four ecology and environmental science teachers representing public and private high schools in Knox and Anderson counties.

The kit, which was completed in March 2005, contains lesson plans, videos, a fictional case study based on actual cleanup operations, an appendix of supporting materials, and a video CD on the background and use of the kit.

During the workshop, held February 9 and 11, ORSSAB members and facilitators from the University of Tennessee explained how to use each lesson, showed videos included with the kit,

ORSSAB member Donna Campbell, far right, leads an Internet search activity at the 2006 teacher's workshop on the Stewardship Resource Kit.

and demonstrated the use of support materials and related Internet sites. The teachers participated in group activities and listened to a panel discussion on stewardship that included representatives from ORSSAB, DOE, and the state of Tennessee.

Kit materials are available on the ORSSAB web site at www.oakridge.doe.gov/ em/ssab/stewardship-kit/kit.htm. Organizations that have an interest in stewardship and the environment may request a version of the kit.

ORSSAB Hosts National SSAB Chairs Meeting

The chairs and other representatives of SSABs in Oak Ridge, Colorado, Kentucky, Idaho, Nevada, New Mexico, Ohio, South Carolina, and Washington state meet semiannually to discuss individual and common concerns. The spring 2006 meeting was sponsored by ORSSAB and held in Knoxville April 27–28.

Heading the list of DOE officials at the meeting was James Rispoli, assistant secretary for EM, who came to thank the boards for their dedication and to challenge them to continue their work to represent the concerns of their communities. Other DOE visitors from DOE headquarters included Charlie Anderson, principal deputy assistant secretary for EM; Mark Frei, deputy assistant secretary for business operations; Douglas. During the meeting, the representatives crafted two recommendations to DOE (see http://www.oakridge.doe.gov/em/ssab/recc.htm).

New Member Training Meeting

On August 11, 2006, ORSSAB hosted a training meeting at the DOE Information Center for new members and student representatives. The agenda included: ORSSAB Mission and the Types of Issues the Board Addresses; The SSAB Within DOE; ORSSAB History, Organization, and Activities; Stewardship and EM Overviews; FFA and CERCLA Documentation; Training Methods, and Annual Planning Retreat.

Members Meet with Assistant Secretary Rispoli

DOE Assistant Secretary for EM James Rispoli visited the ORR on October 25, 2005. ORSSAB chair Kerry Trammell and board member Steve Dixon had an opportunity to meet with him briefly at the DOE Information Center. Principal Deputy Assistant Secretary for EM Charlie Anderson also attended the meeting.

National Volunteer Service Award

In honor of National Volunteer Week, DOE Assistant Secretary for EM James Rispoli recognized the nine local boards that comprise the department's EM SSAB. In a special ceremony held in conjunction with the semiannual SSAB chairs meeting in Knoxville, April 27–28, 2006, Rispoli presented the President's Volunteer Service Award pin to the board representatives. Kerry Trammell received the pin on behalf of ORSSAB.

Other Highlights

In January 2006 the board hired Becky Brunton to facilitate the EM and Stewardship committee meetings.

Students serving in FY 2006 were Meredith James and Tonya Justice (for the term May 2004–April 2005); and Sarah Lewis and Sean 3 (for the term May 20065–April 2007).

Board officers for the year were Kerry Trammell, chair; Rhonda Bogard, vice chair; and Sandy Reagan, secretary. Committee chairs were Steve Dixon, Board Finance; Sandy Reagan, Board Process; Lance Mezga, EM; Kerry Trammell, Executive; Heather Cothron, Public Outreach; and Norman Mulvenon, Stewardship.

Liaisons and DOE staff remained unchanged from FY 2005: Dave Adler, DOE Liaison, Connie Jones, EPA Liaison, John Owsley, TDEC Liaison; Steve McCracken, DDFO; and Pat Halsey, Federal Coordinator. Support staff were Spencer Gross and Pete Osborne.

2007

ORSSAB Sponsors Meeting on the Remediation Effectiveness Report/ CERCLA 5-Year Review

DOE is spending hundreds of millions of dollars in Oak Ridge each year cleaning up environmental contamination left from decades of nuclear enrichment and other activities. But how do you know it's working? The answers lie in an annual report and a rigorous review that occurs every five years. The annual report is the Remediation Effectiveness Report, and every five years it is expanded to include the Five-Year Review that's required under CERCLA.

While the annual report evaluates if the remedy is working as planned, the Five-Year Review evaluates whether that chosen remedy is still effective and appropriate under today's conditions. It also reevaluates the protectiveness of the cleanup decisions.

Because the review is so important, ORSSAB issued its "Recommendations on Logistics for a Public Meeting on the 2006 Remediation Effectiveness Report and CERCLA Five-Year Review" in November 2006. The board made several general recommendations about the meeting, as well as specific recommendations concerning the agenda and publicity. A primary suggestion was to use an ORSSAB monthly meeting as a forum for the public meeting. DOE agreed and set the date for May 9, 2007. About 50 people attended the meeting, which gave local stakeholders an important forum to express their views on both the Remediation Effectiveness Report and the CERCLA Five-Year Review.

ORSSAB Kicks Off Oral History Initiative

In spring 2007, ORSSAB formed a subcommittee to explore the possibility of facilitating an oral history program for the ORR. This history contains invaluable information to the EM program when determining the scope and the data necessary to approach areas of the reservation requiring remediation or in determining if an area does not require remediation.

About 275 oral history interviews have been conducted to date with Oak Ridge scientists, engineers, community leaders, and residents, but there is no central location housing all of the existing tapes, and no mechanism exists to manage an active oral history program in terms of cataloguing and transcribing tapes, identifying and interviewing people, and providing access to material to researchers and other interested parties.

The subcommittee has begun looking into funding options and how other DOE sites similar to Oak Ridge have conducted or are conducting oral history programs. In addition, the subcommittee organized a workshop that brought together many groups and individuals interested in preserving Oak Ridge history. The workshop, which was held October 11, 2007, was intended to help resolve several issues, including:

- What is the definition of an oral history?
- What are sources of funding?
- Should all oral histories be housed at one location along with transcripts and other relevant files?

More than 30 people representing various organizations in Oak Ridge attended a workshop on October 11, 2007, to discuss ways to organize a comprehensive oral history program related to the DOE Oak Ridge Reservation. The event was sponsored by ORSSAB and the Oak Ridge Public Library.

- Should a "permanent" administrative group/ advisory committee be formed to oversee the oral history program, and if so, who?
- What existing regulations/legislative acts control or influence an oral history program?
- Who are the individuals who need to be interviewed in the near future?
- What format of the end product will be most desired and easy to access?
- What organization will handle transcribing oral histories that have not yet been transcribed?

ORSSAB Sponsors Workshop on "A General Overview of the Decommissioning Process"

On March 9, 2007, ORSSAB sponsored a day-long workshop on the decommissioning process to give members a better understanding of what it takes to deal with structures like the K-25 building. Seven board members attended, plus DOE and state personnel. The workshop was held at the DOE Information Center and led by Larry Boing of Argonne National Laboratory.

Melton Valley Closure Marks End of 10-Year ORSSAB Involvement

For many years the Melton Valley burial grounds posed the highest risk at the ORR to human health and the environment. In March 2007, DOE completed remedial actions in the valley, bringing the project to a close and ending a decade of involvement and oversight by ORSSAB.

Beginning in January 1998 with its "End Use Recommendation for the Disposal Areas in Melton Valley," the board made 20 recommendations to DOE related to various aspects of Melton Valley cleanup. An inestimable number of hours were devoted by the board members in studying, debating, and writing recommendations on numerous issues related to the project and the acceptable end state for the area.

The remediation work was a huge undertaking that addressed 219 release sites over the course of six years at a cost of $360 million. It could have cost as much as $1.6 billion had all the waste been removed and shipped off site, but the board played an instrumental role in the decision to leave some relatively short-lived contamination in place in order to save taxpayers millions of dollars.

Board Helps with Public Involvement Plan

Both CERCLA and the "Federal Facility Agreement for the Oak Ridge Reservation" require DOE Oak Ridge to publish a Public Involvement Plan. The plan is updated every three years. The purpose of the plan is to communicate to the public its opportunities for participation in the decision-making process regarding the remediation of contaminated areas on the reservation. As such, the plan is one of the most important documents to citizens that the EM program prepares.

In 2007 DOE began working on an update of the 2004 plan. ORSSAB supplied numerous comments and suggestions, which were incorporated into the final document. Because of the board's involvement, important additions and changes were made to better serve the community. DOE said in its response to the recommendation: "Thanks to the board's knowledgeable input, we believe the document has been greatly improved since its previous update three years ago."

Students, Officers, Liaisons, and Staff

Students serving in FY 2007 were Sarah Lewis from Oak Ridge High School and Sean Purdy from Webb School of Knoxville (for the term May 2006–April 2007), and Ashlyn Hall from Oak Ridge High School and Hubert Gibson from Oliver Springs High School (for the term May 2007–April 2008).

Board officers for the year were Chair—Lance Mezga, Vice Chair—Norman Mulvenon, Secretary—Steve Douglas (until his resignation in January 2007; replaced by Ben Adams). Committee chairs were: Board Finance—Steve Dixon, EM—Rhonda Bogard, Executive—Lance Mezga, Public Outreach—Steve Stow, and Stewardship—Darryl Bonner.

Agency liaisons and DOE staff remained unchanged from FY 2006: DDFO—Steve McCracken, DOE Liaison—Dave Adler, Federal Coordinator—Pat Halsey, EPA Liaison—Connie Jones, TDEC Liaison—John Owsley. Support staff were Spencer Gross and Pete Osborne.

2008

In September 2008 the board voted to change its fiscal year to start in October instead of September. As a result, FY 2008 was a 13-month fiscal year, running from September 1, 2007 through September 30, 2008.

Oral History Initiative Completed

The seeds sown at the 2007 oral history workshop (see above) flowered in 2008 into a comprehensive oral history program called the "Center for Oak Ridge Oral History" and the SSAB's role ceased except to have a seat on the steering committee.

Headquartered at the Oak Ridge Public Library, the program is being led by a steering committee that includes representatives from DOE-Oak Ridge, ORSSAB, the Oak Ridge Public Library, the National Nuclear Security Administration/Y 12, the DOE Office of Science and Technical Information, the Tennessee State Library and Archives, the American Museum of Science and Energy, the City of Oak Ridge, the Tennessee Valley Authority, and the University of Tennessee.

Board member Steve Stow makes a note during an Oral History Steering Committee meeting.

ORSSAB's work on the oral histories program provided an important step in bringing cohesion to the various interests in the community on an issue of importance not only to the public but to the DOE EM Program as well. Material contained in oral histories will offer invaluable information to EM when determining the scope and the data necessary to approach areas of the ORR requiring remediation or in determining if an area does not require remediation.

ORSSAB Sponsors Meeting and Provides Input on K-25 Building Historic Preservation

At the November 2007 ORSSAB meeting, the board's DDFO, Steve McCracken, requested that ORSSAB provide a recommendation to the EM program by April on the preservation plans for the K-25 Building at DOE's ETTP.

On February 19, 2008, ORSSAB co-sponsored a meeting to gather input from the public on how best to preserve the historic significance of the K-25 Building. The meeting, which was held at the Y-12 New Hope Center, was attended by about 160 people and was covered by all the local papers and two television stations.

The K-25 Building was constructed as part of the Manhattan Project during 1944–45 to supply enriched uranium for the first atomic bombs and later for Cold War defense purposes and nuclear power reactors. When it was built, in just 18 months, it was the largest building in the world under one roof. Operations at the K-25 Building were permanently shut down in 1964. The entire K-25 plant ceased operations in 1987.

Most of the mile-long, U-shaped building is being decontaminated in preparation for demolition. To comply with the National Historic Preservation Act, a memorandum of agreement was signed in 2005 by DOE, the City of Oak Ridge, the State of Tennessee, the Advisory Council on Historic Preservation, and the Oak Ridge Heritage and Preservation Association. The agreement calls on DOE to retain the north tower of K-25 that connected the two-long 'legs,' the footprint of the U-shaped building, and the upper 10 feet of the inner basement area walls between these legs.

However, the building is rapidly deteriorating, and DOE is re-evaluating how best to preserve the

historical significance of K-25. As part of its re-evaluation, DOE requested input from interested organizations and individuals concerning the north tower and if it should be retained for historical purposes and what steps should be taken to interpret the building's importance to the Manhattan Project. This meeting provided a key opportunity for members of the public to express their views, and numerous comments were generated and forwarded to DOE by ORSSAB.

In February 2008 ORSSAB co-sponsored a public meeting on the K-25 Building historic preservation issue.

ORSSAB followed up on the meeting in March 2008 by providing DOE EM with a recommendation on K-25 Building preservation. And because K-25 was allowed to deteriorate so much, the board wondered what could be done to prevent other buildings on the ORR with historic value from deteriorating as K-25 had. In an attempt to prevent the loss of other buildings within the EM scope with historical significance because of neglect, the board generated a follow-up recommendation on the subject in July.

ORSSAB's involvement in K-25 Building historic preservation provided a vital mechanism for DOE EM to provide the community with information and gather public input on an issue that will have long-term implications for the public and EM.

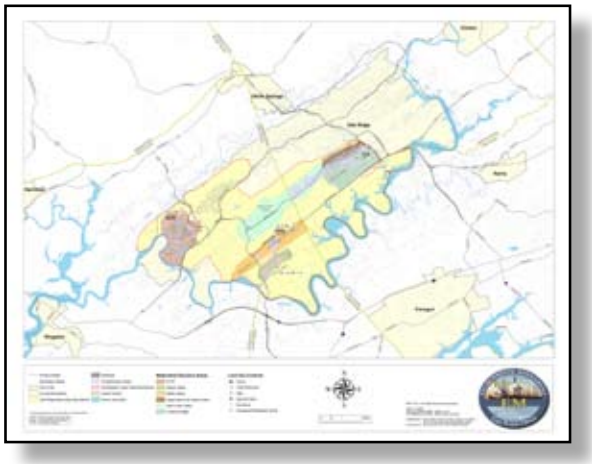
Work on New Stewardship Map Completed

In FY 2008 ORSSAB's Stewardship Committee worked with DOE to produce a stewardship map that shows all remediated areas on the ORR and what land use controls are currently in place.

The map, which is 50 by 64 inches, was placed in the DOE Information Center for public display and use. Accompanying the map will be a notebook that includes reference to all decision documents related to each remediated area. The map is also available on the Oak Ridge Environmental Information System (www-oreis.bechteljacobs.org/oreis/help/oreishome.html). Smaller versions of the map will be provided to the City of Oak Ridge, and Anderson and Roane County officials. It will also be on display in the ORSSAB exhibit at the American Museum of Science and Energy.

The map is color coded to indicate the various watershed decision areas: ETTP, Melton Valley, Bethel Valley, Upper East Fork Poplar Creek, Bear Creek Valley, and Chestnut Ridge. Within each watershed area the map indicates contamination areas and remediated areas under deed restrictions. Icons explain what land use controls are currently in place for DOE operating areas and those in place for remediated areas, such as deed restrictions, fences, signs, security patrols, monitoring, and excavation/penetration permits required.

Each time a Remedial Action Report is approved for remediated areas by EPA and TDEC, the map will be updated to show the changes where waste has been left in place on the reservation and the land use controls utilized to protect the public and workers.



In 2008 the Stewardship Committee developed a map showing waste left in place on the ORR.

Through ORSSAB's efforts, the map will play an integral role in helping the public maintain knowledge about remediated areas on the ORR and what land use controls are in place.

Museum Exhibit Renovated

In FY 2008 ORSSAB finished a complete overhaul of its permanent exhibit at the American Museum of Science and Energy in Oak Ridge. First installed in February 2005, the exhibit uses touch-screen kiosks, displays, and posters to tell the story of the Oak Ridge EM program.

The centerpiece of the exhibit is a scale model of the EM Waste Management Facility in Bear Creek Valley, which provides visitors an idea of the magnitude of the cleanup effort on the ORR. Two touch-screen kiosks take visitors on an interactive journey through the cleanup process at the Gunite Tanks, one of the highly successful remediation projects at ORNL. Suspended over the exhibit is one of the remotely controlled planes that used infrared photography to survey waste disposal sites on the reservation. Also featured is a poster, video presentation, and display about the board's Stewardship Education Resource Kit.

A variety of colorful posters inform visitors about cleanup program topics, including an overview of the EM program, the challenges the program faces in Oak Ridge, and reindustrialization of ETTP. A poster explaining what ORSSAB is and what it does is featured prominently, and another explains how the remotely controlled airplane overhead was used by the cleanup program.

Seventeen Recommendations Provided to DOE

In FY 2008 the board generated thirteen local recommendations on cleanup-related issues and participated in four recommendations developed by the seven EM SSABs chartered at sites across the DOE complex. Complete text of all ORSSAB recommendations is available at www.oakridge.doe.gov/em/ssab/recc.htm.

- Recommendation 158: "Recommendation on the Environmental Management Waste Management Facility Explanation of Significant Difference for Leachate Management Information Sheet," 9/12/07
- Recommendation 159: "Recommendation on the Notice of Intent to Prepare an Environmental Impact Statement for the Disposal of Greater-Than-Class C Low-Level Radioactive Waste," 11/14/07
- Recommendation 160: "Recommendation on Independent Verification of Locations of Waste Sites in Melton Valley," 11/14/07
- Recommendation 161: "Recommendation on Developing a Stewardship Map Showing Remediated Areas with Radioactive/Hazardous Waste or Residual Contamination Left in Place," 12/12/07
- Recommendation 162: "SSAB Chairs Recommendation for Long Term Stewardship Incorporation Into New EM Projects and Legacy Waste Decisions," 11/29/07
- Recommendation 163: "SSAB Chairs Recommendation for EM SSAB Participation in the EM Budget Process," 11/29/07
- Recommendation 164: "Recommendation on Engineering and Technology Development on the Oak Ridge Reservation," 2/13/08
- Recommendation 165: "Recommendation on Conducting Future Verifications of Cleanup," 3/12/08
- Recommendation 166: "Recommendation on Preparing Future Explanations of Significant Differences," 3/14/08
- Recommendation 167: "Recommendation on Historic Preservation of K-25 Building at East Tennessee Technology Park," 3/24/08

- Recommendation 168: "Recommendation on the FY 2010 DOE-Oak Ridge EM Program Budget Request," 4/9/08
- Recommendation 169: "Recommendation on Supporting an Oral History Program for the Oak Ridge Reservation," 4/9/08
- Recommendation 170: "Recommendation on Remedial Investigation/Feasibility Study for East Tennessee Technology Park," 5/14/08
- Recommendation 171: "Recommendation on the Waste Information Management System," 7/9/08
- Recommendation 172: "Recommendation to the Department of Energy-Oak Ridge Office of Environmental Management on Lessons Learned from Efforts to Preserve the North Tower of the K-25 Building for Historic Purposes," 7/9/08
- Recommendation 173: "SSAB Chairs Recommendation That Quarterly Project Reviews Be Shared with the EM SSABs"
- Recommendation 174: "SSAB Chairs Recommendation to Support Establishment and Continuation of the Office of Communication"

Training Meeting and Tours Held to Educate Members

On October 13, 2007, from 9:00 a.m. to noon, a tour of the ORR was held for new members Bill Bass, Steve Dixon, and David Martin, and student representative Hubert Gibson.

When the board's DDFO Steve McCracken asked for input on preserving at least a portion of the K-25 Building at ETTP for historical purposes, several members felt they needed to see the condition of the building first hand in order to make an informed decision. On January 12, 2008 from 10 a.m. to noon Bill Bass, Darryl Bonner, David Martin, Sondra Sarten, and Steve Stow, wearing full protective gear, toured the North Tower of the K-25 Building.

On July 15, 2008, from 5:30 to 7:30 p.m., the board sponsored a risk training workshop for 11 board members and five members of the Local Oversight Committee. The goal of the workshop was to educate members about risk and how it applies to cleanup of the ORR. DOE's Dave Adler served as the moderator, and Lynn Sims of Bechtel Jacobs Company was the main presenter. The workshop was video recorded to use as training for future board members.

Board Members Attend Seven National Meetings and Conferences

Each year, ORSSAB members take part in various meetings, workshops, and conferences to: participate in discussions on EM and waste management policy, gain understanding of relevant technical issues, discuss subjects of mutual interest with SSAB counterparts at other sites, and present technical papers on EM-related topics. Following are the meetings attended in FY 2008:

- Intergovernmental Meeting with DOE; October 17–18, 2007; Snowbird, Utah; Attendees: Steve Dixon, Charles Jensen
- Waste Management 2008; Phoenix, Arizona; February 24–28, 2008; Attendees: John Coffman, Sondra Sarten
- EM SSAB Chairs Meeting; Richland, Washington; April 22–24, 2008; Attendees: Darryl Bonner, Steve Dixon, Ted Lundy
- Environmental Justice 2008; Washington, D.C.; May 21–24, 2008; Attendee: Sondra Sarten
- Western Waste Site Tour; Las Vegas, Nevada; Salt Lake City, Utah; Carlsbad, New Mexico; June 2–6, 2008; Attendees: Darryl Bonner, Steve Dixon, Ted Lundy, David Martin, Steve Mead
- RadWaste Summit; Las Vegas, Nevada; September 2–5, 2008; Attendees: John Coffman, Gloria Mei
- EM SSAB Chairs Meeting; Washington, D.C.; September 16–17, 2008; Attendees: Darryl Bonner, Steve Dixon, Ted Lundy

Annual Planning Retreat Held in August

The board held its annual planning retreat on Saturday, August 9, 2008, at Whitestone Country Inn near Kingston, Tennessee. Becky Brunton facilitated the meeting.

The retreat began with an activity based on a presentation board member Tim Myrick gives at Oak Ridge High School each year, in which he provides students with information on five previous cleanup projects at DOE's ORR and then asks students to come up with solutions. For the retreat, Mr. Myrick discussed public involvement in the remediation decision for the Upper East Fork Poplar Creek in the early 1990s. As he does in his high school presentations, he asked board members to decide the best solution to the problem.

Board members Miranda Clower, student representative, Ron Murphree, center, and Steve Stow work on an exercise at the 2008 annul retreat.

Following this activity, the board worked through the day's agenda items, which included The Role of the Board and How It Can Be More Effective; The Roles of Committee Liaisons, Board Liaisons, DDFO, and Federal Coordinator; Results of the Member Survey—Evaluating the Effectiveness and Achievements of ORSSAB; Board Processes—How Things Get Done; Accomplishments from the FY 2008 Work Plan; and Key Issues to Guide Our Work for the Coming Year. Following the retreat, a short board meeting was held to elect officers and conduct other business. A complete summary of the event is available at http://www.oakridge.doe.gov/em/ssab/Minutes/FY2008/2008annualretreatsummary.htm.

Students, Officers, Liaisons, and Staff

Students serving in FY 2008 were Ashlyn Hall from Oak Ridge High School and Hubert Gibson from Oliver Springs High School (for the term May 2007–April 2008) and Claire Campbell from Oak Ridge High School and Miranda Clower from Roane County High School (for the term May 2008 –April 2009.

Board officers for the year were Chair—Lance Mezga, Vice Chair—Steve Dixon, Secretary—Ted Lundy. Committee chairs were: Board Finance—Ben Adams (Sept. 2007-June 2008), EM—Ron Murphree, Executive—Lance Mezga, Public Outreach—Kevin Westervelt, and Stewardship—Darryl Bonner.

Agency liaisons and DOE staff remained unchanged from FY 2007: DDFO—Steve McCracken, DOE Liaison—Dave Adler, Federal Coordinator—Pat Halsey, EPA Liaison—Connie Jones, TDEC Liaison—John Owsley. Support staff were Spencer Gross and Pete Osborne.

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ORSSAB PUBLICATIONS

All ORSSAB publications are available upon request from the support office (865) 241-4583 or 241-4584 and on the Internet at www.oakridge.doe.gov/em/ssab/pubs.htm.

PUBLICATIONS			
"ORSSAB Annual Report"			
FY 1996, published October 1996		FY 1997, published October 1997	
FY 1998, published October 1998		FY 1999, published December 1999	
FY 2000, published October 2000		FY 2001, published December 2001	
FY 2002, published April 2003		FY 2003, published July 2004	
FY 2004, published May 2005		FY 2005, published March 2006	
FY 2006, published December 2006		FY 2007, published December 2007	
FY 2008, published December 2008			
"Advocate" newsletter			
Issue 1–September 1996	Issue 2–February 1997	Issue 3–September 1997	Issue 4–May 1998
Issue 5–November 1998	Issue 6–March 1999	Issue 7–July 1999	Issue 8–December 1999
Issue 9–May 2000	Issue 10–October 2000	Issue 11–March 2001	Issue 12–September 2001
Issue 13–February 2002	Issue 14–June 2002	Issue 15–July 2003	Issue 16–December 2003
Issue 17–November 2004	Issue 18–March 2005	Issue 19–June 2005	Issue 20–September 2005
Issue 21–December 2005	Issue 22–March 2006	Issue 23–July 2006	Issue 24–November 2006
Issue 25–January 2007	Issue 26–April 2007	Issue 27–July 2007	Issue 28–October 2007
Issue 29–January 2008	Issue 30–April 2008	Issue 31–July 2008	Issue 32–October 2008
Issue 33 – January 2009			
Other Publications			
Stewardship Education Resource Kit, March 2005			
"Oak Ridge Reservation Educational Resource Guide," November 2004			
"A Student Summary of the ORR Stakeholder Report on Stewardship," May 2004			
"Oak Ridge Reservation Stakeholder Report on Stewardship, Volume 2," December 1999			
"National SSAB Stewardship Workshop Report," October 1999			
"Oak Ridge Reservation Stakeholder Report on Stewardship, Volume 1," July 1998			
"Final Report of the Oak Ridge Reservation End Use Working Group," July 1998			

ABBREVIATIONS

DDFO	Deputy Desingated Federal Officer
DOE	U.S. Department of Energy
DOE-ORO	DOE-Oak Ridge Office
EM	Environmental Management
EPA	U.S. Environmental Protection Agency
ETTP	East Tennessee Technology Park
EUWG	End Use Working Group
FY	fiscal year
ORNL	Oak Ridge National Laboratory
ORR	Oak Ridge Reservation
ORSSAB	Oak Ridge Site Specific Advisory Board
TDEC	Tennessee Department of Environment and Conservation
Y-12	Y-12 National Security Complex