



Oak Ridge Site Specific Advisory Board

FY 2005 Annual Report

September 2004–August 2005

*Celebrating Our 10th Anniversary
1995–2005*

A Message from the Chair



Kerry Trammell, Chair

Welcome to the tenth anniversary edition of the Oak Ridge Site Specific Advisory Board annual report.

When the Board held its first meeting on September 21, 1995, the Department of Energy's Environmental Management Program was deep into the paper-shuffling stage. It was a necessary phase, investigating the scope of the environmental contamination on the Oak Ridge Reservation, but everyone was eager to get down to the "dirt moving" work of cleanup. It took awhile to get there, but now, a decade later, enormous strides have been made in addressing the legacy of contamination from historic releases to the environment.

Creation of the Board a decade ago marked a turning point for the Environmental Management Program. For the first time, the public had a true seat at the table. It was evident from the outset that this group of interested citizens would take their jobs very seriously.

Since the Board was established in 1995, it has issued 137 recommendations to DOE on various issues related to the cleanup operations on the Oak Ridge Reservation. 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. These recommendations have helped DOE make better decisions on cleanup issues and in many cases have helped save money and time in performing cleanup actions.

The Board has also performed a very important function by serving as the focal point for community outreach activities related to the cleanup program. In 1997 the Board sponsored a broad-based community effort called the End Use Working Group to study future uses for the Oak Ridge Reservation. The Board also empaneled the Stewardship Working Group in 1998 to study long-term stewardship issues related to cleanup. These groups were instrumental in building consensus in the Oak Ridge community regarding the expected end state of reservation lands and long-term stewardship issues.

It's through efforts such as these leading to open dialog and consensus building between DOE and the public that we've been able to come as far as we have with relatively little of the antagonism that sometimes marked debate in the early years of the cleanup program. DOE and the public have truly become partners in the serious business of cleaning up the environment for this and future generations.

In the following pages you'll find a snapshot of the events and topics that made up this tenth year for the Oak Ridge Site Specific Advisory Board. As in each of the previous reports, you'll find the Board engaged in a variety of issues and activities, all focused on our mission of providing informed advice and recommendations to the Oak Ridge Environmental Management Program. I'm very proud of the work the Board has accomplished in its first ten years, and I expect that the next decade will be even more productive, as we continue to learn, grow, and change along with the Environmental Management Program.

A handwritten signature in black ink that reads "Kerry Trammell". The signature is written in a cursive, flowing style.

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MISSION STATEMENT

The Oak Ridge Site Specific Advisory Board is an independent, nonpartisan, broadly representative group of citizens with interests and concerns related to the environment at the U.S. Department of Energy's Oak Ridge Reservation and surrounding areas. The Board is dedicated to providing informed recommendations and advice to the Department's Environmental Management Program regarding environmental restoration and waste management, as well as 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 reservation and to serving as a communications link between the public and relevant government agencies, including local governments.

Introduction

The Oak Ridge Site Specific Advisory Board (ORSSAB) is an independent, federally appointed citizens' panel that provides advice and recommendations to the U.S. Department of Energy (DOE) on its Oak Ridge Environmental Management (EM) Program. The group was formed 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 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 EM activities at the Oak Ridge Reservation (ORR) and to serving as a communications link between the public and relevant government agencies, including local governments. A map of the ORR is shown in Figure 1.

The Board is composed of up to 20 members, chosen to reflect the diversity of gender, race, occupations, views, and interests of persons living near the ORR. Members are appointed by DOE and serve on a voluntary basis, without compensation. At the close of Fiscal Year (FY) 2005, the Board consisted of 18 voting members from four counties: Anderson, Blount, Knox, and Roane.

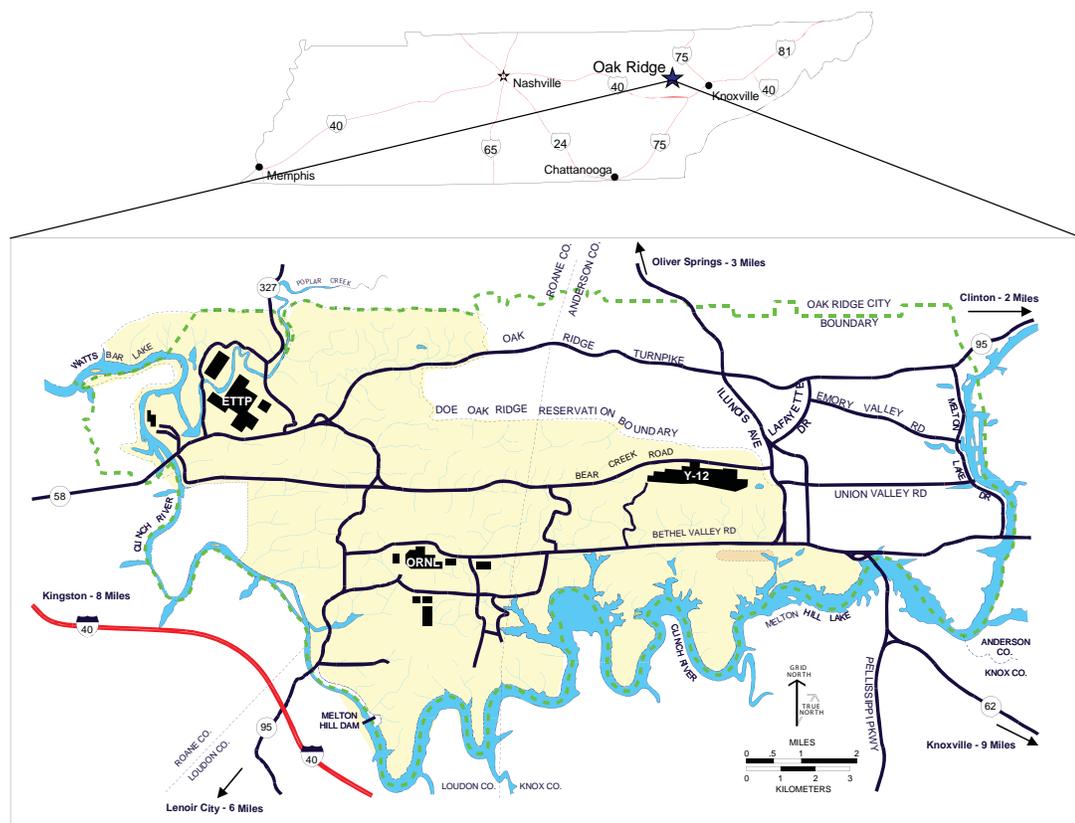


Figure 1. Map of the Oak Ridge Reservation showing East Tennessee Technology Park (ETTP), Oak Ridge National Laboratory (ORNL), and the Oak Ridge Y-12 National Security Complex (Y-12).

Non-voting members include representatives from the DOE-Oak Ridge Office (DOE-ORO), 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. Nonvoting student participants also serve on the Board to represent the viewpoints and concerns of area youth.

ORSSAB provides a number of avenues for the public to learn about and express views on DOE-ORO EM work. All Board and committee meetings are open to the public and are announced in newspaper advertisements and at the DOE Information Center in Oak Ridge. Board meetings are also advertised in the *Federal Register* and are video recorded and broadcast on local cable television stations. Copies of the tapes are available for public review. The Board maintains a Web site at www.oakridge.doe.gov/em/ssab, where information can be found. Information is also available by calling the ORSSAB support office at 865-576-1590.

Board Meetings

The Board meets monthly to hear presentations by personnel working on relevant EM topics, listen to and discuss input from concerned citizens, consider recommendations to DOE developed by the various ORSSAB committees, and conduct other business.

The Board conducts its deliberations under ORSSAB Bylaws and Roberts Rules of Order and strives for consensus in reaching decisions.

Committees

A diagram of the Board's FY 2005 structure is shown in Figure 2. General Board business is handled at the monthly Executive Committee meeting. This committee, which is composed of the elected officers of the Board and the standing

committee Chairs, holds general administrative authority to set Board agendas, coordinate the work of committees, and transact business as necessary.



Figure 2. FY 2005 ORSSAB committee structure.

ORSSAB committees usually meet monthly, and all meetings are open to the public. Each ORSSAB committee creates its own work plan to guide its activities during the year, and these work plans are updated continually as the Board year progresses. Information about ORSSAB committees can be found in the "Committees" section of this report.

FY 2005 Board Officers

Officers for the year were Chair: Kerry Trammell; Vice Chair: Bob McLeod; and Secretary: Rhonda Bogard.

Key Issues

Following are the key issues that resulted in Board recommendations in FY 2005. Complete text of all recommendations is available at www.oakridge.doe.gov/em/ssab/recc.htm.

Proposed Plan for Contaminated Soil, Buried Waste, and Subsurface Structures in Zone 2 at ETTP

Zone 2 comprises the area outside the main security fence line of the East Tennessee Technology Park (ETTP). The proposed plan offered five alternatives, with the preferred choice being removal of contaminated soil to 10 feet, removal of all buried waste from the K-1070-B burial ground, and partial removal of the K-1070-C/D burial ground.

For two reasons the Board did not believe that the proposed remedy was conducive to future industrial development. First, only contaminated soils and wastes from the top of the K-1070-D burial ground would be removed, leaving non-environmentally contaminated classified equipment in place below ten feet. Resulting high-visibility security efforts to guard the burial ground would be a discouragement to reindustrialization. Second, rubble from demolition of clean buildings would leave the area looking like a 'battlefield' and would not be conducive to industrial redevelopment.

To address these concerns the Board recommended that the Record of Decision define a program of cleanup and restoration that the public and prospective users of the property would find aesthetically acceptable and compatible with construction of industrial facilities. The Board also recommended that DOE make provisions for the operation of land use controls when land is transferred from DOE.

In the responsiveness summary of the Record of Decision, DOE said closure activities would be compatible with future uses of the site. It

listed several specific remedies, such as covering concrete and demolition rubble with soil and removing building slabs. DOE also said it does not intend to transfer property to any owners incapable of meeting institutional control responsibilities.

Haul Road from ETTP to EMWMF

As a result of some problems in waste transport in 2004, DOE concluded that the safest way to transport waste from ETTP to the EM Waste Management Facility (EMWMF) was to build a dedicated haul road to get transport trucks off the public roadways.

While the Board supported the timely and safe transfer of waste, it did not entirely support construction of the haul road as proposed. In December 2004 it issued a recommendation based on several points. The Board expressed concerns about the cost savings, whether the environmental impacts of the road had been sufficiently considered, and whether all route alternatives had been sufficiently explored.

In its response, DOE said the project was not based on economic benefits alone but would provide economic benefits in the form of cost and risk avoidance, which DOE said was difficult to quantify. DOE said that every effort had been made to mitigate impacts to sensitive resources. DOE did not respond directly to the question about exploring all route options.

TSCAI Public Health Assessment

In April 2005, the Agency for Toxic Substances and Disease Registry issued a public health assessment of the Toxic Substances Control Act Incinerator (TSCAI), addressing the public health implications of environmental releases from the incinerator. The study concluded that the incinerator releases trace levels of contaminants into the environment but in amounts well below levels associated with ill-health effects.

The Board endorsed the report but had some questions. In addition to several comments, the Board recommended that the report results be reviewed in the future against any new information from performance tests and risk assessments. It also recommended that continuous stack sampling and emission monitoring continue and that the results be used to provide assurance of proper emission controls.

The final health assessment contains a response to comments.

National Stakeholder Waste Disposition Workshop

At a joint meeting, the nine SSABs nationwide proposed a national waste disposition workshop in November 2004. In April 2005 DOE responded by saying that a “broad new national forum would not be the best use of EM’s resources...” In May 2005, the SSABs recommended the workshop again. The proposal suggested the workshop answer three questions: Where is the waste? What are DOE’s disposition plans for the waste streams? What are the barriers for implementing these disposition plans? To date, no firm plans are in place for a waste disposition workshop.

Standardized Language in DOE Notices of Contamination

Because residual contamination will remain in place following completion of cleanup activities, long-term stewardship will be necessary to preserve engineering integrity of controls and long-term protection of human health and the environment. One crucial element is the preservation of information that these hazardous areas exist, what they comprise, and what precautions must be taken if these waste storage facilities are ever unknowingly breached.

To ensure the uniformity of nomenclature necessary to obtain successful and complete

searches in the computer systems of the City of Oak Ridge, Anderson County, Roane County, and Tennessee State Parcel Mapping System, the Board recommended that DOE institute use of a cover letter for the transmittal of environmental notices to the registrars of deeds and property assessors, submit to the City of Oak Ridge as the “local land use authority” the information required by the several federal and state laws pertaining to contaminated land, and initiate quality assurance procedures for the city, county, and state systems involved.

No response has been received to date.

Establishing Local Boards and Mechanisms for National Meetings

DOE established the EM SSABs in the early 1990s to provide recommendations on cleanup of DOE sites. Beginning in 2006, some of the sites will be closed and transitioned to other offices, primarily the DOE Office Legacy Management. Because the Chairs felt those transfers would diminish their ability to address common issues and effectively communicate with stakeholders at the closure sites, they recommended that the Secretary of Energy direct offices at former EM sites to establish local advisory boards similar to those that currently exist. The Chairs also recommended a mechanism whereby advisory boards, regardless of their affiliation within DOE, could continue to meet regularly to discuss common issues.

In July 2005, Charlie Anderson, Principal Deputy Assistant Secretary for EM, responded by saying the recommendations were out of the scope of charters of the EM SSABs. But he said that Legacy Management had been directed by Congress to implement Local Stakeholder Organizations at Rocky Flats and Fernald. Legacy Management has drafted public involvement plans, which define how it will conduct public participation at sites with no future DOE missions. (Oak Ridge is an ongoing mission site.)

The Year's Top News

DOE Plans to Keep TSCA Incinerator Operational Longer

In January 2005 it was announced that TSCAI would operate past its original closure date of 2006.

Steve McCracken, DOE's Assistant Manager for EM, said he had received instructions from DOE-Headquarters to extend operation of the incinerator for two to three more years to address PCB wastes from other DOE sites.

BJC Fined for Accidents

In August 2005 DOE issued a preliminary Notice of Violation and proposed a civil penalty of \$247,500 against Bechtel Jacobs Company (BJC) for two industrial accidents that occurred in 2004. BJC is DOE's prime cleanup contractor for the ORR.

The fines resulted from a strontium-90 spill onto Highway 95 during transport of the material to a treatment facility, and for the exposure of workers to radioactive material at Oak Ridge National Laboratory (ORNL).

Corrective Action Plans Released on Two ORR Incidents

Corrective Action Plans were issued early in 2005 for two incidents that happened within just a few days of each other in May 2004.

DOE-ORO issued a Corrective Action Plan for a sodium fire at ETTP, while BJC issued a Corrective Action Plan to address the causes of a strontium spill on Highway 95.

Construction Begins on New Haul Road

Construction of a haul road to transport waste from ETTP to EMWMF began in March 2005.

The road was originally scheduled to open in the fall but was delayed until January 2006. Construction costs went well over budget, from an estimated \$11-12 million to approximately \$20 million.

Cleanup of Waste Tanks Complete

The last of 42 underground nuclear waste tanks at ORNL were stabilized in March 2005, completing a major project more than a year ahead of schedule at a cost of about \$5 million, roughly half the original projected amount.

The final two tanks, known as T-1 and T-2, were filled with grout and rendered nonthreatening to the environment.

Blair Quarry Cleanup Project Completed in February 2005

More than 15,000 tons of contaminated soil and debris were removed and disposed from Blair Quarry, a former waste disposal site adjacent to ETTP.

Excavated soil and debris were disposed at EMWMF, located in Bear Creek Valley near the Y-12 National Security Complex (Y-12).

DOE's TSCA Incinerator Passes Two Key Emissions Tests

Results released in March 2005 from the Maximum Achievable Control Technology performance tests indicated that TSCAI is operating within stringent emission standards set by EPA.

The incinerator is the only one of its kind in the nation licensed to burn waste containing PCBs and radioactive wastes.

Memorandum of Agreement Signed for K-25 Historical Preservation

A Memorandum of Agreement was signed in March 2005 regarding options to help preserve the historical significance of the K-25 building and associated structures at ETTP.

While the long 'legs' of the U-shaped K-25 building will be demolished, the north end of the building will remain. The outside legs of the basement walls will be filled and graded, leaving a 10-foot-high area. The walls will be

used to display historical information, such as large photographs, murals, and plaques.

Landfill Capacity Tripled

Work tripling the capacity of EMWFMF was completed in April 2005. The state-of-the-art landfill, which holds radioactive wastes, was expanded from three disposal cells to four. With the expansion, the facility now has a total disposal capacity of 1.2 million cubic yards. Expansion activities cost \$20 million.

Study Says Historic Discharges from ORNL Not a Public Health Threat

A public health assessment by the Agency for Toxic Substances and Disease Registry concluded that radioactive discharges from ORNL over the last 60 years have not been a health threat.

The report said radionuclides from the ORR that had been released into the Clinch River and Watts Bar Lake do not pose a health hazard to people who live near or use the waterways, although restrictions are in place against dredging sediments.

Property Placed in Conservation Easement

In April 2005 almost 3,000 acres of DOE property were placed in a conservation easement, which will be managed by the Tennessee Wildlife Resources Agency. The property is located in the western end of the ORR near ETTP. The area is available for recreational use by hikers and hunters.

The easement was developed to help offset damages to the Lower Watts Bar Reservoir as a result of contaminated discharges to the lake.

Uranium Hexafluoride Transfers Continued

DOE continued its shipments of uranium hexafluoride containers from ETTP to Portsmouth, Ohio, in 2005. By May more than 3,000 containers had been transferred. The steel containers, weighing 10 to 14 tons apiece, had been stored outdoors for decades.

DOE is constructing a treatment facility in Portsmouth to convert the uranium hexafluoride to a stable form.

City Withdraws Tipping Fee Legislation

In May 2005 the City of Oak Ridge asked the Tennessee legislature to withdraw a bill that would have allowed the city to impose a "tipping fee" on DOE-ORO. The fee would have permitted Oak Ridge to collect as much as \$5 million a year from DOE for allowing storage and disposal of hazardous waste on the ORR. Anderson and Roane counties could have each received as much as \$2 million a year as well. The bill had drawn sharp criticism from many in the community.

Four Buildings at ETTP Transferred

In June 2005 DOE transferred ownership of four office buildings at ETTP to the Community Reuse Organization of East Tennessee, which will lease the buildings to a private-sector business. The buildings—K-1007, K-1225, K-1330, and K-1580—comprise approximately 200,000 square feet.

Plugged Line Slows Molten Salt Reactor Experiment Remediation

Work to remove radioactive fuel salts from the Molten Salt Reactor Experiment storage tanks was suspended in July 2005 until a new drain pipe can be installed.

A line used to drain one of the storage tanks became plugged, and efforts to unclog it failed. Work moved to the other two tanks while the drain pipe is installed in the first.

Energy Secretary Visits

Samuel Bodman made his first visit to Oak Ridge as Energy Secretary in August 2005. During his visit he said DOE's EM program is reviewing a proposal to increase spending for cleanup at the ORR. If approved, the budget would increase by \$1.7 billion over five years and include new projects to complete work ahead of schedule.

Special Events

10th Anniversary Celebration

In September 2005 the Board hosted a 10th anniversary party at the American Museum of Science and Energy. Attending the festivities were many current and former Board members, as well as Doug Frost, DOE's Designated Federal Officer for the nine SSABs; 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.

In the 10 years since ORSSAB was established in 1995, the Board has issued 137 recommendations 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 specific project details. The board has also performed an important function by serving as the focal point for community outreach related to the EM program. ORSSAB members are unpaid volunteers who have devoted thousands of hours of time 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.



Steve McCracken (left), Pat Halsey, and Kerry Trammell at the 10th anniversary celebration.

ORSSAB is currently working with school systems in the area and the University of Tennessee to develop a workshop for teachers on how to use the kit. For more information about the kit, see the Board's web site at www.oakridge.doe.gov/em/ssab.

Museum Exhibit

ORSSAB unveiled its museum 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 media. Speakers included Gerald Boyd, Steve McCracken, David Bradshaw, Kerry Trammell, and Museum Director Steven Stow.

Located on the second floor of the museum, 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 EMWMF in Bear Creek Valley, which provides visitors an idea of the magnitude of the cleanup effort on the reservation. The touch-screen kiosks take visitors on an interactive journey through the cleanup process



Shown left to right at the museum exhibit ribbon-cutting ceremony are Steve McCracken, Gerald Boyd, Kerry Trammell, Steve Stow, Katie Meersman (ORSSAB Student Representative), and David Bradshaw.

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.

2005 Annual Planning Retreat

At the annual retreat on August 13, Board members worked on three primary areas of interest: the process of developing and submitting recommendations to DOE, shortening the amount of time it takes for new members to contribute effectively, and committee structure and member participation.

The group settled on those topics after hearing the results of a survey facilitator Catherine Whitworth conducted with current and former Board members. Her interviews gathered information about the Board and committee structure and presentations,



Facilitator Catherine Whitworth leads a small group discussion at the 2005 annual planning retreat.

member participation and workload, goals and expectations, access to people and materials, and how disagreements are handled during meetings.

After the morning work session, the afternoon consisted of annual reports by committee Chairs. The Board finished its retreat by reviewing issues suggested for consideration by DOE, EPA, and TDEC. Those issues were assigned to either the Stewardship or EM committees.

Presentation at the American Nuclear Society Conference

On August 9, 2005, ORSSAB member Ben Adams presented a paper at the American Nuclear Society's Decontamination, Decommissioning and Reutilization Conference in Denver, Colorado. ORSSAB member Donna Campbell, who was the Vice Chair of the ORSSAB Stewardship Committee, attended the conference as well.

Adams' presentation outlined a recommendation ORSSAB made to DOE in July to standardize language in documents placed in county land records when contaminated waste sites are closed or transferred from DOE ownership (see the "Key Issues" section).

The paper, entitled "Two Counties, One City: Long-term Stewardship Information for Anderson County, Roane County, and the City of Oak Ridge, Tennessee," was coauthored by

Adams and Al Brooks, a long-time member of the ORSSAB Stewardship Committee.

Committees

Board Finance

This committee has overall responsibility for budget prioritization for the Board. With the approval of the Executive Committee and in accordance with ORSSAB Bylaws, the Board Finance Committee sets budget targets for each type of expenditure, proposes general budget guidance, determines funding availability for travel requests, and reviews monthly costs.

FY 2005 members: Dave Mosby (Chair), Kerry Trammell (Vice Chair), Norman Mulvenon, Christopher Smith.

Board Process

The committee reviews the ORSSAB Bylaws, Special Rules of Order, and Standing Rules; Board meeting structure; standards and formats for submitting recommendations and comments to DOE; new member training; retreat planning; and processes for preparing the Board work plan.

FY 2005 members: Rhonda Bogard (Chair), Dave Mosby (Vice Chair), Norman Mulvenon, Kerry Trammell.

Environmental Management

The mission of the 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.

FY 2005 members: Luther Gibson (Chair), Dave Mosby (Vice Chair), Dick Berry, Rhonda Bogard, Amy DeMint, Pat Hill, John Kennerly, Bob McLeod, James Miller, John Million, Norman Mulvenon, Tim Myrick, Sandy Reagan, Kerry Trammell.

Executive

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 authority to set Board agendas, coordinate the work of the committees, and transact business as may be necessary between regular Board meetings.

FY 2005 members: Kerry Trammell (Chair), Bob McLeod (Vice Chair), Rhonda Bogard (Secretary), Ben Adams, Luther Gibson, Dave Mosby, Norman Mulvenon.

Public Outreach

The Public Outreach Committee is responsible for finding ways to educate and inform the public about the EM Program and ORSSAB's mission and accomplishments. It does that through publications, presentations, briefings, displays, and exhibits.

FY 2005 members: Norman Mulvenon (Chair), Heather Cothron (Vice Chair), Ben Adams, Donna Campbell, Steve Dixon.

Stewardship

The goal of the committee is to serve as a forum for discussion of topics relevant to the long-term stewardship of the ORR and to act as a liaison between DOE and the community at large. This latter aspect is becoming increasingly important as the committee also acts as a *pro tem* Citizen's Board for Stewardship until such time as DOE appoints a formal board.

FY 2005 members: Ben Adams (Chair), Donna Campbell (Vice Chair), Heather Cothron, Stephanie Jernigan, Zach Ludwig, Katie Meersman, James Miller, John Million, Norman Mulvenon, Chris Smith.

Public Outreach

The goal of ORSSAB public outreach is to achieve the Board's mission as it relates to community involvement. To do this, ORSSAB invites public participation in a variety of Board activities.



Amy DeMint at the Secret City Festival on June 18, 2005.

Meetings/Presentations

- Notices are placed in the *Oak Ridger* and *Oak Ridge Observer* to inform the public of monthly Board and committee meetings.
- Monthly Board meetings begin with a relevant EM-related presentation. This portion of the meeting is subsequently broadcast on local public access cable stations.

Publications/Reports/Presentations

- The ORSSAB annual report is prepared and distributed to state legislators, government agencies, local media, and organizations to summarize annual Board activities and promote awareness of the Board's mission.



Norman Mulvenon gives a presentation about the Board to students at Anderson County High on April 14, 2005.

- The Board's *Advocate* newsletter is distributed quarterly to inform stakeholders about recent Board activities and EM cleanup issues.
- Presentations are made by Board members to local civic, educational, and government organizations to inform the public about the Board and DOE cleanup activities.

Special Events/Exhibits/Internet

- Members represent the Board at events such as festivals and expos, where information brochures and ORSSAB logo items are distributed to interested individuals.
- Educational materials, including teacher resources, are prepared to aid public understanding of cleanup and post-cleanup issues.
- Board members initiated, designed, and helped prepare the joint ORSSAB/EM interactive display at the American Museum of Science and Energy.



Board members Donna Campbell (right) and Rhonda Bogard discuss EM issues with a member of the public at the Y-12 Safety Expo, held June 22, 2005.

- Board members participate in high-profile awareness events, such as the teacher's workshop on the ORSSAB Stewardship Education Resource Kit, and plan new ways to reach out to the community with events such as an Oak Ridge Reservation bike ride.
- A toll free number (1-800-382-6938) and Internet site (www.oakridge.doe.gov/em/ssab) provide avenues for information about the Board.

Board Meetings

September 8, 2004

Dave Adler, DOE Ex Officio member of the Board, provided the presentation on the proposed haul road to transport waste from the cleanup project at ETTP to EMWMF. The Board later submitted a recommendation to DOE concerning the road (see the "Key Issues" section).

October 13, 2004

Dynamic verification strategy for ETTP Zone 1 was the program presented by Ken Skinner of BJC. He explained the process to determine if cleanup work at ETTP is properly achieved.

November 11, 2004

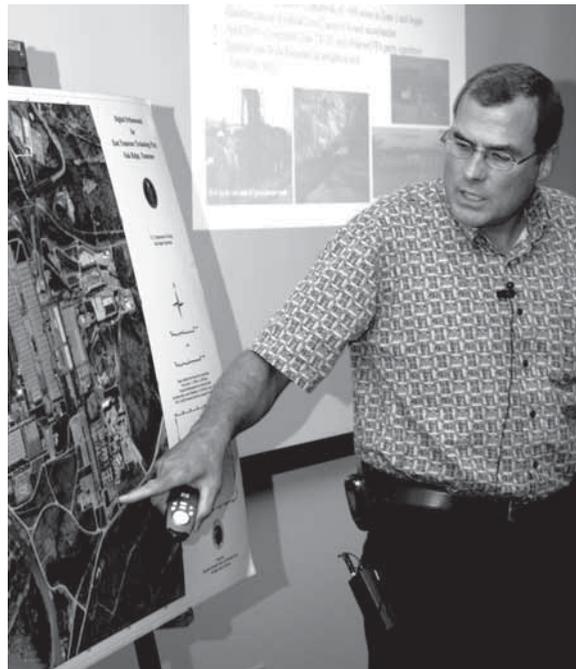
Mike Hughes, President of BJC, gave an update on the EM program on the ORR. His discussion included the scope and milestones associated with the DOE Accelerated Cleanup Program.

December 8, 2004

The Board heard two presentations at the December meeting. First, Dave Adler gave a progress report on cleanup work being done at the David Witherspoon site in South Knoxville.



Mildred Ferré, DOE Balance of Reservation Project Manager, gives a status update at the July 13, 2005, Board meeting.



Jim Kopotic, DOE Team Lead for the ETTP Remediation and Waste Management Team, discusses project details at the July 13, 2005, Board meeting.

The second presentation was by Steve McCracken, Assistant Manager for EM, concerning end use of ETTP after cleanup is complete. He showed overheads of reindustrialization of the site and artists' renditions of historical preservation plans.

January 12, 2005

Joan Hughes of UT-Battelle presented the main findings of the FY 2003 Annual Site Environmental Report for the ORR.

February 9, 2005

The proposed transfer of responsibility for newly generated waste at Y-12 and ORNL was the presentation by Harvey Rice of DOE-ORO.

March 9, 2005

Waste disposition challenges on the ORR was presented by Dave Adler. He said the primary issue was the large quantity of legacy low-level

waste. Disposition of the legacy waste was a major milestone in the cleanup of ORR. It was successfully achieved in September 2005.

April 13, 2005

Dave Adler provided an overview of the Comprehensive Environmental Response, Compensation, and Liability Act documentation required to complete cleanup of a National Priorities List site. He explained what each document was, including the Remedial Investigation/Feasibility Study, the Proposed Plan, and the Record of Decision.

May 11, 2005

Board member Norman Mulvenon talked about the Stewardship Education Resource Kit, why it was developed, its history and background, and the goals for its use.

June 8, 2005

Two presentations were made at the June Board meeting. First, Steve McCracken talked about the proposed Integrated Facility Disposition Plan, which would transfer a number of facilities no longer needed at Y-12 and ORNL to DOE's EM Program. Greg Eidam of BJC followed with a discussion of K-25/K-27 decontamination and decommissioning activities.

July 13, 2005

The July program was a three-part update on ORR cleanup progress. Ralph Skinner, DOE, talked about Melton Valley. Bill Cahill and Jim Kopotic, DOE, discussed ETTP. Mildred Ferré, DOE, talked about the Balance of the Reservation Closure Project, which covers off-site areas, such as the David Witherspoon sites.

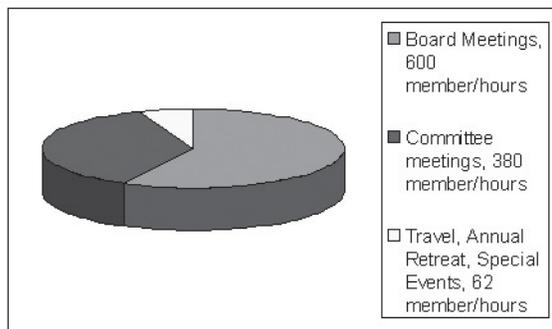
August 13, 2005

Officers for FY 2006 were elected at the August meeting, which was held immediately after the annual retreat at Pollard Auditorium on the campus of Oak Ridge Associated Universities. Kerry Trammell was re-elected Chair. Rhonda Bogard was elected Vice Chair, and Sandy Reagan was elected Secretary.



Greg Eidam, K-25/K-27 D&D Project Manager for BJC, gives a progress report at the June 8, 2005, Board meeting.

Service Hours Contributed to DOE by ORSSAB Members



This graphic shows that ORSSAB members spent over 1,000 hours in FY 2005 achieving the Board's mission of providing informed advice and recommendations to DOE. This figure does not include time spent away from meetings writing recommendations and studying DOE-related materials. All Board members and student representatives serve on a volunteer basis, without compensation.

Members



FY 2005 members, ex officios, and students. Seated, left to right: Steve Douglas, Ben Adams, Kerry Trammell, Chris Grove, Pat Halsey (Federal Coordinator). Second row, left to right: Tonya Justice (Student Representative), Linda Grandage, Connie Jones (EPA Ex Officio), Rhonda Bogard, Meredith James (Student Representative), Pat Hill, Norman Mulvenon, Donna Campbell, Lance Mezga, Darryl Bonner. Third row, left to right: John Owsley (TDEC Ex Officio), Dave Adler (DOE Ex Officio), Steve Dixon, Bob Olson, Ken Sadler. Not pictured: Heather Cothron, Steve McCracken (Deputy Designated Federal Official), James Miller, Tim Myrick, Sandy Reagan.

Ben Adams is a registered professional engineer, landscape architect, and land surveyor. He is employed by ACHW, Inc. Ben lives in Oak Ridge and is a member and past Chairman of the East Tennessee Economic Council.

Dick Berry is the former Chairman and CEO of Rembco Geotechnical Contractors. He is a member of the American Society of Civil Engineers and the American Institute of Chemical Engineers. Dick is resident of Lenoir City.

Rhonda Bogard is Manager of RADCON Dosimetry and Records for BWXT Y-12. An Oak Ridge resident, she is involved with various hiking clubs and Jewish community activities.

Darryl Bonner is employed by BJC as the Emergency Management Task Lead. He is an engineer with experience in facility management, pollution prevention, and industrial hygiene. Darryl resides in Oak Ridge.

Donna Campbell is a librarian for Tetra Tech EC in Oak Ridge. She is also an instructor at Mount Piscah Christian Academy, she teaches 3rd grade Sunday school, and she volunteers with local public libraries. Donna lives in Harriman.

Heather Cothron is employed by SAIC as an engineer at ORNL. She is a Registered Environmental Manager, with a focus on environmentally preferable products and systems. Heather is a resident of Oliver Springs.

Amy DeMint works as a metallurgical engineer in the BWXT Y-12 Technology Development Organization, focusing primarily on processing uranium metal. She lives in Kingston.

Steve Dixon is the owner of Spectra Environmental Group and has worked as the Director of Management for the Metro Knoxville Airport Authority and as the Finance Director for the Knoxville Community Development Corp. Steve is a Louisville resident.

Steve Douglas is the Senior Environmental Compliance Specialist for CDM Federal Services in Oak Ridge and a Reserve Commissioned Officer in the U.S. Coast Guard. Steve lives in Oak Ridge.

Luther Gibson, Jr., works in the BWXT Y-12 Analytical Chemistry Organization and has worked for DOE contractors for 27 years on environmental technologies. Luther resides in Roane County.



ORSSAB Federal Coordinator Pat Halsey (left) helps show off the cake presented to retiring Board member Amy DeMint at the October 12, 2005, Board meeting.

Linda Grandage is retired from the U.S. State Department Passport Agency. She has also provided volunteer services to the Habitat for Humanity of Anderson County. Linda is a resident of Knoxville.

Chris Grove is the Executive Director of Community Network Services in Knoxville, a non-profit organization dedicated to providing professional services to individuals with developmental disabilities. Chris lives in Knoxville.

Pat Hill is an artist and teacher who has worked as an art director for the Boys & Girls Clubs of Knoxville and as a graphic artist at the *Knoxville News-Sentinel*. Pat resides in Knoxville.

Meredith James is an ORSSAB student representative from Oak Ridge High School for the term

May 2005–April 2006. She serves as president of the Model UN Club and Interact Community Service Club.

Stephanie Jernigan is an ORSSAB student representative from Oak Ridge High School for the term May 2004–April 2005. She is a member of the high school orchestra and has studied violin for 8 years.

Wade Johnson is the Manager of the Business and Industry Center for Roane State Community College, where he provides client companies with professional organizational development and training programs. Wade lives in Clinton.

Tonya Justice is an ORSSAB student representative from Anderson County High School for the term May 2005–April 2006. She is a member of the National Honor Society and Fellowship of Christian Athletes.

John Kennerly is a retired chemical engineer who worked for Lockheed Martin Energy Systems. He is a member of the Sierra Club and the American Institute of Chemical Engineers. John is a Knoxville resident.

Zach Ludwig is an ORSSAB student representative from Karns High School for the term May 2004–April 2005. He has served as a member of the Karns Academic Team and the Future Business Leaders of America.

Bob McLeod is a Registered Professional Engineer and Registered Professional Geologist who has managed numerous DOE projects. Robert resides in Oak Ridge.

Katie Meersman is an ORSSAB student representative from Oak Ridge High School for the term May 2004–April 2005. She is a member of the National Honor Society and the Key Club.

Lance Mezga lives in Knoxville and is employed by UT-Battelle as the Project Manager for Environmental Integration for New Facilities

Development at ORNL. He has over 30 years experience in environmental and waste management.



Steve McCracken (left) presents a service award to retiring member Luther Gibson at the July 2005 Board meeting.

James Miller is a manager with BNG America in Oak Ridge. He is a certified National Registry Radiation Protection Technologist and has over 18 years experience working with DOE projects. James is a Knoxville resident.

John Million is retired chemist who worked

at the K-25 site, now known as ETTP. A resident of Oak Ridge, John is a member of the Woodland Neighborhood Association, which is in close proximity to Y-12.

David Mosby is a project manager at BWXT Y-12, where he manages engineering and construction projects at the Oak Ridge Y-12 Plant. He was ORSSAB Chair in FYs 2003 and 2004. Dave is an Oak Ridge resident.

Norman Mulvenon lives in Oak Ridge and is retired from EG&G ORTEC, where he held a series of positions in marketing and sales. He is the current Chairman of the Citizens Advisory Panel of the Local Oversight Committee.

Tim Myrick is the former Director of Facilities Strategic Planning for UT-Battelle. He has also worked in the environmental restoration and

waste management fields. Tim is a resident of Powell.

Bob Olson is a retired nuclear engineer who lives in Clinton. He worked at the Savannah River Laboratory as an experimental physicist and as a probabilistic risk analyst, and as a nuclear licensing engineer for Sargent and Lundy.

Sandy Reagan is Vice President of EnSafe, Inc., in Knoxville. She holds a State of Tennessee teaching certification for biology, chemistry, physics, and general science, and she is an associate real estate broker. Sandy lives in Maryville.

Ken Sadler is a chemical engineer and is the Manager of Focus Compliance and Validation Services in Knoxville, where he provides consulting services to FDA-regulated industries. Ken resides in Harriman.

Chris Smith lives in Decatur and is a self-employed computer consultant specializing in database and geographical information systems. He is a former foreign service officer and serves on the Meigs County E-911 board.



Retiring members (from left) Dave Mosby, John Million, Bob McLead, and John Kennerly were presented service awards at the June 2005 meeting.

Kerry Trammell works for NHC Healthcare and holds an M.S. degree in health planning and administration. An Oak Ridge resident, he has served two terms on the Oak Ridge Chamber of Commerce.

Abbreviations

BJC	Bechtel Jacobs Company, LLC
DOE	U.S. Department of Energy
DOE-ORO	DOE-Oak Ridge Office
EM	Environmental Management
EMWMF	Environmental Management Waste Management Facility
EPA	U.S. Environmental Protection Agency
ETTP	East Tennessee Technology Park
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
TSCAI	Toxic Substances Control Act Incinerator
Y-12	Y-12 National Security Complex