

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, November 13, 2024, 6 p.m.

The mission of the Oak Ridge Site Specific Advisory Board (ORSSAB) is to provide informed advice and recommendations concerning site specific issues related to the Department of Energy's (DOE's) Environmental Management (EM) Program at the Oak Ridge Reservation. In order to provide unbiased evaluation and recommendations on the cleanup efforts related to the Oak Ridge site, the Board seeks opportunities for input through collaborative dialogue with the communities surrounding the Oak Ridge Reservation, governmental regulators, and other stakeholders.

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PRESENTER BIO

CALENDARS

1. November
2. December (draft)

BOARD BUSINESS

1. Draft October 9, 2024, Full Board Meeting minutes for approval

REPORTS & MEMOS

1. FY 2025 Incoming Correspondence
2. FY 2025 Travel Opportunities

REFERENCE INFORMATION

1. Abbreviations & Acronyms
2. Member Biographies



Oak Ridge Site Specific Advisory Board
Wednesday, November 13, 2024, 6:00 p.m.
Hybrid meeting
AGENDA

- I. Welcome and announcements (K. Bartholomew) 6:00–6:05
 - II. Comments from federal and state agency representatives
(J. Mullis, R. Petrie, S. Urquhart-Foster, K. Czartoryski) 6:05–6:10
 - III. Presentation: Processing of U-233 Material (Schaefer/Clemons)..... 6:10–6:30
Issue Group: *Butler, Jones, McCurdy, Sharpe*
– Members, please inform staff if you wish to join this or any other topic on the Work Plan.
Questions regarding the **presentation topic only**..... 6:30–6:45
 - i. Board members
 - ii. Guests – Indicate you wish to speak by standing. Online: use the “raise hand” action in Zoom or type your question in the chat.
 - IV. Public comment period (S. Kimel)..... 6:45–6:55
 - i. Comments on **other topics or concerns** for DOE or the board – Comments previously received to be read into the record.
 - ii. *Comments pertaining to this meeting will continue to be accepted by email to orssab@orem.doe.gov by no later than 5 p.m. EST on **Monday, November 18, 2024.***
 - V. Call for additions & motion to approve agenda (K. Bartholomew)..... 6:55
 - A. Requests for new action items
 - B. Next meeting – 6 p.m. March 12 on Ongoing Efforts to Assure Waste Disposal Capacity
-
- This ends the presentation portion of the meeting – presenters and subject experts may depart*
-
- VI. Board Business (K. Bartholomew) 7:00–7:10
 - A. Vote to Approve Previous Meeting Minutes
 - a. Minutes of October 9, 2024
 - VII. Responses to recommendations & DDFO’s report (R. Petrie) 7:10–7:15
 - VIII. Committee reports..... 7:15–7:20
 - A. Executive (K. Bartholomew)
 - i. Potential holiday gathering Dec. 11
 - ii. Next meeting – February 5
 - B. EM/Stewardship (C. Moore)
 - i. Next meeting – March 26
 - IX. Additions to agenda & closing remarks (K. Bartholomew)..... 7:20–7:30
 - X. Adjourn 7:30

Sarah Schaefer, President and Project Manager, Isotek Systems, LLC

Sarah Schaefer is the President and Project Manager at Isotek Systems, LLC. She was named president in February 2024 and has worked on the U-233 Disposition project for sixteen years, beginning as the Nuclear Facility Manager and progressing to Operations Manager and then to her current role where she is responsible for oversight of Operations, Security, Performance Assurance, Nuclear Safety, and financial performance on the project.

Previously, Sarah was assigned to manage the start-up of the U-233 dissolution and thorium extraction operations in gloveboxes as part of a public/private initiative with DOE.

Sarah has more than 30 years of experience, focusing on safe and compliant commercial waste and nuclear waste disposal operations. She has worked in this capacity for a variety of companies and previously managed DOE's Environmental Management Waste Management Facility (EMWMF) nuclear disposal facility and the Oak Ridge Reservation Landfills.

Sarah has a Bachelor of Science in Civil Engineering from Valparaiso University.



Oak Ridge Site Specific Advisory Board

November

2024

Topic: U-233 Processing

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|---|--|--------|----------|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 Executive Committee meeting – 4 p.m. (virtual) | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 Full Board Meeting – 6 p.m. (hybrid) | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 No EM & Stewardship Committee meeting | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 Thanksgiving Day – Board Offices Closed | 29 | 30 |

For information about attending meetings virtually or in person, please email orssab@orem.doe.gov at least 1 week prior to the scheduled meeting.

ORSSAB Support Office: (865) 241-4583 or 241-4584

DOE Information Center: (865) 241-4780



Oak Ridge Site Specific Advisory Board

December (draft)

2024

No meetings

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-----------|-----------|-----------|---|-----------|-----------|-----------|
| 1 | 2 | 3 | 4 No Executive Committee meeting | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 No Full Board Meeting | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 No EM & Stewardship Committee meeting Christmas Day Board Offices Closed | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

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Many Voices Working for the Community

Oak Ridge Site Specific Advisory Board

Monthly Meeting of the Oak Ridge Site Specific Advisory Board

DRAFT October 9, 2024, Full Board Monthly Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held monthly full board meeting virtually via Zoom and in person at 1 Science.gov Way on Wednesday, October 9, 2024, at 6 p.m. Copies of referenced meeting materials are attached to these minutes. A video of the meeting was made and is available on the board's YouTube site at www.youtube.com/user/ORSSAB/videos.

Members Present

Kris Bartholomew
Mary Butler
Harold Conner, Jr.
Paul Dill
Amy Jones
Thomas McCormick

Harriett McCurdy
Christine Michaels
Charles Moore
Tonya Shannon
Michael Sharpe

Members Absent

Raiyan Bhuiyan¹
Rosario Gonzalez
Noah Keebler¹

Mike Mark¹
Tom Tuck

¹Third consecutive absence

Liaisons, Deputy Designated Federal Officer, and Alternates Present

Erik Olds, DOE Oak Ridge Office of Environmental Management (OREM) Deputy General Manager
Melyssa Noe, ORSSAB Deputy Designated Federal Officer (DDFO), OREM
Roger Petrie, ORSSAB Alternate DDFO, OREM
Kristof Czartoryski, Tennessee Department of Environment and Conservation (TDEC)
Debbie Duren, TDEC

Others Present

Leah Alexander, OREM
Abby Hill, OREM
Shelley Kimel, ORSSAB Staff

Sara McManamy-Johnson, ORSSAB Staff

Five members of the public were present.

Liaison Comments

Mr. Olds – Mr. Olds began the meeting by updating members on recent news within OREM, including ORSSAB successfully hosting the EM SSAB Fall Chairs' Meeting, the recent announcement that Orano USA will be building an enrichment facility – the largest investment in Tennessee history – at the East Tennessee Technology Park (ETTP), the beginning on demolition on Alpha-Two, and additional work completed recently on the Mercury Treatment Facility (MTF) sludge tanks. Additionally, he said TerraPower – the company receiving isotopes extracted as part of the U-233 Disposition Project – recently announced they are now producing isotopes at a commercial scale.

Mr. Roger Petrie – None.

Mr. Czartoryski – None.

Presentation

Mr. Bartholomew introduced TDEC's Debbie Duren to present on the Natural Resource Damage Assessment and Restoration (NRDAR).

Ms. Duren opened her presentation by giving background information on the Natural Resource Damage Assessment (NRDA). She said the NRDA assessed how contamination released from the Oak Ridge Reservation (ORR) has negatively impacted natural resources and resource services, such as fish, wildlife, surface water, sediment, soil, groundwater, nutrient cycling, provision of habitat, recreational fishing, and drinking water. She said the goal of NRDA is to restore natural resources equivalent to what was lost. Under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), NRDAs are conducted by government officials – Federal or State governments and/or Indian Tribes – designated to act as trustees to bring claims on behalf of the public for the restoration of injured natural resources. Trustees for the ORR are TDEC, the Tennessee Valley Authority (TVA), DOE, and the U.S. Department of the Interior, U.S. Fish and Wildlife Service (USFWS).

Next, Ms. Duren described the differences between NRDA and cleanup remedies. She said the goal of a cleanup remedy is to reduce or eliminate present and future threats to human health or environment from release of hazardous substances and are often directed at substance itself and risk of exposure. These remedies, though, may not eliminate natural resource injuries caused by exposure. NRDA aims to restore natural resources to their baseline condition, which is the condition that would have existed without the release of hazardous substances, and it is estimated over time, including past, present, and future.

She said natural resource damage (NRD) is not “second clean-up,” lost tax revenue, lost property value, or stigma damage. Excluding the first example, those may be real damages but would need to be brought under a different legal cause of action.

Next, Ms. Duren gave a description of the history of the NRDA on the ORR and a timeline with the

specific areas addressed, followed by a summary of the process trustees used in the ORR assessment and a summary of the findings, as well as a link to the full report of the findings.

She said these findings were then used to move to the next step, restoration. The State of Tennessee and DOE signed an Administrative Order on Consent with USFWS and TVA concurrence on July 8, 2024. It provides \$42 million to compensate for natural resource losses, with about 50 percent funded through repurposing a perpetual care fund for the Environmental Management Waste Management Facility (EMWMF), the existing CERCLA landfill at the ORR, and about 50 percent paid by DOE. Trustees will oversee use of the \$42 million to select and fund resource and resource use-based projects.

She then described examples of the types of projects that would be funded and some of the specific criteria trustees will use when awarding grants.

Ms. Duren closed her presentation with some of the next steps for the restoration grant program, including information on TDEC's Grant Management System (GMS), where grant applications will be accepted.

Board members asked the following questions:

- Ms. Michaels asked when grant proposals will start being accepted.
 - Ms. Duren said possibly in November. She encouraged anyone waiting for the GMS to become available to go to the website and view a tutorial to get familiar with it.
- Ms. McCurdy asked how the baseline condition is identified.
 - Ms. Duren said CERCLA defines baseline as the condition before the release, however for releases before 1980, 1980 will be defined as the beginning point because that was the year CERCLA was enacted.
- Mr. Bartholomew asked if there would ever be a re-evaluation beyond the \$42 million agreement.
 - Ms. Duren said this should be the final amount unless there is something else that happens that was not covered by this settlement, which addresses historical releases.
- Ms. Butler asked if local government officials are aware of the NRDA agreement.
 - Ms. Duren said they are very aware of it.
- Ms. McCurdy asked who or what entities can apply for the grants.
 - Ms. Duren said eligible entities are listed in the Restoration Project Selection Procedure (RPSP) document, which is available on TDEC's website under the NRDA press release. She said it is very inclusive of both public and private organizations.

- Ms. McCurdy asked who or what entities can apply for the grants.
 - Ms. Duren said eligible entities are listed in the Restoration Project Selection Procedure (RPSP) document, which is available on TDEC's website under the NRDA press release. She said it is very inclusive of both public and private organizations.
- Mr. Conner asked for additional information on the process for finding projects and obtaining funding for a project.
 - Ms. Duren said the RPSP outlines the types of projects being sought and the required process, and planned workshops will address additional information about that grant application process.
- Mr. Conner asked what the timeline is for the grant application and funding process.
 - Ms. Duren said she expects the GMS to open in November and will likely remain open for 60 to 90 days to receive proposals. She said she expects first grant contracts could be issued by July 2025.
- Mr. Czartoryski asked date was used to calculate the settlement agreement and from which date would be a starting date for any additional damages.
 - Ms. Duren said the dates used were the CERCLA enactment date of 1980 and the date the NRDA agreement was signed, which was July 8, 2024.
- Ms. Butler asked how the grant awardee will be held accountable that the money was spent the way it was supposed to be spent.
 - Ms. Duren said accountability will be built into the grant contract, with specific scopes of work and deliverables.

Public Questions

- Mr. Doug Colclasure asked who are some of the ORR trustees.
 - Ms. Duren said Mr. Petrie is the DOE representative, Steve Alexander is the representative for USFWS, and Skip Markham is the representative for TVA.
- Mr. Luther Gibson asked if future damage assessments were possible.
 - Ms. Duren said this assessment is done, unless there is another release in the future.

Public Comment

- Public Comment #1 – Mr. Luther Gibson shared comments and suggestions regarding incoming correspondence for the board and specific reports that may be of interest. (See attached)
- Public Comment #2 – Mr. Doug Colclasure shared comments about the Wheat Community,

conservation areas, and greenway trails.

Board Business/Motions

- Ms. Noe introduced the current slate of officer candidates and asked for any additional nominations. The candidate for Chair was Amy Jones; the candidate for Vice Chair was Kris Bartholomew; the candidate for Secretary was Harriett McCurdy.

Ms. Noe asked for a motion to approve the slate of candidates.

- **10.9.24.1** Motion made by Ms. Butler and seconded by Ms. Jones. Motion passed.
- Ms. Jones asked for a motion to approve meeting minutes for the June monthly meeting.
 - **10.9.24.2** Motion to approve the June 12, 2024, meeting minutes. Motion made by Mr. Moore and seconded by Ms. Butler. Motion passed.
- Ms. Jones asked for a motion to approve meeting minutes for the August 14, 2024, Annual Planning Meeting.
 - **10.9.24.3** Motion to approve the August 14, 2024, Annual Planning Meeting minutes. Motion made by Ms. Butler and seconded by Mr. Bartholomew. Motion passed.

Responses to Recommendations & DDFO Report

Ms. Noe said there were no open recommendations. She added that members' packets included a draft work plan that will be the topic schedule for the following year. She asked members to review the work plan and decide which issue groups they would like to participate on and notify staff.

Committee Reports

Executive – Ms. Jones said the executive committee discussed the recent EM SSAB Chairs' Meeting and upcoming travel. She and Mr. Bartholomew gave members a brief recap of the Chairs' meeting for members unable to attend. Ms. Jones said the next executive committee meeting will be held November 6.

EM & Stewardship – Ms. Butler said the next EM & Stewardship committee meeting will be held in October and members would include the election of the FY 2025 EM & Stewardship Committee Chair and Co-chair.

Additions to the Agenda & Open Discussion

None.

Action Items

None

The meeting adjourned at 7:10 p.m.

I certify that these minutes are an accurate account of the October 9, 2024, meeting of the Oak Ridge Site Specific Advisory Board.

Amy Jones, Chair

Harriett McCurdy, Secretary

November 13, 2024

Oak Ridge Site Specific Advisory Board

AJ/sbm



FY 2025 Incoming Correspondence

| # | Date | To | From | Description | DOEIC, Notified board officers of receipt |
|---|-----------|--------------------------------------|-----------------------|--|---|
| 1 | 10/1/2024 | Urquhart-Foster, EPA; Young, TDEC | Henry, Petrie, DOE | Transmittal of the Fiscal Year 2024 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility DOE-OR-01-2968&D2 | DOEIC, Notified board officers of receipt |
| 2 | 10/3/2024 | Hastings, Kairos Power LLC | Petrie, DOE | U.S. Department of Energy Response to Kairos Power LLC Letter Regarding the Groundwater Management Approach for the Hermes Site | DOEIC, Notified board officers of receipt |
| 3 | 10/3/2024 | Petrie, DOE | Young, TDEC | Federal Facility Agreement Milestone Extension Request for Addendum to the Final Zone 1 Re-medial Investigation and Feasibility Study for a Supplemental Ecological Evaluation at the East Tennessee Technology Park, Oak Ridge, Tennessee (RI/FSD3/A1/R1) (DOE/OR/01-2561&D3/A1/R1) | DOEIC, Notified board officers of receipt |
| 4 | 10/4/2024 | Petrie, DOE | Jones, EPA | EPA Approval of DOE Milestone Extension Request for the Addendum to the Zone 1 RI/FS DOE/OR/01-2561&D3/A1/R1 | DOEIC, Notified board officers of receipt |
| 5 | 10/8/2024 | Petrie, DOE | Young, TDEC | TDEC Comments: Federal Facility Agreement Milestone Extension Request for the Remedial Investigation Work Plan (RIWP) for White Wing Scrap Yard (Waste Area Grouping 11), OR (DOE/OR/01-2970&D2) | DOEIC, Notified board officers of receipt |
| 6 | 10/8/2024 | Petrie, DOE | Poe, EPA | EPA Comments: FFA Milestone Extension Request for the RIWP for White Wing Scrap Yard (Waste Area Grouping 11), Oak Ridge, Tennessee (DOE-OR-01-2970&D2) | DOEIC, Notified board officers of receipt |
| 7 | 10/8/2024 | Urquhart-Foster, EPA; Young, TDEC | Daffron & Petrie, DOE | Transmittal of the Remedial Investigation Report for the Molten Salt Reactor Experiment (DOE/OR/01-2956&D1) | DOEIC, Notified board officers of receipt |
| 8 | 10/9/2024 | Urquhart-Foster, EPA; Young, TDEC | Nunz & Petrie, DOE | Transmittal of a Modification to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan (DOE/OR/01-2477 & D4/M1) | DOEIC, Notified board officers of receipt |



FY 2025 Incoming Correspondence

| # | Date | To | From | Description | DOEIC, Notified board officers of receipt |
|----|------------|--------------------------------------|-------------|--|---|
| 9 | 10/16/2024 | Petrie, DOE | Young, TDEC | TDEC Comment Letter Addendum to the RAWP for the Y-12 Facilities D&D Project, Oak Ridge, Tennessee. A15 - Demolition of Steam Plant Complex Ancillary Facility 9616-9 (DOE-OR-01-2479&D1-A15-R1) | DOEIC, Notified board officers of receipt |
| 10 | 10/18/2024 | Petrie, DOE | Young, TDEC | TDEC Comment Letter for Action Memorandum for North Tributary-8 at the Y-12 National Security Complex Bear Creek Burial Grounds (DOE-OR-01-2986&D1) | DOEIC, Notified board officers of receipt |
| 11 | 10/21/2024 | Urquhart-Foster, EPA; Young, TDEC | Petrie, DOE | Federal Facility Agreement Milestone Extension Request for the Transmittal of the 2024 Remediation Effectiveness Report for the U. S. Department of Energy Oak Ridge Site (DOE/OR/01-2960&D2) | DOEIC, Notified board officers of receipt |
| 12 | 10/24/2024 | Petrie, DOE | Young, TDEC | TDEC Concurrence Addendum to the Remedial Design Report for the Construction of the East Tennessee Technology Park to Environmental Management Waste Management Facility ETP-EMWMF Haul Road on the Oak Ridge Reservation, Oak Ridge, Tennessee Haul Road Reroute DOE-OR-01-2228&D1-A2 | DOEIC, Notified board officers of receipt |
| 13 | 10/24/2024 | Petrie, DOE | Dawson, EPA | EPA comment on DOE Action Memorandum for North Tributary-8 at the Y-12 National Security Complex Bear Creek Burial Grounds, Oak Ridge, Tennessee DOE-OR-012986&D1 | DOEIC, Notified board officers of receipt |
| 14 | 10/24/2024 | Petrie, DOE | Sayer, EPA | EPA has completed review of the Addendum to the Remedial Design Report for the Construction of the East Tennessee Technology Park to Environmental Management Waste Management Facility (ETP-EMWMF) Haul Road on the Oak Ridge Reservation, Oak Ridge, Tennessee: Haul Road Reroute (DOE/OR/01-2228&D1/A2) | DOEIC, Notified board officers of receipt |



FY 2025 Incoming Correspondence

| # | Date | To | From | Description | DOEIC, Notified board officers of receipt |
|----|------------|--------------|-----------------------------|---|---|
| 15 | 10/25/2024 | Petrie, DOE | Young, TDEC | Federal Facility Agreement Milestone Extension Request for the Transmittal of the 2024 Remediation Effectiveness Report for the U.S. Department of Energy Oak Ridge Site (DOE/OR/01-2960&D2) | DOEIC, Notified board officers of receipt |
| 16 | 10/28/2024 | Petrie, DOE | Young, TDEC | TDEC Comment Letter for the ESDs for the ROD for Phase II Interim Remedial Actions for Contaminated Soils and Scrapyard in UEFPC, Addition of EUs 15, 16, and 17 (DOE-OR-01-2979&D1) | DOEIC, Notified board officers of receipt |
| 17 | 10/28/2024 | Smolens, DOE | Awasthi & Czartoryski, TDEC | TDEC Approval: Request for Addition of 25 Mixed Waste Containers to Table 3.6 of the Site Treatment Plan (STP) for Mixed Wastes on the U.S. Department of Energy (DOE) Oak Ridge Reservation (ORR) | DOEIC, Notified board officers of receipt |
| 18 | 10/28/2024 | Petrie, DOE | Poe, EPA | EPA Approval on the Waste Handling Plan for the Demolition of Building 9720-17 at the Y-12 National Security Complex Oak Ridge, Tennessee DOE-OR-01-2961&D1 | DOEIC, Notified board officers of receipt |
| 19 | 10/29/2024 | Petrie, DOE | Young, TDEC | TDEC Request: Federal Facility Agreement Review Extension (October 29, 2024) for the Fiscal Year 2024 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility (DOE/OR/01-2968&D2) | DOEIC, Notified board officers of receipt |
| 20 | 10/30/2024 | Petrie, DOE | Young, TDEC | Transmittal of Addendum to the Remedial Design Report/Remedial Action Work Plan for the Decontamination and Decommissioning of Non-Reactor Facilities in Bethel Valley at the Oak Ridge National Laboratory, Oak Ridge, Tennessee PreDemolition and Demolition of Building 3544, Process Waste Treatment Plant, and Adjacent Facilities, Buildings 3518 and 3594 DOE-OR-01-2428&D2-A13-R1 | DOEIC, Notified board officers of receipt |



FY 2025 Incoming Correspondence

| # | Date | To | From | Description | DOEIC, Notified board officers of receipt |
|----|------------|-----------------------------------|--------------------|---|---|
| 21 | 10/30/2024 | Petrie, DOE | Young, TDEC | DOE Submittal of Proposed Changes to the Federal Facility Agreement for the Oak Ridge Reservation: Appendix C, Oak Ridge Remediation Sites, and Appendix B, Oak Ridge Site Description | DOEIC, Notified board officers of receipt |
| 22 | 10/31/2024 | Urquhart-Foster, EPA; Young, TDEC | Henry, Petrie, DOE | FINAL Federal Facility Agreement Extension Request for the Explanation of Significant Differences for The Record of Decision for The Disposal of Oak Ridge Reservation Comprehensive Environmental Response, Compensation, And Liability Act Of 1980 Waste, Oak Ridge, Tennessee: Clean Water Act (DOE/OR/01-2972&D2) | DOEIC, Notified board officers of receipt |
| 23 | 10/31/2024 | Petrie, DOE | Young, TDEC | TDEC Comments: Modification to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (ETTP RAR CMP) (DOE/OR/01-2477&D4/M1) | DOEIC, Notified board officers of receipt |
| 24 | 11/1/2024 | Petrie, DOE | Dawson, EPA | EPA Approval Letter for the Addendum to RDR/RAWP for D&D of Buildings 3544, 3518, 3594 | DOEIC, Notified board officers of receipt |
| 25 | 11/5/2024 | Petrie, DOE | Young, TDEC | TDEC Approval Letter Waste Handling Plan for the Demolition of Building 9720-17 at the Y-12 National Security Complex Oak Ridge, Tennessee (DOE/OR/01-2961&D1) | DOEIC, Notified board officers of receipt |

Travel Opportunities

| Meeting/Event | Dates | Location | Cost | Additional Info |
|---|--|------------------|-----------------|---|
| FY 2025 | | | | |
| Waste Management Symposium Requests: Bhuiyan*, Moore, Bartholomew^, Jones^ | March 9-13 | Phoenix, AZ | \$1490 by 12/31 | www.wmsym.org |
| National Environmental Justice Conference & Training Requests: Conner, McCurdy, Moore | March 25-27 | Washington, D.C. | NA for gov't | http://thenejc.org |
| 2025 Spring Chairs Meeting <i>Board officers preferred</i> Requests: Jones, Bartholomew, Moore | Week of April 21 | Las Vegas, NV | NA | |
| RadWaste Summit Requests: Moore, Jones^, | June 10-12 | Savannah, GA | \$775 | https://www.exchangemonitor.com/go/radwaste-summit-2025/ |
| DOE National Cleanup Workshop Requests: Moore | TBD September | | | |
| 2025 Fall Chairs Meeting <i>Board officers preferred</i> Requests: Bartholomew, Moore | Week of Oct. 27 | Hanford, WA | | |
| Shaded trips are closed | Due to the complexity of arranging government travel, please indicate your interest as soon as possible. Some events may book up to a year in advance. If more members request to travel than an event will allow, the Executive Committee will choose attendees. | | | |

*Requested previously, could not attend due to space available

^Defer to new attendees if space is limited

Abbreviations/Acronyms List for Environmental Management Projects

AM – action memorandum
ACM – asbestos containing material
ARARs – Applicable or Relevant and Appropriate Requirements
ARRA – American Recovery and Reinvestment Act
BCV – Bear Creek Valley
BG – burial grounds
BV - Bethel Valley
CARAR – Capacity Assurance Remedial Action Report
CART - carbon steel casing dollies
CBFO – Carlsbad Field Office
CERCLA – Comprehensive Environmental Response, Compensation
and Liability Act
CD – critical decision
CH – contact handled
CNF – Central Neutralization Facility
COLEX – column exchange
CS – construction start
CY – calendar year
D&D – decontamination and decommissioning
DARA – Disposal Area Remedial Action
DNAPL – Dense Non-Aqueous Phase Liquids
DOE – Department of Energy
DSA – documented safety analysis
DQO – data quality objective
EE/CA – engineering evaluation/cost analysis
EFPC – East Fork Poplar Creek
EM – environmental management
EMDF – Environmental Management Disposal Facility
EMWMF – Environmental Management Waste Management Facility
EPA – Environmental Protection Agency
EQAB – Environmental Quality Advisory Board
ETTP – East Tennessee Technology Park
EU – exposure unit
EV – earned value
FACA – Federal Advisory Committee Act
FCAP - Facilities Capability Assurance Program
FFA – Federal Facility Agreement
FFS – Focused Feasibility Study
FPD – federal project director
FY – fiscal year
GIS – geographical information system
GW – groundwater

GWTS – groundwater treatability study
HQ – Headquarters
HRE – Homogenous Reactor Experiment
IROD – Interim Record of Decision
ISD - In-Situ Decommissioning
LEFPC – Lower East Fork Poplar Creek
LGWO – Liquid and Gaseous Waste Operations
LLW – low-level waste
MLLW – mixed low-level waste
MSRE – Molten Salt Reactor Experiment
MTF – Mercury Treatment Facility
MV – Melton Valley
NaF – sodium fluoride
NDA – non-destructive assay
NEPA – National Environmental Policy Act
NNSS – Nevada National Security Site (new name of Nevada Test Site, formerly NTS)
NPDES – National Pollutant Discharge Elimination System
NPL – National Priorities List
OR – Oak Ridge
ORGDP – Oak Ridge Gaseous Diffusion Plant
OREIS – Oak Ridge Environmental Information System
OREM – Oak Ridge Office of Environmental Management
ORNL – Oak Ridge National Laboratory
ORO – Oak Ridge Office
OROP - Oak Ridge Oxide Processing
ORR – Oak Ridge Reservation
ORRR – Oak Ridge Research Reactor
ORRS – operational readiness reviews
PaR – trade name of remote manipulator at the Transuranic Waste Processing Center
PCB - polychlorinated biphenyls
PCCR – Phased Construction Completion Report
PM – project manager
PP – Proposed Plan
PPE – Personal Protective Equipment
QAPP – Quality Assurance Project Plan
RA – remedial action
RAR – Remedial Action Report
RAWP – Remedial Action Work Plan
RCRA – Resource Conservation Recovery Act
RDR – Remedial Design Report
RDWP – Remedial Design Work Plan
RER – Remediation Effectiveness Report
RFI – Request for Information

RGRS – Reactive Gas Removal System
RH – remote handled
RI/FS – Remedial Investigation/Feasibility Study
RIWP – Remedial Investigation Work Plan
RmAR – Removal Action Report
RmAWP – Removal Action Work Plan
ROD – Record of Decision
RSE – Remedial Site Evaluation
RUBB – trade name of a temporary, fabric covered enclosure
S&M – surveillance and maintenance
SAP – sampling analysis plan
SEC – Safety and Ecology Corp.
SEP – supplemental environmental project
STP – site treatment plan
SW – surface water
SWSA – solid waste storage area
Tc – technetium
TC – time critical
TDEC – Tennessee Department of Environment and Conservation
TRU – transuranic, an artificially made, radioactive element that has an atomic number higher than uranium in the periodic table
TSCA – Toxic Substances Control Act
TWPC – Transuranic Waste Processing Center
U – uranium
UEFPC – Upper East Fork Poplar Creek
UPF – Uranium Processing Facility
URS/CH2M – (UCOR) DOE's prime cleanup contractor
VOC – volatile organic compound
VPP – Voluntary Protection Plan
WAC – waste acceptance criteria
WEMA – West End Mercury Area (at Y-12)
WHP – Waste Handling Plan
WIPP – Waste Isolation Pilot Plant
WRRP – Water Resources Restoration Program
WWSY – White Wing Scrap Yard
X-10 – Oak Ridge National Laboratory (refers to the original reactor)
Y-12 – Y-12 National Security Complex
ZPR – Zero Power Reactor

ORSSAB

Current Member Biographies

Kris Bartholomew is the owner of Turn Key Plumbing and Construction, a small family-owned business. A high school graduate with some college, Kris has received licensures related to his trade. Those licenses include general contractor and subsurface sewage installer. He is interested in environmental and public health issues. He lives in Lenoir City.

Raiyan Bhuiyan earned a bachelor of science degree in Nuclear Energy Engineering Technology from Thomas Edison State University, where he was a recipient of the Nuclear Regulatory Commission Scholarship. He was also a graduate of the Naval Power School during his time serving in the U.S. Navy and has received certifications in CPR and as an IBM Data Science Professional. Raiyan is interested in environmental and workforce issues. He lives in Oak Ridge.

Mary Butler is a former staff pharmacist with Aurora Pharmacy. She received a bachelor of science in pharmacy from the University of Wisconsin. She retired to Rockwood in 2020 and is eager to engage in the community here as she was previously active in several organizations in her native Wisconsin. Mary is interested in civic and educational issues.

Harold Conner, Jr., is a senior engineering advisor with Strata-G. In this role, he focuses on supporting community outreach, university partnerships, student internships and mentoring. Harold is a former K-25 plant manager, serving from 1968-1996. He has bachelor of science and master of science degrees in Chemical Engineering from the University of Tennessee, Knoxville (UT), where he was the program's first African American graduate in 1968. He received his Ph.D. in Industrial and Systems Engineering from the University of Alabama at Huntsville. He is active in many community organizations including: the UT Knoxville Alumni board; the UT Tickle College of Engineering board; the STEM Scouts board; the American Museum of Science and Energy board; and Strata-G's board. He is a fellow of the American Institute of Chemical Engineers and the American Society for Engineering Management. He is also a lifetime member of the National Society of Black Engineers and the National Organization of Black Chemists and Chemical Engineers. Harold lives in Knoxville and is interested in educational and minority issues.

Paul Dill retired in 2018 as a project manager with Project Enhancement Corp. He received a B.S. in industrial engineering/technology management from Roger Williams University and an M.A. in psychology from Ashford University. Mr. Dill also earned a Master Project Manager certification from the American Academy of Project Management. He is currently an associate member of the American Psychological Association and a member of the Society for Personality and Social Psychology. Mr. Dill lives in Oliver Springs, which includes portions of Anderson, Roane, and Morgan counties. He is interested in environmental and public health issues.

Rosario Gonzalez is a returning board member who served from 2016 through 2018. She recently retired as cafeteria manager of St. Mary's Catholic Church Cafeteria in Oak Ridge. She completed her secondary education in Mexico and received her GED from Pellissippi State. She lives in Oak Ridge and is interested in environmental and minority issues.

Amy Jones is the agency manager for Steve Pyatt Insurance and a licensed agent for Madison Insurance Group, serving as lead agent for their Georgia office and as senior benefits coordinator for their Medicare

division. She is also a real estate agent at Stephenson Realty & Auction. She owned her own business, Double J Enterprises of TN, in Rocky Top, Tennessee, for more than 20 years. Amy is active in a variety of community organizations, including the Anderson County Chamber of Commerce, the Anderson County Headstart Policy Council, the Women's Ministry Banquet at Main Street Baptist, the Anderson County Republican Party, the Tennessee Republican Party, the Order of Amaranth, and the Order of the Eastern Star. She founded Christmas for Rocky Top Kids in 2018. She lives in Briceville and is interested in environmental, economic, and county government issues.

Noah Keebler is a nuclear electronics technician with Ametek, which is a manufacturer of electronic instruments and electromechanical devices. Prior to that he was a radiological instrumentation specialist with Perma-fix Environmental Services. Mr. Keebler received an A.S. in Electrical Engineering from Roane State Community College. He holds a certification in Instrumentation from Ludlum Measurements and several other work-related certifications. Noah has Occupational Safety and Health Administration training, electrical safety experience and radiation worker training and is a member of the East Tennessee Chapter of the Health Physics Society. He has an interest in environmental issues. He lives in Knoxville.

Michael (Mike) Mark is a former first responder and hazmat professional. He earned a high school diploma and has many certifications related to his career. He lives in Harriman and is interested in environmental and economic development issues.

Thomas McCormick is the city manager for the Town of Oliver Springs, which includes portions of Anderson, Roane, and Morgan counties. He received a B.S. in political science from Middle Tennessee State University. He also has numerous certifications from the State of Tennessee, including as a water and wastewater treatment plant operator. He lives in Oliver Springs and is interested in city/county government and environmental issues.

Ann (Harriett) McCurdy retired in 2014 after more than 40 years as a teacher for middle- and high-school students both in the United States and abroad, with a focus on the sciences. Most recently she served as a teacher of science and biology for grades 6-10 at Yangon Academy in Yangon, Myanmar. Prior to that, she taught a variety of science courses and environmental studies courses in China, Morocco, Kuwait, and Ecuador. Harriett received an M.A. in teaching biology and her teaching certificate from Washington University and a B.A. in biology from Earlham College. She is a past president of the Oak Ridge League of Women Voters and a member of Tennessee Citizens for Wilderness Planning, which is dedicated to achieving and perpetuating protection of natural lands and waters by means of public ownership, legislation, or cooperation of the private sector with a focus on the Cumberland and Appalachian regions of Tennessee. Harriett lives in Oak Ridge and is interested in educational and environmental issues.

Christine Michaels is president of the Oak Ridge Chamber of Commerce. She received a bachelor of science in Public Relations from Empire State College and has an Economic Gardening Certification for entrepreneurial economic development and an Institute for Organization Management certification from the U.S. Chamber of Commerce. She is a member of several organizations including: the Anderson County Economic Development Board, Adventure Anderson County (tourism board), Altrusa Foundation Board, Flatwater Tales Storytelling Festival Committee, and the East Tennessee Economic Development Board. She is a Paul Harris Fellow with the Rotary Club. Christine lives in Oak Ridge and is interested in economic development and business issues.

Charles Moore is a source house technician with Mirion Technologies and is pursuing a degree in chemistry from Roane State Community College. He is interested in economic development and environmental issues. He lives in Knoxville.

Tonya Shannon works in accounts payable in the finance department for Morgan County and serves as a funeral director through Service Corp. International. She is also a trustee assistant with the Morgan County Trustee Office. She received an A.S. degree in human services from Jefferson Community College. She is a member of the Tennessee Funeral Directors Association and has insurance licensure from Kaplan Financial Education. Tonya lives in Wartburg and is interested in public health and civic issues.

Michael Sharpe is a SharePoint administrator and performs other technology- and web-based tasks for Oak Ridge Associated Universities, which manages the Oak Ridge Institute for Science and Education for DOE. It provides science, education, workforce development, and health services that include some OREM areas such as decontamination verifications to support cleanup. He received a B.S. in business administration from Tusculum University and an A.S. in computer programming from ITT Technical Institute. He is interested in civic and environmental issues and lives in Lenoir City.

Thomas Tuck is a banking executive with TNBank. He served as president of the bank since 1995 and in March of 2020 transitioned to part-time employment as part of a leadership transition/retirement. He received a B.S. in business and marketing from the University of Tennessee and is a Certified Banker through the School of Banking of the South. He is a member of boards of directors for local organizations including the Oak Ridge Chamber of Commerce, Oak Ridge Heritage & Preservation Association, and the East Tennessee Economic Council. He is a member of the Y-12 Community Relations Council. He is interested in civic issues and economic development. He lives in Knoxville.