

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, November 8, 2023, 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.



Oak Ridge Site Specific Advisory Board
Wednesday, November 8, 2023, 6:00 p.m.
Hybrid meeting
AGENDA

- I. Welcome and announcements (A. Jones) 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: Excess Facilities Risk Reduction Activities
at Y-12 & ORNL (M. Carden, M. Vestal) 6:10–6:40
Issue Group: *Bartholomew, Butler, Conner, Jones, McCurdy, Michaels, Sharpe, Shields*
– Members, please inform staff if you wish to join this or any other topic on the Work Plan.
Questions regarding the **presentation/speaker only**..... 6:40–6:50
 - i. Board members
 - ii. Guests – Indicate you wish to speak by standing. Zoom: use the “raise hand” action or type your question in the chat.
 - IV. Public comment period (S. Kimel)..... 6:50-7:00
 - 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, Nov. 13, 2023.*
 - V. Call for additions & motion to approve agenda (A. Jones)..... 7:00
 - A. Requests for new action items
 - B. Next meeting – 6-7:30 pm February 14 to discuss FY 2026 Budget Development/prioritization
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- This ends the presentation portion of the meeting – presenters and subject experts may depart*
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- VI. Board Business 7:00–7:20
 - A. Election of Board Officers (M. Noe)
 - B. Vote to Approve Previous Meeting Minutes (A. Jones)
 - a. Minutes of August 9, 2023
 - VII. Responses to recommendations & DDFO’s report (M. Noe) 7:20–7:25
 - i. Introduction of FY 2024 Work Plan
 - ii. Issue Groups
 - VIII. Committee reports 7:25–7:30
 - A. EM Stewardship: Next meeting – 6-7 p.m. November 29 for continued discussion on Excess Facilities
 - i. Election of Committee Officers
 - IX. Additions to agenda & closing remarks (A. Jones)..... 7:30
 - X. Adjourn 7:30

CONTENTS

AGENDA

PRESENTER BIOS

CALENDARS

1. November
2. December (draft)

BOARD MINUTES/RECOMMENDATIONS & MOTIONS

1. Draft August 9, 2023 Full Board Meeting minutes for approval

REPORTS & MEMOS

1. FY 2024 ORSSAB Work Plan-Schedule
2. Abbreviations & Acronyms
3. FY 2023-2024 Incoming Correspondence
4. FY 2024 Travel Opportunities
5. Butler Trip Report
6. Michaels Trip Report
7. Member Bios

Presenter Bios

Morgan Carden serves as the Federal Project Manager for the Excess Contaminated Facilities at Y-12 for the Department of Energy's Oak Ridge Office of Environmental Management (OREM).

She oversees the deactivation and demolition of facilities, environmental management, and surveillance and maintenance activities at Y-12. She also has experience overseeing the nuclear operations and maintenance activities at the Oak Ridge National Laboratory (ORNL).

Her career includes 7 years of experience working with the Department of Energy and private sector environmental services companies.

Michael Vestal serves as the Federal Project Manager for ORNL Cleanup for OREM.

He currently manages projects for pre-demolition and demolition of ORNL's excess contaminated facilities and CERCLA investigations of the ORNL Assessment Units and Exposure Units.

His career includes 30 years of experience working in environmental compliance and project oversight, with 6 years with TDEC/DOE-O, 21 years with the Department of the Army, and 3 years with OREM.



Oak Ridge Site Specific Advisory Board

November

2023

Topic: Excess Facilities

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Tour: TBD			1 Executive Committee meeting – 4 p.m. (virtual)	2	3	4
5	6	7	8 Full Board Meeting – 6 p.m. (hybrid)	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23 Offices closed for Thanksgiving	24	25
26	27	28	29 EM & Stewardship Committee meeting – 6 p.m. (hybrid)	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



December (draft)

2023

Topic: None

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6 NO Meeting	7	8	9
10	11	12	13 NO Meeting	14	15	16
17	18	19	20	21	22	23
24	25 Offices closed for Christmas Day	26	27 NO meeting	28	29	30
31						

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Many Voices Working for the Community

Oak Ridge Site Specific Advisory Board

Annual Planning Meeting of the Oak Ridge Site Specific Advisory Board

DRAFT August 9, 2023 Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held its Annual Planning Meeting virtually via Zoom and in person at 1 Science.gov Way on Wednesday, August 9, 2023 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

Atilio Anzellotti
Kris Bartholomew
Mary Butler
Harold Conner, Jr.

Paul Dill
Rosario Gonzalez
Amy Jones
Michelle Lohmann

Mike Mark
Michael Sharpe
Leon Shields
John Tapp

Members Absent

Noah Keebler
Thomas McCormick

Harriett McCurdy
Christine Michaels

Bonnie Shoemaker
Tom Tuck¹

¹Third consecutive absence

Liaisons, Deputy Designated Federal Officer, and Alternates Present

Melyssa Noe, ORSSAB Deputy Designated Federal Officer (DDFO), OREM
Roger Petrie, ORSSAB Alternate DDFO, OREM
Kristof Czartoryski, Tennessee Department of Environment and Conservation (TDEC)
Samantha Urquhart-Foster, EPA

Others Present

Shelley Kimel, ORSSAB Staff
Sara McManamy-Johnson, ORSSAB Staff
Abby Newberry, OREM
Belinda Price, Pro2Serve
Erin Sutton, OREM

Five members of the public were present.

Liaison Comments

Ms. Noe – Ms. Noe welcomed members and guests and took the opportunity to thank retiring members Michelle Lohmann, Leon Shields, Bonnie Shoemaker, and John Tapp. All four members will be exiting the board in October after having completed six years of service, the maximum of three terms allowed by the Federal Advisory Committee Act (FACA). She said that during their service, they have been instrumental in every area of the board: Writing recommendations, interacting with the community, representing the board at national meetings and conferences, and spending endless hours attending and providing leadership at ORSSAB meetings.

Ms. Noe then commended the board on the previous year, noting that the board is back to full strength in membership and has been able to resume the normal meeting schedule.

She then gave members an update on recent activities and accomplishments in OREM, including the recent groundbreaking for the Environmental Management Disposal Facility (EMDF). She said the groundbreaking marks the start of early site prep for the EMDF project.

Next, she said crews continue to make progress at the Oak Ridge National Laboratory (ORNL), where one of OREM's top priorities is the demolition of the Low Intensity Test Reactor in the central campus. That project is scheduled for completion and marks the second reactor taken down in the year.

Additionally, she said the new base of operations for cleanup crews at Y-12 National Security Complex (Y-12) should be completed this summer.

Mr. Czartoryski – No comments.

Ms. Urquhart-Foster – Ms. Urquhart-Foster expressed appreciation for all the effort put in to making this a great work environment.

Presentation

Ms. Jones introduced OREM's Erin Sutton to present on OREM's Program Overview and Updates.

Ms. Sutton opened her presentation by giving background information on the DOE Office of Environmental Management (EM), its history, and its active cleanup sites nationwide. She said Oak Ridge is one of the largest of EM's 15 cleanup sites. She then gave an overview of the Oak Ridge site's key areas – East Tennessee Technology Park (ETTP), formerly named K-25, ORNL, and Y-12 – and their respective roles and histories. Ms. Sutton then discussed OREM's key goals for the respective areas. She said OREM's main focus is protecting human health and the environment while enabling critical Department of Defense (DOD) missions, making clean land available for use, and returning land back to the community to help support the local economy.

Next, Ms. Sutton gave an overview of OREM's recent budgets and impacts on the state and local economies. She said the program produces 42,906 jobs and its economic impact totals \$1.3 billion annually and generates nearly \$400 million in personal income.

Ms. Sutton then discussed notable OREM accomplishments, plus current cleanup work underway and planned in Oak Ridge. She said Oak Ridge was the first site in the world to remove a former uranium enrichment complex, which involved removing nearly 500 structures spanning a total footprint of 13

million square feet. The crews responsible for that accomplishment are now deactivating and demolishing excess contaminated facilities at Y-12 and ORNL, and it's expected that 400 additional structures will be removed from these two areas in the next 20-plus years. She added that at ETTP, DOE's work is transforming the former enrichment site to a multi-use industrial center, a national park, and a conservation area.

Ms. Sutton also told members about EMDF, which she said it is a \$550-million project that will provide a new onsite disposal facility and is essential to maintaining the environmental cleanup momentum. The facility will always comply with all federal and state requirements and will incorporate numerous engineering features into the design to ensure waste is handled in a protective manner.

Other key projects she discussed included demolitions of Beta One, Alpha Two, and Alpha Four; the West End Protection Area Reduction Project; the Outfall 200 Mercury Treatment Facility construction; removal of former research reactors and excess isotope production facilities in ORNL's central campus; uranium processing/disposition; and reindustrialization at ETTP.

Work Plan Topics and Discussion

DOE Topics

OREM's Roger Petrie presented DOE's suggested topics for board focus this year, adding that they are presented in no particular order:

- Excess contaminated facilities risk reduction activities at Y-12 and ORNL
 - Mr. Petrie said excess contaminated facilities risk reduction activities represent a large part of OREM's cleanup activities.
- Ensuring sufficient waste disposal capacity to continue cleanup at Y-12 and ORNL
 - He gave an overview of the existing waste disposal process for the site, including the types of facilities – both onsite and offsite – that receive each type of waste. He then discussed the importance disposal capacity in terms of cleanup work.
- Provide input related to the fiscal year 2026 budget development for OREM
 - He said OREM would like ORSSAB to provide input on what EM-cleanup-specific projects are important for funding.
- Aquatic Ecology Research and Technology Development in East Fork Poplar Creek
 - He said increased understanding of how mercury cycles through the environment helps OREM find a cost-effective and practical solution for removing mercury.
- ETTP Main Plant Groundwater Remedy Selections
 - He said this also applies to the K-31/K33 Area at ETTP. Records of Decision (RODs) for both areas have been submitted to regulators for review and approval, with the ROD for the Main Plant Area being an interim ROD and the one for the K-31/K-33 Area being a final ROD. He said the Main Plant Area project will likely be ongoing for several years.

TDEC Topics

TDEC's Kristof Czartoryski presented TDEC's suggested topics for board focus this year:

- Future disposal for the Environmental Management generated waste
 - Mr. Czartoryski said he would like ORSSAB to provide input on several actions that have to be taken. He said the ROD is just the start; there will be discussions about waste acceptance criteria and public input will be very important.

- ETPP Main Plant Groundwater Remedy Selections
 - He said the K-31/K-33 Area ROD would be a final remedy and the DOE remedy aligns with regulators. The Main Plant Area ROD would be an interim remedy and there is a lot of work to be done and decisions to be made, and TDEC is concerned about a steady budgetary environment for the project to prevent potential delays.
- Excess Facilities Risk Reduction and Decontamination & Decommissioning at ORNL and Y-12 National Security Complex - Mercury treatment and Disposition
 - He said TDEC is concerned about the adequate management and protection of discharges from any mercury removal actions at Y-12. He added that cleanup at Y-12 is being performed under the Removal Action Process, which does not allow regulators to approve or disapprove DOE plans, only to comment.
- Processing and disposition of Transuranic (TRU) waste
 - He said TDEC is concerned about steady funding for treatment and disposal of TRU waste sludge currently being stored in tanks at ORNL. He added that treatment and disposal of this waste do not fall under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) guidelines, so milestones are not comparable to those in other parts of OREM's cleanup program and there are concerns with how it would be prioritized if there were funding reductions.
- Meaningful collaboration around cleanup project (and budget) prioritization and the DOE Budget Development Effort
 - He said TDEC would like ORSSAB to consider getting involved in the project prioritization process earlier, before priorities are already established.

EPA Topics

EPA's Samantha Urquhart-Foster EPA's priorities largely coincide with DOE's topics, with EMDF, groundwater, and mercury as the top three priorities.

Board members asked the following questions:

- Mr. Conner asked how Mr. Czartoryski envisions the board becoming involved in prioritizing projects earlier.
 - Mr. Czartoryski said DOE has lifecycle baselines for the cleanup with milestones established for major points in the cleanup extending out three to five years, and there can be large periods of time between milestones. He said it would be nice to be able to review and evaluate and cooperate on the lifecycle baseline for individual major projects.
- Ms. Butler asked if ORSSAB would be involved in the subset of upcoming decisions regarding EMDF.
 - Mr. Petrie said they can definitely be part of the planned presentation on waste disposal.
- Ms. Butler asked about how DOE, TDEC, and EPA are involved with the TRU waste sludge removal.
 - Mr. Petrie said EPA is not involved with the TRU waste disposal project because it is not

a CERCLA project; it's being conducted under a Resource Conservation and Recovery Act (RCRA) site treatment plan, which is an agreement between the State and DOE. He said the agreement has milestones in it and rules about how waste is characterized and how it will be disposed.

- Mr. Conner asked what flexibility the board has to make midcourse changes to budget recommendations should project priorities changes.
 - Mr. Petrie said the board has flexibility to change what it recommends.
- Mr. Bartholomew asked whether OREM's budget is sufficient to address mercury.
 - Mr. Petrie said the more money OREM has, the more work that can be accomplished. OREM is being extremely successful with the money currently being received, which in turn means more work to do.

Public Comment

- Public Comment #1 – Mr. Luther Gibson shared suggested FY 2024 ORSSAB topics and comments. (See attached)

Board Business/Motions

- Ms. Noe announced upcoming FY 2024 officer vacancies and elections. She said there is currently one person for each position, which is the minimum necessary, however anyone interested in running can submit their name any time through the November meeting, and nominations will also be accepted at the beginning of the November meeting. She said the vote will be held at the beginning of the November meeting, and the candidates selected will take over running the meeting at that time.
- Ms. Butler presented information on Recommendations on Groundwater Remedy Selections in the Main Plant and K-31/K-33 Areas at ETTP.

Mr. Shield asked for a motion to approve the recommendation.

- 8.9.23.1 Motion to approve Recommendations on Groundwater Remedy Selections in the Main Plant and K-31/K-33 Areas at ETTP
Motion made by Mr. Conner and seconded by Ms. Jones. Motion passed.
- Mr. Shields asked for a motion to approve meeting minutes.
 - 8.9.23.2 Motion to approve June 14, 2023 meeting minutes
Motion made by Ms. Jones and seconded by Ms. Butler. Motion passed.

Responses to Recommendations & Alternate DDFO Report

Ms. Noe told members the EM SSAB Chairs meeting is scheduled to be held in Oak Ridge the first

week of October.

Committee Reports

Executive – None.

EM & Stewardship – Mr. Sharpe said the next EM & Stewardship meeting has been scheduled for November 29.

Additions to the Agenda & Open Discussion

Ms. Noe gave members an overview of the work plan process and tentative plans for FY 2024's schedule.

Action Items

None

The meeting adjourned at 7:20 p.m.

I certify that these minutes are an accurate account of the August 9, 2023, meeting of the Oak Ridge Site Specific Advisory Board.

XXX, Chair

XXX, Secretary

November 8, 2023

Oak Ridge Site Specific Advisory Board

XX/sbm

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

DRAFT FY 2024 ORSSAB Work Plan/Schedule

Executive meeting	Monthly meeting	Site tour	EM/Stewardship meeting
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Date	Event	Topic	Recommendation Required	Presenter	Issue Group	Location
OCTOBER 2023						
Wed., 10/4	Executive	General Business				DOEIC
Wed., 10/11	Monthly meeting	<i>No meeting due to EM SSAB Fall Chairs' Meeting</i>				DOEIC
	Site Tour	<i>(No site tour)</i>				
Wed., 10/25	EM/Stewardship	<i>If needed</i>				DOEIC
NOVEMBER 2023						
Wed., 11/1	Executive	General Business				DOEIC
Wed., 11/8	Monthly meeting	Excess Facilities Risk Reduction Activities at ORNL & Y-12	Optional	Carden/Vestal	Bartholomew, Butler, Conner, Jones, McCurdy, Michaels, Sharpe, Shields, Weigel	DOEIC
TBD	Site tour	On-site tour/Q&A		Carden/Vestal		
Wed., 11/29	EM/Stewardship	Continued discussion on Excess Facilities Risk Reduction Activities at ORNL & Y-12		Carden/Vestal		DOEIC
DECEMBER 2023						
Wed., 12/5	Executive	<i>(No meeting)</i>				
Wed., 12/12	Monthly meeting	<i>(No meeting)</i>				
	Site tour	<i>(No site tour)</i>				
Wed., 12/26	EM/Stewardship	<i>(No meeting)</i>				

DRAFT FY 2024 ORSSAB Work Plan/Schedule

Date	Event	Topic	Recommendation Required	Presenter	Issue Group	Location
JANUARY 2024						
Wed., 1/2	Executive	<i>(No meeting)</i>				
Wed., 1/9	Monthly meeting	<i>(No meeting)</i>				
TBD	Member Training	New Member Training	N/A	Noe/Petrie/ Newberry		Virtual
	Site tour	<i>(No site tour)</i>				
Wed., 1/23	EM/Stewardship	<i>If needed</i>				
FEBRUARY 2024						
Wed., 2/7	Executive	General Business				DOEIC
Wed. 2/14	Monthly meeting	Ongoing Efforts to Assure Waste Disposal Capacity	Optional	Mayton	Butler, Dill, Jones, McCurdy, Michaels, Sharpe, Tuck, Shields, Weigel	DOEIC
TBD	Site tour	On-site tour/Q&A		Mayton		
Wed., 2/28	EM/Stewardship	Continued Discussion on Ongoing Efforts to Assure Waste Disposal Capacity		Mayton		
MARCH 2024						
Wed., 3/6	Executive	General Business				DOEIC
Wed., 3/13	Monthly meeting	FY 2026 Budget Development/prioritization input	Yes	Stokes/ Thompson	Butler, Conner, Dill, Jones, McCurdy, Tuck	DOEIC
	Site tour	<i>(No site tour)</i>				
Wed., 3/27	EM/Stewardship	Continued Discussion on FY 2026 Budget Development /prioritization input		Thompson		DOEIC
APRIL 2024						
Wed., 4/3	Executive	General Business				DOEIC
Wed., 4/10	Monthly meeting	Aquatic Ecology Research and Technology Development in East Fork Poplar Creek	Optional	Mathews/ Petrie	Anzellotti, Butler, Jones, McCurdy, Sharpe	DOEIC
TBD	Site tour	On-site tour/Q&A		Mathews/ Petrie		

DRAFT FY 2024 ORSSAB Work Plan/Schedule

Date	Event	Topic	Recommendation Required	Presenter	Issue Group	Location
Wed., 4/24	EM/Stewardship	Continued Discussion on Aquatic Ecology Research and Technology Development in East Fork Poplar Creek		Mathews/ Petrie		DOEIC

DRAFT FY 2024 ORSSAB Work Plan/Schedule

MAY 2024						
Wed., 5/1	Executive	General Business				DOEIC
Wed., 5/8	Monthly meeting	TBD				DOEIC
TBD	Member training	Educate new members & tour of sites; current members welcome. (half-day)		Petrie/Williams/Newberry		DOEIC & sites
Wed., 5/22	EM/Stewardship	TBD				DOEIC
JUNE 2024						
Wed., 6/5	Executive	General Business				DOEIC
Wed., 6/12	Monthly meeting	East Tennessee Technology Park Main Plant Groundwater Remedy Selections	Optional	Petrie/Scheffler	Bartholomew, Butler, Jones, McCormick, McCurdy, Michaels, Sharpe, Shields, Weigel	DOEIC
TBD	Site tour	On-site tour/Q&A		Petrie/Scheffler		
Wed., 6/26	EM/Stewardship	Continued Discussion on East Tennessee Technology Park Main Plant Groundwater Remedy Selections		Petrie/Scheffler		DOEIC
JULY 2024						
Wed., 7/3	Executive	<i>(No meeting)</i>				DOEIC
Wed., 7/10	Monthly meeting	<i>(No meeting)</i>				
	Site tour	<i>(No site tour)</i>				
Wed., 7/24	EM/Stewardship	<i>(No meeting)</i>				DOEIC

DRAFT FY 2024 ORSSAB Work Plan/Schedule

AUGUST 2024						
Wed., 8/7	Executive	Annual Planning Meeting				DOEIC
TBD	Annual meeting	FY2024 review and planning for FY2025	N/A	DOE/EPA/TDEC liaisons		TBD
Wed., 8/14	Monthly meeting	<i>(No ORSSAB monthly meeting)</i>				
	Site tour	<i>(No site tour)</i>				
Wed., 8/28	EM/Stewardship	<i>(No meeting)</i>				
SEPTEMBER 2024						
Wed., 9/4	Executive	General Business				DOEIC
Wed., 9/11	Monthly meeting	TBD				DOEIC
TBD	Site tour	TBD				
Wed., 9/25	EM/Stewardship	TBD				DOEIC



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
233	8/3/2023	Petrie, DOE	Andrews, EPA	EPA Approval: Waste Handling Plan for the Demolition of the Alpha-2 Complex located at the Y-12 National Security Complex, Oak Ridge, Tennessee (DOE/OR/01-2877&D1)	DOEIC, Notified board officers of receipt
234	8/7/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Transmittal of the Phased Construction Completion Report For Demolition of Building 9213 and Ancillary Facilities 9409-36, 9703-14, and 9999-2, OR (DOE/OR/01-2945&D2)	DOEIC, Notified board officers of receipt
235	8/9/2023	Shields, ORSSAB	Czartoryski, TDEC	FY 2024 Topics for the Oak Ridge Site Specific Advisory Board	DOEIC, Notified board officers of receipt
236	8/10/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of The Proposed Administrative Record Index for The Interim Record of Decision for Groundwater in The Main Plant Area at The East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-01-2949&D1)	DOEIC, Notified board officers of receipt
237	8/11/2023	Petrie, DOE	Young, TDEC	TDEC Approval Letter for Phased Construction Completion Report for Demolition of Building 9213 and Ancillary Facilities 9409-36, 9703-14, and 9999-2, Oak Ridge, Tennessee (DOE/OR/01-2945&D2)	DOEIC, Notified board officers of receipt
238	8/14/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of An Erratum to The Addendum 15 To the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, And Subsurface Structures at East Tennessee Technology Park Oak Ridge, Tennessee: Water Management in Exposure Unit Z2-13 (DOE/OR/01-2224&D5/A15/R1)	DOEIC, Notified board officers of receipt
239	8/17/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of The Proposed Administrative Record Index for The Record of Decision for Groundwater in the K-31-K-33 Area at The East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-01-2950&D1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
240	8/18/2023	Petrie, DOE	Froede, EPA	EPA Comments: Erratum to the Addendum to the Zone 1 Groundwater Plumes Remedial Investigation Work Plan for the K-720 Fly Ash Pile East Tennessee Technology Park Oak Ridge, Tennessee (DOE/OR/01-2903&D2/A1)	DOEIC, Notified board officers of receipt
241	8/24/2023	Petrie, DOE	Young, TDEC	TDEC Comments RE: Transmittal of the Phased Construction Completion Report for Pre-Demolition of the Graphite Reactor Support Facilities and Building 3005, the Low Intensity Test Reactor at the Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2946&D1)	DOEIC, Notified board officers of receipt
242	8/25/2023	Cooke, DOE	Young, TDEC	TDEC Comments RE: Draft Covenant Deferral Request for the Proposed Title Transfer of the Zone 1 Portion of the Black Oak Ridge Conservation Easement and Exposure Units Z1-77, Z1-78, and Z1-79 at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2954)	DOEIC, Notified board officers of receipt
243	8/25/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of the Federal Facility Agreement Appendix I-5 Information Assessment for ETPP (UCOR-5588/R1)	DOEIC, Notified board officers of receipt
244	8/28/2023	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the Addendum for the Implementation Process to the Remedial Design Report/Remedial Action Work Plan for Soils, Sediments, and Dynamic Characterization Strategy for Bethel Valley, OR (DOE/OR/01-2378&D5/A5)	DOEIC, Notified board officers of receipt
245	8/28/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of Addendum 2 (EU Z2-17) to the FY 2009 Phased Construction Completion Report for Zone 2 EU 11, 12, 17, 18, 29, and 38 at ETPP (DOE/OR/01-2415&D2/A2)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
246	8/28/2023	Petrie, DOE	Adams, EPA	EPA Comments: Phased Construction Completion Report for Demolition of Building 9213 and Ancillary Facilities 9409-36, 9703-14, AND 9999-2, Oak Ridge, Tennessee (DOE/OR/01-2945&D2)	DOEIC, Notified board officers of receipt
247	8/30/2023	Urquhart-Foster, EPA & Young, TDEC	Mayton & Petrie, DOE	Submittal of the Addendum to the Remedial Design Report for the Disposal of Oak Ridge Reservation Comprehensive Environmental Response, Compensation, And Liability Act Of 1980 Waste, Oak Ridge, Tennessee Work Plan for Groundwater Monitoring Wells West of EMWMF (DOE/OR/01-1873&D4/A2/R2)	DOEIC, Notified board officers of receipt
248	8/30/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of The Memorandum to File, Non-Significant Change to The Record of Decision for Soil, Buried Waste, And Subsurface Structure Actions in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2161&D2)	DOEIC, Notified board officers of receipt
249	8/30/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of The Removal Action Report for The Poplar Creek Mudflat Sediment Time-Critical Removal Action at The East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2952&D1)	DOEIC, Notified board officers of receipt
250	8/31/2023	Petrie, DOE	Andrews, EPA	EPA Comments: Phased Construction Completion Report for the Non-Time Critical Removal Action Building 9404-18 Demineralizer Facility Mercury-Contaminated Systems Demolition at the Y-12 National Security Complex Oak Ridge, Tennessee (DOE/OR/01-2929&D1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
251	8/31/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Erratum to the Addendum 15 to the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures at East Tennessee Technology Park, Oak Ridge, Tennessee: Water Management in Exposure Unit Z2-13 (DOE/OR/01-2224&D5/A15/R1)	DOEIC, Notified board officers of receipt
252	8/31/2023	Petrie, DOE	Amoroso, EPA	EPA Approval - Phased Construction Completion Report for Pre-Demolition of the Graphite Reactor Support Facilities and Building 3005, the Low Intensity Test Reactor at the Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2946&D1)	DOEIC, Notified board officers of receipt
253	9/1/2023	Petrie, DOE	Young, TDEC	TDEC Comments - Federal Facility Agreement Appendix I-5 Information Assessment for East Tennessee Technology Park, Oak Ridge, Tennessee (UCOR-5588-R1)	DOEIC, Notified board officers of receipt
254	9/1/2023	Petrie, DOE	Young, TDEC	TDEC Approval Letter for the Erratum to the Addendum to the Zone 1 Groundwater Plumes Remedial Investigation Work Plan for the K720 Fly Ash Pile East Tennessee Technology Park,	DOEIC, Notified board officers of receipt
255	9/1/2023	Petrie, DOE	Young, TDEC	TDEC Comment Letter Phased Construction Completion Report for the Non-Time-Critical Removal Action Building 9404-18 Demineralizer Facility Mercury-Contaminated Systems Demolition at the Y-12 National Security Complex (DOE-OR-01-2929&D1)	DOEIC, Notified board officers of receipt
256	9/5/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval of Erratum to Addendum 15 to the RDR-RAWP EU (DOR-OR-01-2224&D5-A15-R1) Z2-13	DOEIC, Notified board officers of receipt
257	9/5/2023	Urquhart-Foster, EPA & Young, TDEC	Cooke, DOE	Transmittal of the Final Covenant Deferral Request for the Proposed Title Transfer of Portions of Exposure Units Z2-32, Z2-33, Z2-41, and Z2-42, at ETPP (DOE/OR/01-2924) for Regulatory Concurrence	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
258	9/6/2023	Petrie, DOE	Young, TDEC	TDEC Approval: Addendum to the Remedial Design Report for the Disposal of Oak Ridge Reservation Comprehensive Environmental Response, Compensation, and Liability Act of 1980 Waste, Oak Ridge, Tennessee (DOE/OR/01-1873&D4/A2/R2)	DOEIC, Notified board officers of receipt
259	9/7/2023	Petrie, DOE	Jones, EPA	EPA Approval of the Covenant Deferral Request (CDR) for the Proposed Title Transfer for Exposure Units Z2-40 and Z2-44 and Partial Z2-36 at the East Tennessee Technology Park (DOE/OR/01-2885)	DOEIC, Notified board officers of receipt
260	9/8/2023	Shields, ORSSAB	Mullis, DOE	DOE Response to ORSSAB Recommendation 255 On Groundwater Remedy Selections	DOEIC, Notified board officers of receipt
261	9/11/2023	Petrie, DOE	Froede, EPA	EPA Comments on the revised Addendum to the Remedial Design Report for the Disposal of Oak Ridge Reservation CERCLA Work Plan for Groundwater Monitoring Wells West of EMWMF (DOE/OR/01-1873&D4/A2/R2)	DOEIC, Notified board officers of receipt
262	9/14/2023	Hastings, Kairos Power	Hardin & Petrie, DOE	Notification to Kairos Power LLC for Proposed Response of Groundwater Remedies for K-31 and K-33 Facilities	DOEIC, Notified board officers of receipt
263	9/15/2023	Petrie, DOE	Young, TDEC	Notification of 30-Day Schedule Extension for TDEC Review of the Record of Decision for Groundwater in the K-31-K-33 Area at ETTP (DOE/OR/01-2950&D1)	DOEIC, Notified board officers of receipt
264	9/15/2023	Petrie, DOE	Urquhart-Foster, EPA	Notification of 30-day extension for submission of comments on the K-31/K-33 ROD D1 (DOE/OR/01-2950&D1)	DOEIC, Notified board officers of receipt
265	9/15/2023	Petrie, DOE	Froede, EPA	EPA Comments: Interim Record of Decision for Groundwater in the Main Plant Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2949&D1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
266	9/18/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Re: Notification of 30-Day Schedule Extension for TDEC Review of the Interim Record of Decision for Groundwater in the Main Plant Area at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2949&D1)	DOEIC, Notified board officers of receipt
267	9/21/2023	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Appendix J FY Plus 3 Milestone Notification	DOEIC, Notified board officers of receipt
268	9/22/2023	Petrie, DOE	Young, TDEC	Memorandum to File, NSC to the ROD for Soil, Buried Waste, and Subsurface Structure Actions in Zone 2, ETPP (DOE-OR-01-2161&D2)	DOEIC, Notified board officers of receipt
269	9/22/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Extension Request for Response on the D1 BORCE CDR	DOEIC, Notified board officers of receipt
270	9/25/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval of ETPP Appendix I-5 (ID 11501; UCOR-5588-R1)	DOEIC, Notified board officers of receipt
271	9/25/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Submittal of the RDWP/RAWP For the Groundwater Field Demonstration at The Environmental Management Disposal Facility, Oak Ridge, Tennessee (DOE/OR/01-2948&D2)	DOEIC, Notified board officers of receipt
272	9/25/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA approval of ID 11514 NSC for Zone 2 ROD boundary change (DOE/OR/01-2161&D2)	DOEIC, Notified board officers of receipt
273	9/29/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Comments: Appendix J Fiscal Year + 3 Milestone Notification	DOEIC, Notified board officers of receipt
274	9/29/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Response to DOE's Appendix J FY + 3 Milestone Notification, September 21, 2023	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
1	10/2/2023	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of The Addendum 2 To The Remedial Action Work Plan-Waste Handling Plan For The Liquid And Gaseous Waste Operations At The Oak Ridge National Laboratory, Oak Ridge, Tennessee Liquid And Gaseous Waste Operations (DOE-OR-01-2830&D1-A2)	DOEIC, Notified board officers of receipt
2	10/2/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Transmittal of the Erratum Page for the Action Memorandum for the Y-12 Facilities Non-Time-Critical Removal Action Deactivation-Demolition Project, Oak Ridge, Tennessee (DOE/OR/01-2462&D2)	DOEIC, Notified board officers of receipt
3	10/2/2023	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the 2023 Remediation Effectiveness Report for the DOE ORR (DOE/OR/01-2938&D2)	DOEIC, Notified board officers of receipt
4	10/3/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Transmittal of The Fiscal Year 2023 Phased Construction Completion Report For The Oak Ridge Reservation Environmental Management Waste Management Facility (DOE-OR-01-2941&D2).	DOEIC, Notified board officers of receipt
5	10/6/2023	Petrie, DOE	Young, TDEC	TDEC Comment Letter for Engineering Evaluation/Cost Analysis for North Tributary-8 at the Y-12 National Security Complex Bear Creek Burial Ground, ORR (DOE/OR/01-2957&D1)	DOEIC, Notified board officers of receipt
6	10/10/2023	Urquhart-Foster, EPA & Young, TDEC	Daffron & Petrie, DOE	Transmittal of The Bear Creek Valley Mercury Sources Remedial Site Evaluation Sampling and Analysis Plan Oak Ridge, Tennessee (DOE/OR/01/2958&D1)	DOEIC, Notified board officers of receipt
7	10/12/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Proposed Administrative Record Index Review for the Record of Decision for Groundwater in the K31-K33 area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-2950&D1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
8	10/12/2023	Petrie, DOE	Young, TDEC	TDEC Comment Response Letter for Record of Decision for Groundwater in the K- 31-K-33 Area at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-01-2950&D1)	DOEIC, Notified board officers of receipt
9	10/16/2023	Petrie, DOE	Young, TDEC	TDEC Approval Letter: Approval of the 2023 Remediation Effectiveness Report for the U.S. Department of Energy Oak Ridge Site, Oak Ridge, Tennessee (DOE/OR/01-2938&D2)	DOEIC, Notified board officers of receipt
10	10/16/2023	Petrie, DOE	Young, TDEC	TDEC Approval: Remedial Design Work Plan/Remedial Action Work Plan for the Groundwater Field Demonstration at the Environmental Management Disposal Facility, Oak Ridge, Tennessee (DOE/OR/01-2948&D2)	DOEIC, Notified board officers of receipt
11	10/17/2023	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
12	10/18/2023	Petrie, DOE	Young, TDEC	TDEC Comment Letter: 2023 Five-Year Review for the East Tennessee Technology Park Administrative Watershed and the Clinch River/Poplar Creek and Lower Watts Bar Reservoir Operable Units on the U.S. Department of Energy Oak Ridge Site, Oak Ridge Tennessee (DOE/OR/01-2947&01)	DOEIC, Notified board officers of receipt
13	10/19/2023	Petrie, DOE	Young, TDEC	TDEC Comment Letter for Interim Record of Decision for Groundwater in the Main Plant Area at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2949&D1)	DOEIC, Notified board officers of receipt
14	10/20/2023	Petrie, DOE	Sayer, EPA	EPA Approval of the RDWP/RAWP for the Groundwater Field Demonstration at the Environmental Management Disposal Facility, Oak Ridge, Tennessee (DOE/OR/01-2948&D2)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
15	10/23/2023	Petrie, DOE	VanTrees, EPA	EPA Comments: Record of Decision for Groundwater in the K-31/K-33 Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2950&D1)	DOEIC, Notified board officers of receipt
16	10/24/2023	Cooke, DOE	Jones, EPA	EPA Review of the draft Covenant Deferral Request (CDR) for the Proposed Title Transfer of the Zone 1 Portion of the Black Oak Ridge Conservation Easement and Exposure Units Z1-77, Z1-78, and Z1-79 (DOE-OR-01-2954)	DOEIC, Notified board officers of receipt
17	10/25/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval of ID 11591 Proposed Changes to Appendix B and Appendix C of the Federal Facility Agreement for the Oak Ridge Reservation.	DOEIC, Notified board officers of receipt
18	10/26/2023	Petrie, DOE	Young, TDEC	TDEC Review of the Proposed Administrative Record Index for the Interim Record of Decision for Groundwater in the Main Plant Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-01-2949&D1)	DOEIC, Notified board officers of receipt
19	10/26/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Submittal Of The Addendum To The Remedial Design Report/Remedial Action Work Plan For The Environmental Management Disposal Facility, Oak Ridge, Tennessee: Early Site Preparation Activities (DOE/OR/01-2934&D2/A1)	DOEIC, Notified board officers of receipt
20	10/27/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Transmittal of the Erratum Page for the Action Memorandum for the Y-12 Facilities Non-Time-Critical Removal Action Deactivation/Demolition Project, Oak Ridge, Tennessee (DOE/OR/01-2462&D2)	DOEIC, Notified board officers of receipt
21	10/31/2023	Petrie, DOE	Young, TDEC	TDEC Approval: Fiscal Year 2023 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility (DOE/OR/01-2941&D2)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
22	10/31/2023	Petrie, DOE	Sayer, EPA	EPA Approval: Fiscal Year 2023 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility (DOE/OR/01-2941&D2)	DOEIC, Notified board officers of receipt

Travel Opportunities

Meeting/Event	Dates	Location	Cost	Additional Info
FY 2023				
EPA National Brownfields Conference Requests: Michaels	Aug. 8-11	Detroit, MI	\$200	https://brownfields2023.org/
DOE National Cleanup Workshop Requests: Jones, Anzelotti, Butler, Dill	Sept. 11-13	Alexandria, VA	\$1,075	www.cleanupworkshop.com
FY 2024				
Waste Management Symposium Requests: Bartholomew, Jones	March 10-14	Phoenix, AZ	\$1,780	www.wmsym.org
National Environmental Justice Conference & Training Requests:	April 16-18	Washington, D.C.	NA	http://thenejc.org
RadWaste Summit Requests: Jones	TBD *NNSC tour add on	Las Vegas, NV	\$1,075	http://www.radwastesummit.com/
2024 Spring Chairs Meeting <i>Board officers preferred</i> Requests: Jones	TBD	Las Vegas, Nevada	NA	
DOE National Cleanup Workshop Requests: Anzelotti, Dill (from '23)	TBD	Alexandria, VA	\$1,075	www.cleanupworkshop.com
2024 Fall Chairs Meeting <i>Board officers preferred</i> Requests:	TBD		NA	
Shaded trips are closed	<p style="text-align: center;">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.</p>			



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Mary Butler
- II. Date(s) of Travel:** 9/11/23 – 9/14/23
- III. Location of Meeting:** Arlington, VA
- IV. Name of Meeting:** 2023 National Cleanup Workshop
- V. Purpose of Travel:**

To attend the workshop as a member of ORSSAB with the intent of gaining a broader understanding of DOE-EM’s work and challenges across the national complex.

VI. Discussion of Meeting:

The EM mission began with Oppenheimer. It’s been a long journey since, but we now know what waste we have and how to treat it. Success is impossible without safety, a vital part of our mission. While Congress has made significant investments in EM work, it’s not realistic to expect budget increases year after year so all sites will need to prioritize their work. It’s also important that EM collaborates with other countries so that we don’t waste limited resources “reinventing the wheel.” Examples include working with Japan on lessons learned from the Fukushima nuclear disaster and best practices shared with work already done in the UK and France. A bilateral agreement was signed between the USA and Canada at this meeting, forming an official partnership to share information on nuclear waste management.

Examples of DOE-EM/Contractor successes and challenges were highlighted including A) how Idaho addressed liquid nuclear waste in a “first of its kind” facility, B) how Savannah River met the challenge to increase production three fold without more money or more people and C) how Los Alamos recognized the need to enhance community engagement with stakeholders in the local community in order to improve trust, gain community confidence and support, and even develop future employees.

A discussion of regulatory challenges emphasized that, while DOE-EM, EPA and state agencies may not initially agree (less than 5% of the time), they can “get to yes” by better understanding each other’s legal positions and regulatory perspectives.

The “Clean Up to Clean Energy” branding was emphasized by David Turk, Deputy Secretary of Energy, DOE who substituted for Secretary Jennifer Granholm.

With respect to DOE-EM's mission of legacy cleanup, Representative Chuck Fleischman (TN-03) was commended as a Congressional leader who "gets it!" He stressed how partisan differences should be put aside to do what's right and necessary for our nation's future (nuclear for clean energy and national security). The rest of the world is moving ahead with "the great nuclear renaissance" and we cannot move ahead with them unless we complete EM's work. We need to regain our domestic ability to enrich uranium as part of this renaissance. In a time of restrained budgets, we need to work on absolute needs versus wants.

A discussion of DOE-EM's future and long-term funding needs mentioned that inflation is a major cost-driver for future funds and, in a fiscally contained environment, it's easier to get funding approved if a specific site has a specific plan with a specific deliverable that can be measured in a specific time frame. DOE-EM does a good job laying out a 10-year vision but, having contractors who can execute well is important for approval of funding requests.

"The Great Nuclear Renaissance" was referenced often throughout the workshop and NNSA is expected to have a significant growth period over the next 10 years, which means an increased production of transuranic waste and some radioactive waste. In the past, we weren't aware of how to protect the environment or the public from these wastes, but now we are. So, future activities will be well managed to focus on the least possible risks to the environment, the public and to cleanup workers. Tennessee (Oak Ridge) was singled out as being uniquely qualified to lead this nuclear ecosystem redevelopment.

DOE-EM cleanup work can have unique challenges where NNSA sites and Science sites co-exist. The Oak Ridge Reservation is such a place with Y-12 & ORNL, therefore; Oak Ridge was well represented with 4 people on a 6-person panel which included Jay Mullis, Manager of Oak Ridge DOE-EM; Chuck Hope, Council Member, City of Oak Ridge; Johnny Moore, Manager DOE ORNL, and Ken Rueter, President & CEO, UCOR. They shared challenges realized and lessons learned in the transfer of DOE-EM assets to NNSA or Science (and vice versa as needed). For example, sometimes buildings are transferred right across the street from a hot cell, which requires great logistics planning. Another example is with the Mercury Treatment Facility being built right in the middle of the Y-12 National Security Complex.

A benefit of tackling all these challenges (aside from national security improvements and the advancement of science) is significant economic development for the community. Oak Ridge was cited as an example of how transferring buildings and/or land with important new missions (such as National Security and/or Science) resulted in \$10's of billions of disposable dollars and a huge positive impact, in general, on Oak Ridge and its surrounding communities.

VII. Significance to ORSSAB:

First, I was honored to have “ORSSAB” on my nametag as I learned how Oak Ridge was considered a leader in the DOE-EM complex. From the Manhattan Project/Cold War era to past and current clean-up efforts to the promise of the future in the “nuclear renaissance” with clean and safe nuclear energy, Oak Ridge is uniquely qualified to lead the way and there’s strong support from our Governor, Bill Lee, to do just that as he commissioned a Nuclear Advisory Council.

As a long-established local citizen’s advisory board, ORSSAB is positioned well to continue its work on DOE-EM legacy cleanup efforts; however, as Oak Ridge looks to lead the way in nuclear ecosystem redevelopment and the future nuclear renaissance, it won’t be long before ORSSAB will also need to start working on stewardship issues. ORSSAB’s EM-Stewardship Committee is the perfect place to start having the discussions necessary to determine what that will look like.

VIII. Names & Telephone Numbers of Significant Contacts:

N/A

IX. Action Items:

N/A

X. Traveler’s Signature & Date:

Signature: ___ Mary Butler_____

Date: __10/30/2023_____



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Christine Michaels
- II. Date(s) of Travel:** August 7 – 11, 2023
- III. Location of Meeting:** Detroit, MI
- IV. Name of Meeting:** National Brownfields Conference
- V. Purpose of Travel:**

To attend the Brownfields Conference to learn how other communities are taking advantage fo federal cleanup programs, and how they are putting cleaned up sites back to use. Also to learn about worker training programs.

VI. Discussion of Meeting:

I attended the following sessions:

- Mayor’s Roundtable – focused on three cities and how they have done brownfield redevelopment
- Field Trip to Flint, MI to see how one car manufacturing brownfield has been transformed into a park connecting the University of Michigan to downtown Flint; see the revitalized downtown; and view another auto manufacturing site which is partway through remediation.
- Batteries on Brownfields, and how large battery storage systems can be put on brownfields and tap into existing grid infrastructure
- CERCLA – what its regulations mean to existing and potential property owners
- Workers in Transition – how California is training women in non traditional roles to work in the solar industry
- Workforce Best Practices – How Puerto Rico is getting employers to sign letters of commitment to hire workers who come through training programs
- Inflation Reduction Act – tax credits which affect re-sue of former coal-fired plant closures and petroleum contaminated sites
- Green Job Training – How Missouri is training inmates and those recently released for green energy jobs
- Energy Transition and New Markets – Battery storage, hydrogen usage, EV charging stations, new fuels
- Senior housing – Michigan’s Brownfield Cleanup Grant and how housing was put on former sites
- TIF for Workforce Housing – How Michigan uses a Brownfield TIP and Low Income Tax Credits to create housing
- Land Banks – how Michigan incentives developers to make Land Bank properties into affordable housing
- EPA Workforce Grants – met one-on-one with Region 4 administrator to learn about programs
- Visited a number of exhibitor to booths to learn about engineering and site service providers and government agencies and their programs

- Brought back a number of resource guides

VII. Significance to ORSSAB:

This benefited ORSSAB in several ways – I feel I personally have become a better-informed member of the Board in understanding terminology and real-life examples of programs; to learn what other areas are doing with their brownfield sites for redevelopment; and to explore possible new partners for redevelopment and a workforce to provide the needed remediation.

VIII. Names & Telephone Numbers of Significant Contacts:

There were about 1,000 attendees. My contacts include:

- Mayor Antaramian of Kenosha, WI - (262)653-4000
- Matt Hirsh, Workforce Development programs at Northwestern Michigan College, mhirsch@nmc.edu
- Region 4 EPA Workforce Development coordinator Olga Perry - Perry.olga@Epa.gov
- Carmen May – City of Springfield Workforce Development – cmay@springfieldmo.gov
- Scott Laird, Independence Demolition – slaird@indexc.com
- Hazardous Materials Training & Research Institute – brownfields-toolbox.org

IX. Action Items:

None

X. Traveler's Signature & Date:

Signature: Christine Michaels

Date: 9/8/2023

ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD IN OAK RIDGE

BIOGRAPHIES

Atilio Anzelotti (Anderson County). Dr. Anzelotti is a senior scientist with PETNET Solutions and a resident of Oak Ridge, Tennessee. His B.S. and M.S. degrees in Chemistry were received in Venezuela from the University of Los Andes and the Venezuelan Institute for Scientific Research, respectively. He received a Ph.D. in Chemistry from Virginia Commonwealth University. Dr. Anzelotti is active in the community and is a member of the American Chemical Society and the Oak Ridge Environmental Quality Board. He is interested in environmental and public health issues.

Kris Bartolomew (Roane County). Mr. Bartolomew is the owner of Turn Key Plumbing and Construction, a small family-owned business. A high school graduate with some college courses, Mr. Bartolomew has received licensures related to his trade. Those licenses include general contractor (BC-b(sm), plumbing/mechanical (CMC-A), and subsurface sewage installer. He lives in Lenoir City, Tennessee, which includes portions of Loudon and Roane counties. He is interested in environmental and public health issues.

Mary Butler (Roane County). Ms. Butler retired in 2017 as a staff pharmacist with Aurora Pharmacy, Inc. She received a B.S. in Pharmacy from the University of Wisconsin. She moved to Rockwood, Tennessee in 2020 and is eager to engage in the community here as she was previously active in several organizations in her native Wisconsin. Ms. Butler is interested in civic and educational issues.

Harold Conner (Knox County). Dr. Conner is a senior engineering advisor with Strata-G, which sub-contracts with the Department of Energy (DOE) for some services. In this role, Mr. Conner, focuses on supporting community outreach, university partnerships, and student internships and mentoring. He has no oversight related to environmental management work, contracts, or employees. Dr. Conner 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, 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: membership on the University of Tennessee, Knoxville (UT) Alumni board, the UT Tickle College of Engineering board, as a UT Promise mentor, 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 and a lifetime member of the National Society of Black Engineers and the National Organization of Black Chemists and Chemical Engineers. He is a resident of Knoxville, Tennessee and is interested in educational and minority issues.

Paul Dill (Roane County). Mr. Dill retired in 2018 as a project manager with Project Enhancement Corporation (PEC) supporting the Department of Energy's (DOE) National Nuclear Security Administration (NNSA) in the Office of Emergency Operations. In 2016, he was a senior continuity of operations analyst/subject matter expert with Excalibur/PEC supporting NNSA's Continuity Program Office. 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, Tennessee, which includes portions of Anderson, Roane, and Morgan counties. He is interested in environmental and public health issues.

Rosario Gonzalez (Anderson County). Ms. Gonzalez retired in 2023 as the cafeteria manager at St. Mary's Catholic Church in Oak Ridge, Tennessee, where she was employed since 1986. She previously worked as a secretary in Toureon, Mexico, where she received her Secretarial Academy Certification. She completed her secondary education in Mexico and received her GED from Pellissippi State Community College in Knoxville, Tennessee. She lives in Oak Ridge, Tennessee and is interested in environmental and minority issues. She previously served on the Environmental Management Site-Specific Advisory Board (EM SSAB) in Oak Ridge from July 2016 to June 2018.

Amy Jones (Anderson County). Ms. Jones is the senior benefit coordinator and a licensed insurance agent for Madison Insurance Group. She is also a sales manager for Arrowbroker and a real estate agent at Stephenson Realty & Auction. Ms. Jones was the owner of Double J Enterprises of TN, in Rocky Top, Tennessee, until mid-2018. A high school graduate, Ms. Jones has also received her real estate license and insurance license. She is active in a variety of community organizations including serving as an ambassador for the Anderson County Chamber of Commerce, vice chair for the Anderson County Republican Party, past vice chair of the Anderson County Headstart Policy Council, and chair for the State of Tennessee Order of Amaranth Diabetes Charity. She is a committeewoman on the State Executive Committee for the Tennessee Republican Party, past chair of the Women's Ministry Banquet at Main Street Baptist, and president of two groups in the Order of the Eastern Star. Ms. Jones is interested in environmental and county government issues. She lives in Briceville, Tennessee, and was appointed to the board in July 2019. She currently serves as vice chair of the EM SSAB in Oak Ridge.

Noah Keebler (Knox County). Mr. Keebler is the owner of Arc Transportation, a logistics and freight company. He was previously a nuclear electronics technician with Ametek, which is a manufacturer of electronic instruments and electromechanical devices (no business with DOE or EM). 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 certifications related to his work experience, including Occupational Safety and Health Administration training, electrical safety experience and radiation worker training. Mr. Keebler has an interest in environmental

issues. He is a resident of Knoxville, Tennessee, and was appointed to the board in July 2019.

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

Thomas McCormick (Campbell County). Mr. McCormick is the city manager for the town of Oliver Springs, Tennessee, 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. Mr. McCormick lives in Jacksboro, Tennessee and is interested in city/county government and environmental issues. He was appointed to the board in December 2020.

Ann (Harriett) McCurdy (Anderson County). Ms. McCurdy retired in 2014 after more than 40 years as a teacher for middle- and high-school students both in the U.S. 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. Ms. McCurdy received a B.A. in Biology from Earlham College and an M.A. in Teaching Biology and her teaching certificate from Washington University. She is a member of the Oak Ridge League of Women Voters and Tennessee Citizens for Wilderness Planning. Ms. McCurdy is a resident of Oak Ridge, Tennessee, and is interested in civic, environmental, and educational issues. She was appointed to the board in February 2019.

Christine Michaels (Anderson County). Ms. Michaels is president of the Oak Ridge Chamber of Commerce. She received a Bachelor of Science in Public Relations from Empire State College. She also has an Economic Gardening Certification for entrepreneurial economic development and an Institute for Organization Management certification from the U.S. Chamber of Commerce. Ms. Michaels is a resident of Oak Ridge, Tennessee and 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. Ms. Michaels is interested in economic development and business issues.

Michael Sharpe (Loudon County). Mr. Sharpe is a SharePoint administrator and performs other technology- and web-based tasks for prime contractor Oak Ridge Associated Universities, which manages the Oak Ridge Institute for Science and Education (ORISE) for DOE. ORISE provides science, education, workforce development, and health services that include some Oak Ridge EM areas such as decontamination verifications to support cleanup. Mr. Sharpe received a B.S. in Business Administration from Tusculum University and an A.S. in Computer Programming from

ITT Technical. Mr. Sharpe is interested in economic development and environmental issues. He is a resident of Lenoir City, Tennessee, and was appointed to the board in December 2020. He was recently elected co-chair of the board's EM Stewardship Committee.

Thomas Tuck (Knox County). Mr. Tuck is a retired 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. Mr. Tuck received a B.S. in Business and Marketing from University of Tennessee (UT) and is a Certified Banker through the School of Banking of the South. Mr. Tuck is a member of the board of directors for local organizations including the Oak Ridge Chamber of Commerce, Oak Ridge Heritage and Preservation Association, and the East Tennessee Economic Council. He is a member of the Y-12 Community Relations Council. He is interested in civic and local business issues. He is a resident of Knoxville, Tennessee, and was appointed to the board in December 2020.

Oak Ridge Reservation Environmental Cleanup Update

Please join us

Dear stakeholder,

The U.S. Department of Energy's Oak Ridge Office of Environmental Management (OREM) and UCOR are committed to keeping you informed about cleanup progress happening on the Oak Ridge Reservation. To keep you updated on the latest developments, OREM is hosting an open house poster session on Thursday, November 9, from 5 to 7 p.m. at the Scarboro Community Center, 148 Carver Avenue, Oak Ridge, TN 37831.

The event will have posters sharing information about our projects underway, and our top subject matter experts will also be on hand to discuss updates and answer your questions.

The information shared during this event focuses on:

- Soil cleanup and groundwater remediation plans at the East Tennessee Technology Park
- Demolition progress at Oak Ridge National Laboratory
- Deactivation and infrastructure projects at the Y-12 National Security Complex
- Next steps for the Environmental Management Disposal Facility
- Upcoming cleanup projects in 2024



U.S. DEPARTMENT OF
ENERGY



Public Comment to Oak Ridge Site Specific Advisory Board
Luther Gibson
November 8, 2023

My name is Luther Gibson. I was a member of the Oak Ridge Site Specific Advisory Board from 1999-2005 and Board Chair 2001-2002. I retired in 2017 after more than 40 years of service at Paducah, Y-12, ETPP, and Y-12 a second time.

I have comments on the process surrounding study of the issue of Excess Facilities Risk Reduction at Y-12 and ORNL as well as the same concerns I have previously expressed about the operation and engagement of the Board.

With exceptions, topics amenable to recommendations have documents and other readily available material that can be studied to learn more about the issue beyond the simplified presentation during a meeting. The CERCLA process and its public involvement are somewhat of a model as a proposed plan is backed up by a feasibility study and other documentation and data in an Administrative Record. Lack of justifying information to evaluate the proposed remedy versus alternatives has to be addressed if raised as an issue. Recommendations on budget priority are informed by past and current budget justification and execution. A budget priority recommendation would, however, be better informed if more information from the Life Cycle Baseline or the Life Cycle Baseline itself was shared. We can revisit that during discussion on future budget priorities.

A true evaluation of risk reduction in facilities would start with identification of all facilities and hazardous materials under purview of the Oak Ridge Environmental Management Program.

What information is available as resource and background for this issue? Well, the Oak Ridge Reservation Cleanup Contract with United Cleanup Oak Ridge, LLC (UCOR) lists everything with a facility number for which the contractor has cleanup, closure, surveillance and maintenance, or monitoring responsibilities. The contract with Isotek has similar information. In addition, these contracts cover legacy wastes with difficult disposition that should be expedited nonetheless to reduce risks. An All-Hazards Survey required by DOE Order 151.1D (Comprehensive Emergency Management System) should address everything assigned a facility number along with its potential to cause health, safety, and environmental incidents. This document also screens hazardous and radiological materials and need for further analysis in an Emergency Planning Hazards Assessment (EPHA). The analysis presented in an EPHA can be used to evaluate the reduction of potential event consequences if actions are taken such as reducing the hazardous materials present. As much information as can be shared from the Emergency Management technical planning basis documents would better inform understanding of this issue.

My concerns about the operation and engagement of the Board continue to broadly be frequency of meetings and limitations on the topics addressed.

Thank you for your attention.