

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, May 11, 2022, 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.

CONTENTS

AGENDA

PRESENTER BIO

PRESENTATION MATERIALS

CALENDARS

1. May
2. June (draft)

BOARD MINUTES/RECOMMENDATIONS & MOTIONS

1. Draft March 9, 2022 Full Board Meeting minutes for approval

REPORTS & MEMOS

1. Shields Waste Management Conference Trip Report
2. EMDF Public Meeting Information
3. FY 2022 Incoming Correspondence
4. Member Bios



Oak Ridge Site Specific Advisory Board
Wednesday, May 11, 2022, 6:00 p.m.
Virtual meeting
AGENDA

- I. Welcome and announcements (L. Shields) 6:00–6:05
- II. Comments from federal and state agency representatives
(M. Noe, R. Petrie, S. Urquhart-Foster, K. Czartoryski) 6:05–6:10
- III. Presentation: EMDF / Waste Disposal Capacity (D. Mayton)..... 6:10–6:30
Issue Group: *Jones, Lohmann, McCurdy, Perez, Shields, Shoemaker, Swindler, Tapp*
– Members, please inform staff if you wish to join this or any other topic on the Work Plan.
Questions regarding the **presentation/speaker only** 6:30–6:40
 - i. Board members
 - ii. Guests – Please indicate you wish to speak by using the “raise hand” action in Zoom and wait to be acknowledged. Or you may type your question in the chat window.
- IV. Public comment period (S. Kimel)..... 6:40-6:50
 - 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, May 16, 2022.*
- V. Call for additions & motion to approve agenda (L. Shields) 6:50
 - A. Requests for new action items
 - B. Next meeting – June 8 on Groundwater Remedies
Issue Group: *Jones, Lohmann, McCurdy, Samaras, Shields, Shoemaker, Swindler, Tapp*
– Members, please inform staff if you wish to join this or any other topic on the Work Plan.

————— *This ends the presentation portion of the meeting – presenters and subject experts may depart* —————

- VI. Board Business..... 7:00–7:10
 - A. Budget Recommendation Update
 - B. Vote to Approve March 9, 2022 Meeting Minutes (L. Shields)
- VII. Responses to recommendations & alternate DDFO’s report (M. Noe) 7:10–7:15
- VIII. Committee reports 7:15–7:20
 - C. EM/Stewardship (B. Shoemaker)
 - D. Executive (Shields)
 - i. Paducah Chairs Meeting recap
- IX. Additions to agenda & closing remarks (Shields)..... 7:20–7:30
- X. Adjourn 7:30

Dennis Mayton professional bio

Dennis is the senior project manager for the proposed new Environmental Management Disposal Facility landfill and existing landfills for the Oak Ridge Environmental Management office. Previously he managed the Groundwater Program Project Manager. He has been with DOE since 2015.

Prior to his time with the DOE, he was the Environmental Restoration Manager at the Holston Army Ammunition Plant in Kingsport, Tennessee for three years. Before that he worked more than 10 years managing environmental cleanup and engineering geology projects for U.S. Army Corps of Engineers. He also worked for private industry working CERCLA clean up projects at Army Sites.

Dennis has a Bachelor of Science degree in Geology from the University of Tennessee, Knoxville. Also, he served in the U.S. Air Force for four years.

Presentation to be
distributed at or prior
to meeting



Oak Ridge Site Specific Advisory Board

May

2022

Topic – EMDF/Waste Disposal Capacity

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 Executive Committee Meeting – 4 p.m. (Virtual)	5	6	7
8	9	10	11 Board meeting – 6 p.m. (Virtual)	12	13	14
15	16	17 EMDF Public Meeting – 6 p.m. (Pollard Technology Center, 210 Badger Ave., Oak Ridge)	18	19	20	21
22	23	24	25 EM/Stewardship Committee meeting 6 p.m. (Virtual)	26	27	28
29	30 Memorial Day Board Offices Closed	31				

All meetings will be held virtually until further notice. For information about attending meetings, 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

June (Draft)

2022

Topic: Groundwater Remedies

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Executive Committee Meeting – 4 p.m.	2	3	4
5	6	7	8 Board meeting – 6 p.m.	9	10	11
12	13	14	15	16	17	18
19	20	21	22 EM/Stewardship Committee meeting) – 6 p.m.	23	24	25
26	27	28	29	30		

All meetings will be held as in-person/virtual hybrid until further notice. For information about attending meetings virtually, please email orssab@orem.doe.gov at least 1 week prior to the scheduled meeting.

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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 March 9, 2022 Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held its monthly meeting virtually via Zoom on Wednesday, March 9, 2022 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

Lorna Hollowell
Amy Jones, Vice Chair
Noah Keebler
Shell Lohmann, Secretary

Greg Malone
Harriett McCurdy
Michael Sharpe
Leon Shields, Chair

John Tapp
Tom Tuck

Members Absent

Thomas Geissberger
Chris Hampel
Marite Perez

Georgette Samaras
Fred Swindler
Thomas McCormick

Bonnie Shoemaker
Rudy Weigel
Zach Wilkins

¹Third consecutive absence

Liaisons, Deputy Designated Federal Officer, and Alternates Present

Jim Daffron, Acting Director of Planning and Execution, OREM
Melyssa Noe, ORSSAB Alternate Deputy Designated Federal Officer (DDFO), OREM
Kristof Czartoryski, Tennessee Department of Environment and Conservation (TDEC)
Samantha Urquhart-Foster, U.S. Environmental Protection Agency (EPA)

Others Present

Shelley Kimel, ORSSAB Support Office
Sara McManamy-Johnson, ORSSAB Support Office
Roger Petrie, OREM
Karen Thompson, OREM
Randy Young, TDEC

Three members of the public were present.

Liaison Comments

Ms. Noe – Ms. Noe told members that OREM began the transition to the new cleanup contract with United Cleanup Oak Ridge (UCOR) on February 28, and that contract will focus on cleanup at Oak Ridge National Laboratory (ORNL) and the Y-12 National Security Complex (Y-12) for the next decade. She said OREM and UCOR hosted an event on February 24 that unveiled the closure plan for the East Tennessee Technology Park (ETTP). The event included a panel that discussed the progress of the site and details on the path ahead to complete the mission there. She added that the one-hour event was recorded and that recording would be available to members, and she encouraged members to watch it.

Next, Ms. Noe told members that OREM leadership had been in Phoenix during the week for the 2022 Waste Management Symposia. She added that Oak Ridge was 2022's featured site at the National Cleanup Conference, so a full day of panel discussions featured various elements of the OREM program.

Ms. Samantha Urquhart-Foster – Ms. Urquhart-Foster told members that in December she replaced Connie Jones as the SSAB project manager, and she discussed other personnel changes within the agency.

Mr. Czartoryski – None.

Presentation

Ms. Jones introduced Mr. Jim Daffron, OREM's acting director of planning and execution and presenter for the evening's topic, the ORSSAB Fiscal Year (FY) 2024 Budget Request.

Mr. Daffron gave members an overview of the federal budget process, which he said is a multiple-year process. He said the FY 2023 budget is in the second step in the process, with the U.S. Office of Management and Budget (OMB) consolidating the budgets, and departments are forming their FY 2024 budget requests based on priorities and plans. He said OREM's top priority is to maintain safe and compliant operations, while meeting the regulatory milestones that have been established. He added that OREM's priorities are the same as last year's and have not significantly changed in several years.

Next, Mr. Daffron gave members an overview of DOE's primary mission areas for environmental cleanup nationally and an overview of recent EM budget figures, both nationally and specific to Oak Ridge. He said Oak Ridge's cleanup is funded through multiple accounts and explained how funds appropriated are tied to those specific accounts.

Mr. Daffron then highlighted some of the work completed during 2021, which included continued construction of the Mercury Treatment Facility (MTF) at Y-12 and the submission of the first draft of the Environmental Management Disposal Facility (EMDF) record of decision (ROD). He then went into additional detail about the next stages of planned work for the program. He said MTF work is still underway this year, and the final version of the EMDF ROD will be issued in 2022. After the ROD has been approved, early site work will begin while the design is being finalized. Additionally, he said OREM will continue technology development efforts to better understand the impacts of mercury in the environment.

Mr. Daffron told members that he could not discuss details of the FY 2023 budget because of where it is in the federal budgeting process, but members currently have the opportunity to provide input on the priorities that might influence Oak Ridge's FY 2024 budget formulation.

After the presentation, board members asked the following questions:

- Mr. Malone asked whether the funding figures shown for the EMDF during the presentation is for the new disposal facility planned.
 - Mr. Daffron said it is. He said there is a line item for the construction of a new disposal facility.
- Mr. Malone asked whether the first disposal site is currently full.
 - Mr. Daffron said some space remains at the first disposal site. He added that the site filled at a fast rate during building demolitions at ETTP, but the workforce has now transitioned to Y-12 and ORNL, and that work is largely focused on facility deactivation, which generates smaller volumes of waste. He said that the new landfill is going to become very important when future projects start generating large volumes of debris.
- Mr. Malone asked whether there is a timeline for when EMDF would become available.
 - Mr. Daffron said he did not have that information readily available.
- Ms. McCurdy asked how difficult it is to produce a budget two years in advance when you're still trying to accomplish things under the current budget while not knowing what your intermediate budget will be.
 - Mr. Daffron said it's not necessarily uncommon, and while that uncertainty can make it challenging, OREM has several people with a lot of experience who are looking at various scenarios so they will be prepared to execute on whatever budget scenario is approved.

Questions from the Public

None

Public Comment

None

Board Business/Motions

1. Mr. Shields asked for a motion to approve the meeting agenda.
 - a. **3.9.22.1 Motion to approve the agenda**
Motion made by Ms. Jones and seconded by Mr. Tapp. Motion passed.
2. Mr. Shields referred members to Chairs Recommendation on Outreach, charge one, which members received in their information packets. He reminded them that this had been a topic of conversation for several months and this vote would be to either approve or not approve without editing the content of the recommendation.

Mr. Shields asked for a motion to approve the Chairs Recommendation on Outreach.

 - a. **3.9.22.2 Motion to approve the Chairs Recommendation on Outreach**
Motion made by Ms. Jones and seconded by Mr. Tapp. Motion passed.
3. Mr. Shields asked for a motion to approve the Chairs Recommendation on the DOE 10-Year Plan.
 - a. **3.9.22.3 Motion to approve the Chairs Recommendation on the DOE 10-Year Plan**
Motion made by Ms. Jones and seconded by Mr. Tapp. Motion passed

4. Mr. Shields asked for a motion to approve the February 9, 2022 Meeting Minutes.

a. 3.9.22.4 Motion to approve February 9, 2022 Meeting Minutes

Motion made by Ms. Lohmann and seconded by Ms. Jones. Motion passed.

Responses to Recommendations & Alternate DDFO Report

Ms. Noe told members there were no recommendations awaiting DOE response. She then told members it was still undecided whether the May meeting would be held in person or virtually, but she hoped to be able to give members a month's notice.

Committee Reports

Executive – Mr. Shields discussed the importance of generating interest in participating in ORSSAB and continuing to share Oak Ridge's successes and legacy.

EM & Stewardship – Mr. Tapp told members that all the current executives, with the exception of Ms. Jones, are in their final terms on the board, and he encouraged members to consider leadership positions on the board and EM and Stewardship Committee. He said serving as Vice Chair on the EM and Stewardship Committee is a great way to start learning for leadership on the board.

Additions to the Agenda & Open Discussion

None.

Action Items

Open

None

Closed

None

The meeting adjourned at 6:35 p.m.

I certify that these minutes are an accurate account of the March 9, 2022, meeting of the Oak Ridge Site Specific Advisory Board.

Leon Shields, Chair

Michelle Lohmann, Secretary

March 9, 2022

Oak Ridge Site Specific Advisory Board

ML/sm



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. **Name of Traveler:** Leon F. Shields
- II. **Date(s) of Travel:** 3/6/2022 – 3/10/2022
- III. **Location of Meeting:** Phoenix, AZ
- IV. **Name of Meeting:** Waste Management Symposia 2022
- V. **Purpose of Travel:** Attendance is critical in understanding the vital issues related the roles of the ORSSAB.

VI. Discussion of Meeting:

During the attendance of the 2022 Waste Symposia presentations and discussions involved a wide range of topics. A few highlights include Common goals for environmental programs, Environment clean up outreach programs, Environmental climates in communities and national laboratories.

VII. Significance to ORSSAB:

The participation that ORSSAB members take in the role of environmental management has direct impacts on the community surrounding the Oak Ridge Reservation. Participation in these types of conferences promote networking, education, and involvement with other partnering agencies to support the actions and decisions that members make in ORSSAB stewardship. Presentations at the Waste Management Symposia provides a variety of aspects in issues faced in decommissioning facilities with unique factors and placing those managed areas back to a safe, eco-friendly, and economic environment.

VIII. Topics of Discussion:

The 2022 Waste Management Symposia consisted of participants of organizations facing issues relating to various environmental impacts. The conference highlighted the technics and programs currently implemented to the environmentally friendly transition areas in communities across the country.

The Oak Ridge Reservation had four in-depth sessions with participants to discuss changing landscapes, new horizons, diverse missions, developing a new clean up workforce, and a post clean up prospectus. The panelist discussed various successes that our reservation had had in previous years and discussed the future plans to continue the projected outcome for our reservation and communities.

In other reservations, topics and discussions were routine of the stages and impacts of closure challenges including long term stewardship on legacy projects. Transportation and storage are a continued topic addressing the needs of EM projects and constant management to funding and projected timelines.

Panelist from other areas in the field discussed the impacts of recovering from the government shutdowns, operational disruptions, and recovering from Covid measures.

Discussions regarding stakeholders for storage, transportation, and disposal for SNF and HLW. Reviewing the revisions on US DOE 435.1 Regulations.

Discussion of the importance of returning to full operation in 2022 at the WIPP disposal facility.

Discussions of the workforce struggles several facilities are facing. Considering the aging workforce approaching retirement. Facilities like Los Alamos are starting nation wide campaigns to reach prospects in employment and talent development.

As usually experienced at the national meetings and conferences. Oak Ridge Reservation leads the way in the EM cleanup and legacy projects. The lessons learned here are asked, requested, and implemented around nationally.

IX. Action Items:

The conference lecturers presented various handouts regarding programs.

X. Traveler's Signature & Date:

Signature:  _____

Date: 4/20/22

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EMDF Information

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U.S. DEPARTMENT OF
ENERGY

OAK RIDGE OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

To successfully maintain the Department of Energy's (DOE) environmental management mission on the Oak Ridge Reservation (ORR), a new waste disposal facility is needed. The current disposal facility is nearing capacity but there is significant cleanup remaining. DOE has worked collaboratively with the U.S. Environmental Protection Agency (EPA) and Tennessee Department of Environment and Conservation (TDEC) to develop plans for a new facility—the Environmental Management Disposal Facility (EMDF). This facility will allow DOE to maintain its cleanup momentum in Oak Ridge, enhancing safety and enabling science and national security missions.

Public Meeting

Date: Tuesday, May 17, 2022

Time: 6 to 8 p.m.

Location: Pollard Technology Conference Center
210 Badger Ave, Oak Ridge, TN 37830

Public Comment Period

Timeframe for public comment:

May 9 to June 7, 2022

Comments may be submitted to DOE by email or U.S. mail:

Email:

OakRidgeEM@orem.doe.gov

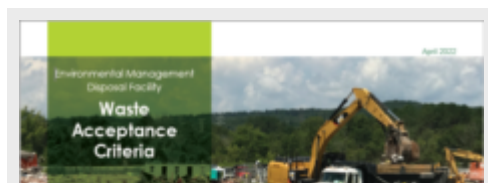
Mail:

Roger Petrie, OREM Regulatory Affairs, DOE Oak Ridge Operations
 P.O. Box 2001, Oak Ridge, TN 37831

Topics for Public Discussion



EMDF Site Groundwater Characterization fact sheet





FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
128	3/1/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Transmittal of the Proposed Plan for an Interim Record of Decision for Groundwater in Main Plant Area at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2921&D1)	DOEIC, Notified board officers of receipt
129	3/2/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Federal Facility Agreement Milestone Extension Request for Interim Phased Construction Completion Report for Exposure Units Z2-20, Z2-21, and Z2-22, in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2856&D2)	DOEIC, Notified board officers of receipt
130	3/2/2022	Petrie, DOE	Froede, EPA	EPA Suspends ETPP MPA GW D1 PP Review to Resolve D2 FFS	DOEIC, Notified board officers of receipt
131	3/3/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Federal Facility Agreement Milestone Extension Request for the Bethel Valley Interim Record of Decision Phased Construction Completion Report for the 3026-D Facility, Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-XXXX&D1)	DOEIC, Notified board officers of receipt
132	3/4/2022	Petrie, DOE	Young, TDEC	Federal Facility Agreement Milestone Extension Request for Interim Phased Construction Completion Report for Exposure Units Z2-20, Z2-21, and Z2-22, in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2856&D2)	DOEIC, Notified board officers of receipt
133	3/4/2022	Petrie, DOE	Young, TDEC	TDEC Comment Letter: North Tributary-8 Characterization Sampling and Analysis Plan Y-12 Bear Creek Burial Ground Oak Ridge, Tennessee (DOE/OR/01-2911&D1)	DOEIC, Notified board officers of receipt
134	3/7/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Federal Facility Agreement Milestone Extension Request for Zone 1 Groundwater Plumes Remedial Investigation Work Plan East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2903&D2)	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
135	3/9/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Federal Facility Agreement Milestone Extension Request for Remedial Investigation Work Plan for Remaining Ecology/Surface Water/Sediment at East Tennessee Technology Park (DOE/OR/01-2912&D2)	DOEIC, Notified board officers of receipt
136	3/9/2022	Petrie, DOE	Dawson, EPA	EPA Approval: NT-8 Characterization Sampling and Analysis Plan, Y-12 Bear Creek Burial Ground, Oak Ridge, Tennessee (DOE/OR/01-2911&D1)	DOEIC, Notified board officers of receipt
137	3/11/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Extension Request for Removal Action Report for Remaining Facilities Demolition Project at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2888&D2)	DOEIC, Notified board officers of receipt
138	3/11/2022	Petrie, DOE	Young, TDEC	Proposed Plan for an Interim Record of Decision for Groundwater in Main Plant Area at East Tennessee Technology Park Oak Ridge, Tennessee (DOE/OR/01-2921&D1)	DOEIC, Notified board officers of receipt
139	3/11/2022	Petrie, DOE	Young, TDEC	TDEC Approval Letter Federal Facility Agreement (FFA) Milestone Extension Request for the Exposure Unit-5 Waste Handling Plan DOE Letter Dated April 9, 2021	DOEIC, Notified board officers of receipt
140	3/14/2022	Petrie, DOE	Young, TDEC	TDEC Approval: Federal Facility Agreement Milestone Extension Request for the Bethel Valley Interim Record of Decision Phased Construction Completion Report for the 3026-D Facility, Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOEOR01-XXXX&D1)	DOEIC, Notified board officers of receipt
141	3/14/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Federal Facility Agreement Milestone Extension Request for Phased Construction Completion Report for Exposure Unit Z2-12 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2907&D2)	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
142	3/14/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Transmittal of the Addendum 14 to the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures with Work Plan/Technical Memorandum for Exposure Unit Z2-39 ETPP (DOE/OR/01-2224 & D5/A14)	DOEIC, Notified board officers of receipt
143	3/15/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Federal Facility Agreement Milestone Extension Request for Interim Phased Construction Completion Report for Exposure Units Z2-20, Z2-21, and Z2-22, in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2856&D2)	DOEIC, Notified board officers of receipt
144	3/15/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Federal Facility Agreement Milestone Extension Request for the Bethel Valley Interim Record of Decision Phased Construction Completion Report for the 3026-D Facility, Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-XXXX&D1)	DOEIC, Notified board officers of receipt
145	10/1/2021	Daffron, Felosi, Henry & Moore, DOE	Awasthi & Brahmbhatt, TDEC	Site Treatment Plan for Mixed Waste on the United States Department of Energy Oak Ridge Reservation- Submittal of the Annual Update and the Semiannual Progress Report	DOEIC, Notified board officers of receipt
146	11/29/2021	Morris, DOE	Awasthi & Brahmbhatt, TDEC	Notification of Completion of Fiscal Year 2022 Milestone for the Oak Ridge Reservation Site Treatment Plan, Table 3.6 Mixed Wastes	DOEIC, Notified board officers of receipt
147	1/4/2022	Felosi, DOE	Awasthi & Brahmbhatt, TDEC	Site Treatment Plan for Mixed Waste on the United States Department of Energy Oak Ridge Reservation- Dioxin and Furan Treatment Study Report	DOEIC, Notified board officers of receipt
148	2/2/2022	Felosi, DOE	Awasthi & Brahmbhatt, TDEC	Site Treatment Plan for Mixed Waste – Completion of Milestone to Complete a Liquid-Phase Dioxin and Furan Waste Treatment Study and Submit a Report to the Tennessee Department of Environment and Conservation	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
149	2/28/2022	Felosi, DOE	Awasthi & Brahmhatt, TDEC	Site Treatment Plan for Mixed Waste on the United States Department of Energy Oak Ridge Reservation (Version 26.0) - Sodium and Lithium Shields Status Report	DOEIC, Notified board officers of receipt
150	3/14/2022	Felosi, DOE	Awasthi & Brahmhatt, TDEC	Site Treatment Plan for Mixed Waste on the United States Department of Energy Oak Ridge Reservation (Version 26.0)- Submittal of a report describing the status and steps taken to find a treatment and disposal option for the Sodium and Lithium Shields	DOEIC, Notified board officers of receipt
151	3/16/2022	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Submittal of the Fiscal Year 2022 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility (DOE/OR/01-2923&D1)	DOEIC, Notified board officers of receipt
152	3/18/2022	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Transmittal of the Federal Facility Agreement Proposed Appendix J	DOEIC, Notified board officers of receipt
153	3/21/2022	Petrie, DOE	Young, TDEC	Department of Energy Oak Ridge Environmental Management Fiscal Year 2024 Budget Request	DOEIC, Notified board officers of receipt
154	3/21/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Extension Request for the Federal Facility Agreement for the Oak Ridge Reservation (FFA) milestone submittal date for the Zone 1 Groundwater Plumes Remedial Investigation Work Plan, ETPP (DOE/OR/01-2903&D2; D2 RIWP).	DOEIC, Notified board officers of receipt
155	3/21/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA's approval to extend the Federal Facility Agreement for the Oak Ridge Reservation FFA milestone submittal date for the D1 Waste Handling Plan WHP	DOEIC, Notified board officers of receipt
156	3/21/2022	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Transmittal of the 2022 Remediation Effectiveness Report for the U.S. Department of Energy Oak Ridge Site Oak Ridge, Tennessee, Data, and Evaluations (DOE/OR/01-2916&D1)	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
157	3/21/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Federal Facility Agreement Milestone Extension Request for Remedial Investigation Work Plan for Remaining Ecology/Surface Water/Sediment at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2912&D2)	DOEIC, Notified board officers of receipt
158	3/22/2022	Petrie, DOE	Young, TDEC	RE- Federal Facility Agreement Extension Request for Phased Construction Completion Report for Exposure Unit Z2-12 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (Z2-12 PCCR D2) (DOE/OR/01-2907&D2)	DOEIC, Notified board officers of receipt
159	3/22/2022	Petrie, DOE	Young, TDEC	RE: Federal Facility Agreement Milestone Extension Request for Remedial Investigation Work Plan for Remaining Ecology/Surface Water/Sediment at East Tennessee Technology Park, Oak Ridge, Tennessee (Remaining Media RIWP D2) (DOE/OR/01 -2912&02)	DOEIC, Notified board officers of receipt
160	3/22/2022	Petrie, DOE	Young, TDEC	TDEC Approval: Extension Request for Removal Action Report for Remaining Facilities Demolition Project at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2888&D2)	DOEIC, Notified board officers of receipt
161	3/22/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval of Milestone extension request for the Phased Construction Completion Report for Exposure Unit Z2-12 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee	DOEIC, Notified board officers of receipt
162	3/22/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA approval of 03-11-2022 extension request for Removal Action Report for Remaining Facilities Demolition Project at East Tennessee Technology Park, Oak Ridge, Tennessee(DOE/OR/01-2888&D: RmAR D2)	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
163	3/29/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the Waste Handling Plan for Demolition of the Isotope Row Facilities, Buildings 3029, 3030, 3031, 3032, 3033, 3033A, 3034, 3036, 3093, and 3118, ORNL (DOE/OR/01-2909&D1)	DOEIC, Notified board officers of receipt
164	3/30/2022	Petrie, DOE	Young, TDEC	TDEC Comments: Department of Energy's Transmittal of the Federal Facility Agreement FY2022 Proposed AppendixJ	DOEIC, Notified board officers of receipt
165	3/30/2022	Petrie, DOE	Young, TDEC	TDEC Comments: Re: Letter Dated March 7, 2022, Titled "Federal Facility Agreement Milestone Extension Request for Zone 1 Groundwater Plumes Remedial Investigation Work Plan East Tennessee Technology Park, Oak Ridge, Tennessee (DOEIOR/01-1903&O2)"	DOEIC, Notified board officers of receipt
166	3/30/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	FINAL Transmittal of the Phased Construction Completion Report for Exposure Unit Z2-40 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOEOR01-2906&D2)	DOEIC, Notified board officers of receipt
167	3/31/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Comments: Federal Facility Agreement Proposed Appendix J	DOEIC, Notified board officers of receipt
168	3/31/2022	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Submittal of Federal Facility Agreement Extension Request for Record of Decision for Comprehensive Environmental Response, Compensation, and Liability Act	DOEIC, Notified board officers of receipt
169	3/31/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval Federal Facility Agreement Extension Request for Record of Decision for Comprehensive Environmental Response, Compensation, and Liability Act Oak Ridge Reservation Waste Disposal at the Environmental Management Disposal Facility, Oak Ridge, Tennessee (DOE/OR/01-2794&D2)	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
170	4/1/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Addendum 13 to the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures with Work Plan/Technical Memorandum for Exposure Unit Z2-13 East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR-01-2224&D5/A13/R1)	DOEIC, Notified board officers of receipt
171	4/4/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the WBV 1, WBV 3, WBV 5, WBV 7, and EU 9 Addendum A4 to the Remedial Design Report/Remedial Action Work Plan for Soils, Sediments, and Dynamic Characterization Strategy for the Bethel Valley, Oak Ridge, Tennessee (DOE/OR/01-2378&D5/A4)	DOEIC, Notified board officers of receipt
172	4/7/2022	Petrie, DOE	Young, TDEC	Federal Facility Agreement (FFA) Extension Request (March 31, 2022) for Environmental Management Disposal Facility (EMDF) Record of Decision (ROD) (DOE/OR/01-2794&D2) and Remedial Design Work Plan (RDWP)	DOEIC, Notified board officers of receipt
173	4/8/2022	Petrie, DOE	Young, TDEC	TDEC Comments: Re: 2021 Fifth CERCLA Five-Year Review of the U.S. Department of Energy Oak Ridge Site, Oak Ridge Tennessee (DOE/OR/01-2895&D2)	DOEIC, Notified board officers of receipt
174	4/11/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval to Extend the Federal Facility Agreement for the Oak Ridge Reservation FFA milestone transmittal date of 2021 Fifth CERCLA Five-Year Review of the USDOE	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
175	4/12/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Transmittal of the Addendum 1 to the Fiscal Year 2008 Phased Construction Completion Report for EU Z2-33 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2368&D2/A1/R1)	DOEIC, Notified board officers of receipt
176	4/6/2022	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Final Federal Facility Agreement Milestone Extension Request for Transmittal of 2021 Fifth CERCLA Five-Year Review of the U.S. Department of Energy Oak Ridge Site, Oak Ridge, Tennessee (DOE/OR/01-2895&D2)	DOEIC, Notified board officers of receipt
177	4/13/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the Molten Salt Reactor Experiment Remedial Investigation Work Plan (DOE/OR/01-2881&D1)	DOEIC, Notified board officers of receipt
178	4/14/2022	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Final Submittal of an Erratum to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (DOE/OR/01-2477&D4)	DOEIC, Notified board officers of receipt
179	4/14/2022	Petrie, DOE	Young, TDEC	2022 Update of the Public Involvement Plan for CERCLA Activities at the U.S. Department of Energy Oak Ridge Site (OREM-22-7619)	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
180	4/18/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Final Transmittal of the Phased Construction Completion Report for Ecological Risk Sites in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee (DOEOR01-2901&D2)	DOEIC, Notified board officers of receipt
181	4/19/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Final Transmittal of the Addendum to the Waste Handling Plan for Surveillance & Maintenance Activities at the Oak Ridge National Laboratory, Oak Ridge, Tennessee: Molten Salt Reactor Experiment Area Groundwater Well Installation (DOE/OR/01-2565&D2/A6)	DOEIC, Notified board officers of receipt
182	4/19/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the Remedial Design Report/Remedial Action Work Plan for Demolition of the Oak Ridge Graphite Reactor Support Facilities, Buildings 3002, 3003, and 3018, Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2905&D2)	DOEIC, Notified board officers of receipt
183	4/20/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Transmittal of the Record of Decision for Final Soil Actions in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2711&D3)	DOEIC, Notified board officers of receipt
184	4/25/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Final Transmittal of the 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: Demolition of the Isotope Row Facilities, Buildings 3029, 3030, 3031, 3032, 3033, 3033a, 3034, 3036, 3093, and 3118 (DOE/OR/01-2428&D2/A10)	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
185	4/25/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Federal Facility Agreement Request for the Interim Phased Construction Completion Report for Exposure Units Z2-20, Z2-21 and Z2-22 in Zone 2	DOEIC, Notified board officers of receipt
186	4/26/2022	Petrie, DOE	Young, TDEC	TDEC Comments Re: TDEC Comment Response Letter for the East Tennessee Technology Park Main Plant Groundwater Focused Feasibility Study for 6 Initial CVOC Source Areas (FFS), Oak Ridge, Tennessee (DOE/OR/01 -2894&D2)	DOEIC, Notified board officers of receipt
187	4/26/2022	Petrie, DOE	Jones, EPA	EPA Comments on Transmittal of the Draft Covenant Deferral Request for the Proposed Title Transfer of Portions of Exposure Units (EUS) Z2-32, Z2-33, Z2-37, Z2-41, and all of Z2-42 (4-27-22)	DOEIC, Notified board officers of receipt
188	4/27/2022	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	Response to Comments Related to the 2022 Proposed Appendix J	DOEIC, Notified board officers of receipt
189	4/27/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Transmittal of the Addendum 11 to the Remedial Design Report Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures for Exposure Unit Z2-16 with Work	DOEIC, Notified board officers of receipt
190	4/27/2022	Petrie, DOE	Froede, EPA	EPA Comments RE: the revised East Tennessee Technology Park Main Plant Groundwater Focused Feasibility Study Oak Ridge, Tennessee (DOE/OR/01-2894&D2)	DOEIC, Notified board officers of receipt
191	4/27/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval of Erratum to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (DOE/OR/01-2477&D4)	DOEIC, Notified board officers of receipt
192	4/27/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Transmittal of the Phased Construction Completion Report for Exposure Unit Z2-12 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOEOR01-2907&D2)	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
193	4/28/2022	Urquhart-Foster, EPA & Young, TDEC	Felosi & Petrie, DOE	Transmittal of the Addendum to the Remedial Action Work Plan/ Waste Handling Plan for Liquid And Gaseous Waste Operations at the Oak Ridge National Laboratory, Oak Ridge, Tennessee: Facility and Equipment Deactivation/Small-Scale Demolition (DOE/OR/01-2830&D1/A1/R1)	DOEIC, Notified board officers of receipt
194	4/28/2022	Petrie, DOE	Young, TDEC	TDEC Approval: Erratum to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (DOE/OR/01-2477&D4)	DOEIC, Notified board officers of receipt
195	4/28/2022	Petrie, DOE	Young, TDEC	TDEC Approval: Phased Construction Completion Report for Exposure Unit Z2-40 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2906&D2)	DOEIC, Notified board officers of receipt
196	4/29/2022	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Federal Facility Agreement Milestone Extension Request for the Y-12 National Security Complex North Tributary-8 Engineering Evaluation/Cost Analysis, Action Memorandum, and Removal Action Work Plan	DOEIC, Notified board officers of receipt
197	5/2/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Comments RE: Phased Construction Completion Report for Exposure Unit Z2-40 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2906&D2; D2 Z2-40 PCCR)	DOEIC, Notified board officers of receipt
198	5/2/2022	Urquhart-Foster, EPA & Young, TDEC	Carden & Petrie, DOE	Transmittal of the Phased Construction Completion Report for Exposure Unit Z2-25 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2918&D1)	DOEIC, Notified board officers of receipt
199	5/2/2022	Petrie, DOE	Young, TDEC	TDEC Comments: Federal Facility Agreement Request for the Interim Phased Construction Completion Report for Exposure Unit Z2-20, Z2-21, and Z2-22 in Zone 2, ETPP	DOEIC, Notified board officers of receipt



FY 2022 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
200	5/2/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval: Federal Facility Agreement Request for the Interim Phased Construction Completion Report for Exposure Units Z2-20, Z2-21 and Z2-22 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2856&D2)	DOEIC, Notified board officers of receipt
201	5/3/2022	Petrie, DOE	Urquhart-Foster, EPA	EPA request for Operable Units (OU) specification for Upcoming Five-Year Reviews (FYRs)	DOEIC, Notified board officers of receipt
202	5/3/2022	Petrie & Cooke, DOE	Jones, EPA	EPA Supplemental Comments RE: Draft Covenant Deferral Request (CDR) for the Proposed Title Transfer of Portions of Exposure Units (EUs) Z2-32, Z2-33, Z2-37, Z2-41 and all of EU Z2-42	DOEIC, Notified board officers of receipt

**ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD
IN OAK RIDGE**

BIOGRAPHIES

Thomas Geissberger (Knox County). is a recent college graduate who works at the Knoxville Area Rescue Mission and was previously employed as a team director for the Tennessee Clean Water Network nonprofit since 2019. He graduated with a B.S. in Geology and Environmental Studies from the University of Tennessee in 2020 and received an A.A. in General Studies from Pellissippi State Community College. He is a member of the Phi Sigma Theta National Honor Society and Phi Kappa Phi Honor Society, completed the tAchieves Program, and was selected for the Oak Ridge Associated Universities Higher Education Research Experience Program during his time as a student. He is interested in environmental and public health issues and lives in Knoxville.

Chris Hampel (Roane County). Mr. Hampel owns and operates a small business, Pressure Washing Solutions, which he formed in 2016. He previously worked at Energy Solutions, which is a contractor to DOE at the Oak Ridge site. Mr. Hampel has a high school education and trade skill training related to his work experience. He is interested in minority and business issues. He is a resident of Kingston, Tennessee, and was appointed to the board in December 2020.

Lorna Hollowell (Knox County). has served as the assistant director of education and development in the Office of Equity and Diversity at the University of Tennessee, Knoxville since September 2019. She holds an M.S. in education from the University of Minnesota, Duluth and a B.S. in Organizational Management from Oakland City University. She is currently pursuing a Ph.D. in Higher Education Administration from the University of Tennessee and expects to graduate in 2026. She is interested in educational issues and minority issues. She lives in Knoxville.

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 owned her own business, 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. She was appointed to the board in July 2019 and currently serves as vice chair of the EM SSAB in Oak Ridge.

Noah Keebler (Knox County). As of January 2021, 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 was appointed to the board in July 2019, and is a resident of Knoxville, Tennessee.

Michelle Lohmann (Knox County). Ms. Lohmann is senior director of talent acquisition and brand and former human resources director for U.S. Cellular, where she has been since February 2011. Previously, she was the program manager for the University Recruiting and Graduate Education Programs for ORNL/UT. Ms. Lohmann is a member of the Loudon County Boys and Girls Club Advisory Board and has an interest in economic development and environmental issues. A high school graduate, Ms. Lohmann resides in Knoxville, Tennessee. She was appointed to the board in June 2017 and currently serves as secretary of the EM SSAB in Oak Ridge.

Gregory Malone (Roane County). Mr. Malone is a retired medical products development consultant. He operated Malone and Associates, Inc., an independent consulting firm, until 2019. Mr. Malone received a B.S. in Engineering with a Welding and Manufacturing concentration from Ohio State University. He is a member of the Oak Ridge Sportsmen's Association and a volunteer for the Great Smoky Mountains National Park. He is interested in environmental and economic development issues. Mr. Malone is a resident of Rockwood, Tennessee, and was appointed to the board in December 2020.

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 president of the Oak Ridge League of Women Voters and a member of Tennessee Citizens for Wilderness Planning. Ms. McCurdy is a resident of Oak

Ridge, Tennessee, and is interested in civic and educational issues. She was appointed to the board in February 2019.

Marité Pérez (Knox County). Ms. Pérez is a mortgage loan officer at First Community Mortgage. Previously, she worked in a similar position with Mortgage Investors Group. Ms. Perez has also worked with Latin and Haitian communities in the Dominican Republic as a community economic development advisor through the Peace Corps. She has additional business experience as business development manager for a local solar firm ARiES Solar. Ms. Pérez is chair of Centro Hispano of East Tennessee, a nonprofit which promotes empowerment and civic participation of the multicultural community through education and social services. She is also vice chair of the National Association of Hispanic Real Estate Professionals. Ms. Pérez has a B.S. in Social Sciences/Foreign Affairs from Florida State University and an M.B.A. in Global Social Sustainable Enterprise from Colorado State University. She is interested in environmental issues. Ms. Pérez is a resident of Knoxville, Tennessee, and was appointed to the board in July 2018.

Georgette Samaras (Anderson County). Ms. Samaras is director of community outreach for the local hospital system Covenant Health. She has also served as an adjunct instructor of Psychology at Pellissippi State Technical Community College since mid-2018. She is pursuing a Doctorate in Educational Leadership and Organizational Development, received an M.S. in Behavioral Psychology from Walden University, and a B.S. in Molecular, Cellular, and Developmental Psychology from the University of Colorado. Ms. Samaras is also a certified mind-body instructor through the Center for Mind Body Medicine. She is a volunteer with the USA Track and Field Federation and the Cancer Support Community. She is interested in environmental issues. Ms. Samaras resides in in Clinton, Tennessee, and was appointed to the board in July 2019.

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 for DOE. It provides science, education, workforce development, and health services that include some Oak Ridge EM areas such as decontamination verifications to support cleanup. He received an A.S. in Computer Programming from ITT Technical Institute and is pursuing a B.S. in Business Administration from Tusculum University. Mr. Sharpe is interested in civic and environmental issues. He is a resident of Lenoir City, Tennessee, and was appointed to the board in December 2020. He currently serves as the vice chair of the EM & Stewardship Committee for EM SSAB in Oak Ridge.

Leon Shields (Loudon County). Mr. Shields is the director of water, wastewater, and natural gas operations for the Lenoir City Utilities Board in Lenoir City, Tennessee, where he has worked for over 27 years. He is also the owner of Instructional Concepts, which provides training in industrial, public, and private application of firearms, explosives, vehicle extrication, and rescue operations. He is a firearms instructor/deputy for the Loudon County Sheriff's Office, an instructor/third party examiner for the State of Tennessee, a firefighter director with Loudon County Fire Rescue, chairman of the

Lenoir City Planning Commission/Board of Zoning Appeals, a commissioner with the Lenoir City Housing Authority/Rural Development, secretary for the Loudon County Regional Board of Zoning Appeals, and a commissioner with the Loudon County Regional Planning Commission. A high school graduate, Mr. Shields is a member of several civic organizations, including the Boys and Girls Clubs of Tennessee Valley, Lenoir City High School Technical Advisory Board, Loudon County Chamber of Commerce, Demolay International, and the Fraternal Order of Police. Mr. Shields has an interest in environmental issues. Mr. Shields resides in Lenoir City, Tennessee. He was appointed to the board in June 2017 and currently serves as chair of the EM SSAB in Oak Ridge.

Bonnie Shoemaker (Anderson County). Ms. Shoemaker retired in 2008 after 34 years at the DOE East Tennessee Technology Park and ORNL working in a variety of capacities, including chemical laboratory analyst, environmental compliance specialist, plant shift superintendent, emergency management specialist, and engineering technician. She is the recipient of two awards for operations and technical support in environmental compliance and emergency management. Ms. Shoemaker received her B.S. in Biology from UT. She has an interest in environmental and public health issues. Ms. Shoemaker is a resident of Clinton, Tennessee. She was appointed to the board in June 2017 and currently serves as chair of the EM & Stewardship Committee for EM SSAB in Oak Ridge.

Fredric Swindler (Roane County). Mr. Swindler retired in 2013 as vice president and consultant for quality assurance and regulatory affairs with IsoRay Medical, Inc. in Richland, Washington. He occasionally provides consulting services with Vivos, Inc., a medical device manufacturer in Richland, Washington (no DOE or EM work). He was previously employed as a vice president for quality assurance and regulatory affairs with two other medical manufacturing companies. Mr. Swindler received a B.S. in Biological Engineering from Rose Hulman Institute of Technology in Terre Haute, Indiana, and an M.B.A. from the University of Evansville, Indiana. He is a senior member of the American Society for Quality and has an interest in environmental and public health issues. Mr. Swindler is a resident of Rockwood, Tennessee. He was appointed to the board in July 2016.

John Tapp (Knox County). Dr. Tapp is a civil and environmental engineer with nearly 50 years of experience in all areas of environmental protection and restoration, including private and public utility management, civil and environmental engineering, strategic planning, budgeting, and project development. Dr. Tapp has recently worked for Electric Utility Disaster Specialists, Inc. as an independent technical assistance consultant for the Federal Emergency Management Agency in the water and wastewater field with deployments to the U.S. Virgin Islands and the California Camp Wildfire. Prior work included HDR-ICA Engineering, where he provided consulting in a broad range of areas, including environmental permitting and interaction with state and federal regulatory agencies, and work with the Kentucky Infrastructure Authority, where he managed the statewide planning effort for the Authority. Dr. Tapp spent most of his career as a founding partner in Commonwealth Technology, an environmental and engineering

consulting firm, and previously worked with the Kentucky Division of Water, EPA, and the U.S. Public Health Service. Dr. Tapp received his B.S. and M.S. degrees in Civil Engineering and his Ph.D. in Agricultural Engineering from the University of Kentucky. Dr. Tapp has an interest in environmental and economic development issues. He is a member and past president of the Kentucky-Tennessee Water Environment Association, a member of the Water Environment Federation, the Karns Community Club, and the Enhance Powell Committee. Dr. Tapp lives in Powell, Tennessee. He was appointed to the board in June 2017.

Thomas Tuck (Knox County). Mr. 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. Mr. Tuck received a B.S. in Business and Marketing from 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 a resident of Knoxville, Tennessee, and was appointed to the board in December 2020.

Rudolf Weigel (Anderson County). Mr. Weigel is a retired industrial hygienist who most recently worked for Concurrent Technologies Corporation in Arlington, Virginia, conducting industrial hygiene surveys at various Army installations in support of the Army Public Health Command until 2015. From 2002 to 2011 he served as a senior industrial hygienist/safety and health representative with Bechtel Jacobs Company in Oak Ridge, Tennessee. His 36-year career has included work as a bioenvironmental engineer, environmental scientist, and hazardous waste program coordinator. Mr. Weigel received a B.S. in Occupational Safety and Health from Utah State University, and an M.S. in Environmental Health from East Tennessee State University. He was a member of the American Conference of Governmental Industrial Hygienists. He has an interest in environmental and decontamination and decommissioning issues. Mr. Weigel is a resident of Oak Ridge, Tennessee. He was appointed to the board in July 2016.

Zachary Wilkins (Morgan County). Since November 2019, Mr. Wilkins has been a senior industrial hygiene technician with DOE subcontractor Value Added Solutions, Inc., which provides professional services to support the cleanup and reindustrialization efforts at the Oak Ridge site. From August 2018 to November 2019, he was a laborer for UCOR. Mr. Wilkins received an A.A.S. in Environmental Health from Roane State Community College. He is interested in environmental issues and is a resident of Wartburg, Tennessee, and was appointed to the board in December 2020. Mr. Wilkins received an A.A.S. in Environmental Health from Roane State Community College. He is interested in environmental issues and is a resident of Wartburg, Tennessee, and was appointed to the board in December 2020.