

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, March 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.

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AGENDA

PRESENTER BIO

CALENDARS

1. March
2. April (draft)

BOARD MINUTES/RECOMMENDATIONS & MOTIONS

1. Draft February 8, 2023 Full Board Meeting minutes for approval

REPORTS & MEMOS

1. Abbreviations & Acronyms
2. FY 2023 Incoming Correspondence
3. FY 2023 Travel Opportunities
4. Public Comment #1
5. Member Bios



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

- I. Welcome and announcements (L. Shields) 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: FY 2025 Budget Request (K. Thompson)..... 6:10–6:30
Issue Group: *Butler, Conner, Jones, Lohmann, McCurdy, 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**..... 6:30–6:40
 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, March 13, 2023.*
- V. Call for additions & motion to approve agenda (L. Shields) 6:50
 A. Requests for new action items
 B. Next meeting – EM/Stewardship meets March 22 to discuss the DOE FY 2025 Budget Development. The Board next meets May 10 to discuss East Tennessee Technology Park Main Plant Groundwater Remedy Selections.
- *This ends the presentation portion of the meeting – presenters and subject experts may depart.* —————
- VI. Board Business (L. Shields) 7:00–7:10
 A. Vote to Approve Previous Meeting Minutes
 a. Minutes of February 8, 2023
- VII. Responses to recommendations & alternate DDFO’s report (M. Noe) 7:10–7:15
- VIII. Committee reports 7:15–7:20
 A. EM/Stewardship (M. Sharpe)
- IX. Additions to agenda & closing remarks (Shields)..... 7:20–7:30
- X. Adjourn 7:30

5/21/18

Karen Thompson, DOE

Presenter Bio

Karen Thompson is the Branch Chief for the Planning and Baseline Management Branch for the Oak Ridge Office of Environmental Management. In this capacity, she supports the Division Director and Associate Director of the Planning and Execution Division and the integrated project teams in strategic planning, budget development, and performance tracking and reporting.

Previously to her selection in November 2014, she was the Project Control Lead for the East Tennessee Technology Park work scope. She has also served as the K-25 Historic Preservation Coordinator between July 2012 and June 2015.



Oak Ridge Site Specific Advisory Board

March

2023

Topic: Groundwater Remedies

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			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 EM SSAB Chairs Meeting in Washington D.C.	22 EM & Stewardship Committee Meeting – 6 p.m. (hybrid) EM SSAB Chairs Meeting in Washington D.C.	23	24	25
26	27	28	29	30	31	

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

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

DOE Information Center: (865) 241-4780



Oak Ridge Site Specific Advisory Board

April (draft)

2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Executive Committee meeting – 4 p.m. (virtual)	2	3	4
5	6	7	8 No board meeting	9	10	11
12	13	14	15	16	17	18
19	20	21	22 EM & Stewardship Committee meeting – if needed	23	24	25
26	27	28	29			

For information about attending meetings virtually or in person, 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 February 8, 2023 Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held its monthly meeting virtually via Zoom and in person at 1 Science.gov Way on Wednesday, February 8, 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
Noah Keebler
Michelle Lohmann
Mike Mark
Thomas McCormick

Harriett McCurdy
Christine Michaels
Michael Sharpe
Leon Shields
Bonnie Shoemaker

Members Absent

John Tapp

¹Third consecutive absence

Liaisons, Deputy Designated Federal Officer, and Alternates Present

Jay Mullis, Oak Ridge Office of Environmental Management (OREM) General Manager
Dennis Mayton, OREM
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, U.S. Environmental Protection Agency (EPA)

Others Present

Shelley Kimel, ORSSAB Support Office
Sara McManamy-Johnson, ORSSAB Support Office
Emily Day, UCOR
Mark Maki, OREM

Erin Sutton, OREM
Brad Stephenson, TDEC
L'Tonya Spencer-Harvey, EPA
Carl Froede, EPA
Scott Anderson, UCOR
Conner Ingram, UCOR

Three members of the public were present.

Liaison Comments

Mr. Mullis – Mr. Mullis began the meeting by introducing new board members: Atilio Anzellotti, Kris Bartholomew, Mary Butler, Harold Conner, Jr., Paul Dill, Michael Mark, and Christine Michaels. He then gave members a brief update on achievements within the cleanup program since the board met last. He said UCOR took over operations at the Transuranic Waste Processing (TWP) late last year, and it has been a smooth transition. He then discussed OREM's recent public outreach regarding the planned Environmental Management Disposal Facility (EMDF), including a public information meeting held in December. Next, he said there is a public comment period planned for the spring regarding groundwater remedy selections at East Tennessee Technology Park (ETTP). He then moved on to the K-25 Viewing Platform planned for ETTP, and he said the project is moving along and the goal is to have a groundbreaking in the summer. Lastly, he highlighted OREM's recently launched news program, Energy Cast.

L'Tonya Spencer-Harvey – No comments.

Mr. Czartoryski – No comments.

Presentation

Ms. Lohmann introduced Dennis Mayton, presenter for the evening's topic on Ensuring Sufficient Waste Disposal Capacity for the Oak Ridge Reservation.

Mr. Mayton began his presentation by giving members an overview of the Oak Ridge Reservation's (ORR) current waste disposal facilities. He described the hierarchy used for making waste disposal decisions, and he said disposal options include recycle/reuse, sanitary waste ORR landfills, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) waste landfills – including the Environmental Management Waste Management Facility (EMWMF), and shipping offsite.

Next, he gave an overall volume comparison of waste disposed of offsite versus onsite before then describing the locations of onsite disposal facilities supporting cleanup operations. He told members that onsite disposal facility capacity has been key to the success of ETTP cleanup. He then gave members an overview of EMWMF and its capacity and said the facility's remaining capacity supports completion of ETTP cleanup. He then gave members an overview of the cleanup required at the Oak Ridge National Laboratory (ORNL) and Y-12 National Security Complex (Y-12) and said additional waste disposal

capacity will be needed to complete these. He said EMWMF is expected to be nearly full at the end of the 2020s.

Mr. Mayton said DOE's Oak Ridge FY 2023 budget sustains cleanup momentum.

Next, Mr. Mayton gave additional details on permitted ORR landfills and the status of the planned EMDF. He described the waste disposal planning, operation, and oversight processes to be used with EMDF to offer multiple layers of protective mechanisms. He then outlined OREM outreach activities performed and planned for the EMDF project, and he described the steps remaining before EMDF construction can begin.

After the presentation, board members asked the following questions:

- Ms. Shoemaker asked whether waste acceptance criteria for EMDF has been established yet. She then asked how frequently water discharges from the facility will be monitored.
 - Mr. Petrie said waste acceptance criteria has not been completely established, however some aspects have been. He said the facility will not accept any transuranic (TRU) waste, listed hazardous waste, or mercury-characteristic waste. He said water discharge monitoring frequency has not been established yet.
- Mr. Conner asked when work will begin on rerouting the haul road and what impact that would have on groundwater remediation at ETP.
 - Mr. Mayton said that will start later this summer. He said the work on the haul road will be scheduled to occur on weekends to avoid interfering with other work.
- Ms. Butler asked whether the current EMDF completion timeline will still allow for a two-year operational overlap with EMWMF.
 - Mr. Mayton said OREM is looking at making adjustments to the timing of deactivations to create more of an operational overlap with EMDF and EMWMF.
 - Mr. Petrie added that OREM is also looking at ways to extend the life of EMWMF to create more of an overlap. He said they're trying to find ways to segregate waste to send more to other landfills or reuse materials. He added that doing so increases the required amount of characterization, so it's a tradeoff.
 - Mr. Mullis said an important metric to remember is that the majority of the costs and the hazardous materials are in the "de-ac" or "pre-demo" work. He said once that work is done, it's usually much cheaper to remove the building itself because usually the structure itself is not that contaminated.
- Mr. Conner added that EMWMF has been a complete success in the investment of time and effort over the years and the safety aspect has been remarkable.

- Ms. Shoemaker added there have been a lot of lessons learned from EMWMF.
- Mr. Mullis said a lot of the lessons learned from EMWMF have gone into the design for EMDF.
- Ms. McCurdy asked how the required cleanup is determined.
 - Mr. Petrie gave an overview of the building characterization/inspection process.
- Mr. Anzellotti asked what would happen if any of the fill demonstration tests don't pass.
 - Mr. Mayton said they are not "go or no-go" tests, so they would result in design changes.
- Mr. Bartholomew asked what will happen to EMWMF when it is shut down.
 - Mr. Petrie said it will be capped and maintained in perpetuity by DOE.

Questions from the Public

- Mr. Sid Jones asked what data was used to develop the pie chart used on slide 4 in the presentation. He then commented on the importance of developing reasonable waste acceptance criteria for EMDF.
 - Mr. Petrie said that pie chart was constructed from data of not only what went into EMWMF, but also OREM's inventory of TRU waste, activity for material that is still to be disposed of, including materials from reactors ORNL, and a variety of other materials.

Public Comment

Mr. Doug Colclasure submitted a public comment via email before the meeting (see attached Public Comment #1).

Board Business/Motions

1. Mr. Shields asked for a motion to approve the October 12, 2022 meeting minutes.
 - a. **2.8.23.1 Motion to approve the October 12, 2022 meeting minutes**
Motion made by Ms. McCurdy and seconded by Ms. Butler. Motion passed.
2. Mr. Shields asked for a motion to approve the November 9, 2022 meeting minutes.
 - a. **2.8.23.1 Motion to approve the November 9, 2022 meeting minutes**
Motion made by Ms. Shoemaker and seconded by Mr. Dill. Motion passed.

Responses to Recommendations & Alternate DDFO Report

Ms. Noe told members there are no open recommendations and she encouraged members to sign up for issue groups. She then reminded members that the Spring Chairs Meeting will be held in Washington

D.C. in March and that Oak Ridge will host the Fall Chairs Meeting this year.

Committee Reports

Executive – None.

EM & Stewardship – None.

Additions to the Agenda & Open Discussion

None.

Action Items

Open

None

Closed

None

The meeting adjourned at 7:12 p.m.

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

Leon Shields, Chair

Michelle Lohmann, Secretary

March 8, 2023

Oak Ridge Site Specific Advisory Board

ML/sm

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
DDFO – Deputy Designated Federal Officer
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
Y-12 – Y-12 National Security Complex
ZPR – Zero Power Reactor



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
97	2/1/2023	Conner, ORSSAB	Noe, DOE	Final Appointment of Membership to the U.S. Department of Energy Office of Environmental Management Site Specific Advisory Board in Oak Ridge	DOEIC, Notified board officers of receipt
98	2/1/2023	Michaels, ORSSAB	Noe, DOE	Final Appointment of Membership to the U.S. Department of Energy Office of Environmental Management Site Specific Advisory Board in Oak Ridge	DOEIC, Notified board officers of receipt
99	2/1/2023	Urquhart-Foster, EPA & Young, TDEC	Petrie, DOE	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
100	2/1/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of The Erratum Pages for The Zone 1 Groundwater Plumes Remedial Investigation Work Plan East Tennessee Technology Park	DOEIC, Notified board officers of receipt
101	2/2/2023	Petrie, DOE	Urquhart-Foster, EPA	: EPA Approval: Federal Facility Agreement Extension Request for 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 Bethel Valley, Oak Ridge, Tennessee (DOE/OR/01-2378&D5/A4/R1)	DOEIC, Notified board officers of receipt
102	2/3/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Non-Significant Change to the Record of Decision for Phase I Interim Source Control Actions in Upper East Fork Poplar Creek Characterization Area, Oak Ridge, Tennessee (DOE/OR/01-1951&D3)	DOEIC, Notified board officers of receipt
103	2/3/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Addendum 1 (EU Z2-18) to the Fiscal Year 2009 Phased Construction Completion Report for Zone 2 Exposure Units 11, 12, 17, 18, 29, and 38 at East Tennessee Technology	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
104	2/3/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Comments: Non-Significant Change to the Record of Decision for Phase I Interim Source Control Actions in Upper East Fork Poplar Creek Characterization Area, Oak Ridge, Tennessee (DOE/OR/01-1951&D3)	DOEIC, Notified board officers of receipt
105	2/6/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval - Request to extend the FFA milestone submittal date for the Proposed Plan for a ROD for Groundwater in the K-31-K-33 Area at the ETPP (DOE-OR-01-2922&D2)	DOEIC, Notified board officers of receipt
106	2/7/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval Erratum to the East Tennessee Technology Park (ETTP) Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan (CMP), Oak Ridge, Tennessee (DOE/OR/01-2477&D4)	DOEIC, Notified board officers of receipt
107	2/7/2023	Petrie, DOE	Addams, EPA	EPA Comments: Phased Construction Completion Report for the Zone 1 Powerhouse Area Electrical Vault at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2828&D3)	DOEIC, Notified board officers of receipt
108	2/8/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	FFA Milestone Extension Request for the ROD for Final Soil Actions in Z1 ETPP (DOE/OR/01-2711&D4)	DOEIC, Notified board officers of receipt
109	2/8/2023	Distribution	Noe, DOE	Member recruitment for ORSSAB	DOEIC, Notified board officers of receipt
110	2/10/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Approval for February 8, 2023, request to extend the Federal Facility Agreement (FFA) milestone submittal date	DOEIC, Notified board officers of receipt
111	2/13/2023	Petrie, DOE	Young, TDEC	TDEC Approval Addendum 7 (Exposure Unit 22-41 Final) to the Fiscal Year 2007 Phased Construction Completion Report for the Zone 2 Soils, Slabs, and Subsurface Structures at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE-OR-01-2723&D2-A7-R1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
112	2/13/2023	Petrie, DOE	Young, TDEC	TDEC Approval: FFA Milestone Extension Request for the ROD for Final Soil Actions in Zone 1, ETPP, OR, TN (Z-1 Final Soils ROD D4) (DOE-OR-01-2711&D4)	DOEIC, Notified board officers of receipt
113	2/14/2023	Petrie, DOE	Young, TDEC	TDEC Comment letter Addendum 15 to the RDR-RAWP for Zone 2 Soils, Slabs, and Subsurface Structures at ETPP WM in Exposure Unit 22-13 (DOE-OR-01-2224&D5-A15)	DOEIC, Notified board officers of receipt
114	2/14/2023	Petrie, DOE	Young, TDEC	TDEC Approval Letter to the Erratum Pages for the 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
115	2/14/2023	Urquhart-Foster, EPA & Young, TDEC	Henry & Petrie, DOE	Transmittal of The Addendum to The Action Memorandum for the Y-12 Facilities Non-Time Critical Removal Action Deactivation-Demolition Project, Oak Ridge, Tennessee (DOE-OR-01-2462&D2-A1-R1)	DOEIC, Notified board officers of receipt
116	2/15/2023	Petrie, DOE	Froede, EPA	EPA Comments: Erratum pages for the 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
117	2/15/2023	Petrie, DOE	Richards, EPA	EPA Approval for Waste Handling Plan for Demolition of the Oak Ridge Graphite Reactor Support Facilities, Buildings 3002, 3003, and 3018, & Sampling and Analysis Plan for Demolition of Oak Ridge Graphite Reactor Support Facilities [UCOR-5558] Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2904&D1), Dec 2022	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
118	2/17/2023	Petrie, DOE	Froede, EPA	EPA Comments: Remedial Design Report/Remedial Action Work Plan for the Environmental Management Disposal Facility for the Disposal, Oak Ridge, Tennessee, Early Site Preparation Activities (DOE/OR/01-2934&D1)	DOEIC, Notified board officers of receipt
119	2/18/2023	Petrie, DOE	Andrews, EPA	EPA Approval: Addendum 1 (EU Z2-18) to the Fiscal Year 2009 Phased Construction Completion Report for Zone 2 Exposure Units 11, 12, 17, 18, 29, AND 38 at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2415&D2/A1/R1)	DOEIC, Notified board officers of receipt
120	2/18/2023	Petrie, DOE	Andrews, EPA	EPA Approval: Addendum 2 to the Fiscal Year 2006 Phased Construction Completion Report for the Zone 2 Soils, Slabs, and Subsurface Structures (Exposure Unit Z2-42) at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2317&D2/A2/R1)	DOEIC, Notified board officers of receipt
121	2/21/2023	Petrie, DOE	Urquhart-Foster, EPA	Federal Facility Agreement Appendix 1-5 Information Assessment for East Tennessee Technology Park, Oak Ridge, Tennessee (UCOR-5588)	DOEIC, Notified board officers of receipt
122	2/22/2023	Petrie, DOE	Young, TDEC	TDEC Approval Addendum 2 to the Fiscal Year 2006 Phased Construction Completion Report for the Zone 2 Soils, Slabs, and Subsurface Structures (Exposure Unit Z2-42) at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2317&D2/A2/R1)	DOEIC, Notified board officers of receipt
123	2/22/2023	Petrie, DOE	Urquhart-Foster, EPA	EPA Invokes Informal Dispute: 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



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
124	2/23/2023	Petrie, DOE	Young, TDEC	TDEC Approval letter Erratum to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (DOE-OR-01-2477&04) (CMP)	DOEIC, Notified board officers of receipt
125	2/23/2023	Petrie, DOE	Froede, EPA	EPA Approval: erratum pages and 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
126	2/24/2023	Petrie, DOE	Young, TDEC	TDEC Comments Federal Facility Agreement Appendix I-5 Information Assessment for East Tennessee Technology Park, Oak Ridge, Tennessee (UCOR-5588)	DOEIC, Notified board officers of receipt
127	2/27/2023	Petrie, DOE	Young, TDEC	TDEC Approval Letter to the Erratum Pages for the East Tennessee Technology Park Main Plant Area Groundwater Focused Feasibility Study, Oak Ridge, Tennessee (DOE/OR/01-2894&D2)	DOEIC, Notified board officers of receipt
128	2/27/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of the Proposed Plan for an Interim Record of Decision for Groundwater in the Main Plant Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2921&D2/R1)	DOEIC, Notified board officers of receipt
129	2/27/2023	Petrie, DOE	Andrews, EPA	EPA Comment Letter Addendum 2 to the Fiscal Year 2006 Phased Construction Completion Report for the Zone 2 Soils, Slabs, and Subsurface Structures (Exposure Unit Z2-42) at ETTP	DOEIC, Notified board officers of receipt
130	2/27/2023	Petrie, DOE	Young, TDEC	TDEC Comments: Addendum 1 (EU Z2-18) to the FY 2009 PCCR for Zone 2 EUs 11, 12, 17, 18, 29, and 38 at ETTP, Oak Ridge, Tennessee (DOE-OR-01-2415&D2-A1-R1)	DOEIC, Notified board officers of receipt



FY 2023 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
131	2/27/2023	Urquhart-Foster, EPA & Young, TDEC	Hardin & Petrie, DOE	Transmittal of the Schedule for the K-720 Fly Ash Pile Remedial Investigation Work Plan for the Zone 1 Groundwater Plumes Remedial Investigation Work Plan ETPP (DOE/OR/01-2903&D2)	DOEIC, Notified board officers of receipt
132	2/28/2023	Distribution	Froede, EPA	EPA Comments: Proposed Plan for an Interim Record of Decision for Groundwater in the Main Plant Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2921&D2/R1)	DOEIC, Notified board officers of receipt

Travel Opportunities

Meeting/Event	Dates	Location	Cost	Additional Info
FY 2023				
Waste Management Symposium Requests: Keebler, McCormick	Feb. 26-March 2	Phoenix, AZ	TBD	www.wmsym.org
National Environmental Justice Conference & Training Requests:	March 7-9	Washington, D.C.	NA	http://thenejc.org
2023 Spring Chairs Meeting <i>Board officers preferred</i> Requests: Shields, McCurdy, Jones	March 21-22	Washington, D.C.	NA	
RadWaste Summit Requests: Shields, Bartholomew	June 6-8	Las Vegas, NV	TBD	http://www.radwastesummit.com/
EPA National Brownfields Conference Requests:	Aug. 8-11	Detroit, MI	TBD	https://brownfields2023.org/
DOE National Cleanup Workshop Requests: Jones	Sept. 11-13	Alexandria, VA	TBD	www.cleanupworkshop.com Request Deadline TBD
2023 Fall Chairs Meeting Requests: NA, all invited to attend	Oct.	Oak Ridge	NA	
ORSSAB Annual Meeting <i>All members invited to attend</i>	TBD		NA	
Shaded trips are closed	Due to the complexity of arranging government travel, please indicate your interest as soon as possible. Some events may book up to a year in advance. If more members request to travel than an event will allow, the Executive Committee will choose attendees.			

From: dougcolcl@aol.com <dougcolcl@aol.com>
Sent: Thursday, March 2, 2023 10:41:21 PM
To: Kimel, Shelley (CONTR) <Shelley.Kimel@orem.doe.gov>
Subject: [EXTERNAL] Greenways/Roads BORCE Areas., Smoother Surfacing

Attn : ORSSAB

The agreement to set aside the areas (BORCE) - North Boundary and at Dyllis Orchard, includes providing recreational opportunities as compensation for losses/contamination to Watts Bar Lake from DOE programs over the years. Public use of the BORCE areas and roads was given a recreation \$ value in this compensation & resource damage mitigation agreement, see at bottom. When Jim Evans was the TWRA manager he was sponsoring modest mileage of woodland trails as a option for visitors to have dirt tread trails and avoid the gravel by having more inviting trail conditions.

The rock spreading going on now around BORCE especially E-BORCE is resulting in unappealing (even unsafe) conditions with long stretches of loose rock ranging in size from 3" down to dust. One report of twisted ankle and others finding cycling difficult going & treacherous where the rock is loose and soft. There has been discussion about this going back more than 10 years. The importance to maintain roads for wildland fire fighting equipment access is understood but every time new rock is added the greenway enjoyment is diminished and visitors stop coming for several years until traffic (infrequent as it is) eventually compacts or scatters the large loose rock out of the main tracks. As for visitor enjoyment it was a perfect condition for walkers and cyclists before this recent reapplication. In general it takes about 5 years or so before the new rock gets compacted .

The rock being used now has considerable "fines" dust but the first big rain washes that away leaving large loose rock. It seems there can be a balance at no additional cost. Would it be possible without too much cost/effort or road durability to adjust the graveling requirements & techniques on the E - W BORCE and Gallaher Bend roads ? The Gallaher Bend greenway road has large loose rock on the first mile or so then is ideally compacted smooth with much smaller rock. Back 15 years ago the ES&H contractor used a roller that helped some . Perhaps smaller stone and more uniform application could be used at virtually the same cost with the objective of a compacted result appealing to walkers and cyclists.

Visitation of the Greenways drops dramatically when this overtopping with large rock happens. Families with young kids like the safety of these trails, shaded & away from traffic, but won't be visiting now minus some way to uniformly smooth and compact the new gravel. Since this recent reapplication, some walkers and cyclists stay off the gravel by using the edge of the ditch line. Even dogs are staying over at the edge. We are coming up on the spring when use increases, for example UT and area HS track teams like these safe trails for training runs.

In years past I have talked to a number of the folks on the crews doing the road maintenance and they tell me there are suitable options for rock (milled asphalt, # 10 crushed limestone or pugmill or screenings,) and ways to achieve smooth compacting. I have noticed the gravel roads in Cherokee NF and Catoosa WMA are a smaller crushed stone. All different size rock and asphalt milling material that

Rogers Group quarries & crushes is within a dollar or so per ton the same price . See attached product and pricing sheet.

I know everyone that i stop to talk to will appreciate anything you can do. Some pictures attached.

We have invested \$ millions over nearly 20 years establishing the BORCE and its community economic & public enjoyment benefits, hopefully by working together we can focus on the figurative "last mile" of investment so to speak , to gain all the values envisioned/intended in the BORCE .

The convenient accessibility of these trails offers significant economic value to Oak Ridge and the surrounding counties. One of the first marketing assets mentioned in realty ads for the adjoining residential developments is convenient access to greenway trails.

Please help anyway you can .

---Respectfully , Doug Colclasure, Committee Member, Greenways Oak Ridge and West End Trail Steward

Oak Ridge Reservation Natural Resource Damage Assessment Evaluation of Contaminant-Related Losses in Watts Bar Reservoir and Gains from the Black Oak Ridge Conservation Easement (BORCE) -- Final Report | 18 September 2008

<https://doeic.science.energy.gov/uploads/G.0719.065.0012.pdf>

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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 is the cafeteria manager at St. Mary's Catholic Church in Oak Ridge, Tennessee, where she has been 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.

Michelle Lohmann (Knox County). Ms. Lohmann is the senior director of talent acquisition and brand at US Cellular. Previously, she was the program manager for the University Recruiting and Graduate Education Programs for Oak Ridge National Laboratory (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 is now pursuing a joint BA/MA in organizational psychology. She resides in Knoxville, Tennessee. She currently serves as secretary of the EM SSAB in Oak Ridge and was appointed to the board in June 2017.

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 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, 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.

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. He is also the owner of two small businesses: Instructional Concepts, which provides training in industrial, public, and private application of firearms, explosives, vehicle extrication, and rescue operations; and Music City Speed & Nostalgia, which specializes in classic cars and vintage memorabilia. He is a member of multiple federal, state, and local boards, including planning commissions, boards of appeals, housing authorities, and advisory boards. 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, among others. Mr. Shields has an interest in environmental issues. He resides in Lenoir City, Tennessee, and was appointed to the board in June 2017. He 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 the EM SSAB in Oak Ridge.

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, the Environmental Protection Agency, 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, and was appointed to the board in June 2017.

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.