

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, February 12, 2020, 6 p.m.

DOE Information Center
1 Science.gov Way
Oak Ridge, Tennessee

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

PRESENTATION MATERIALS — To be distributed prior to or at the meeting.

CALENDARS

1. February
2. March (draft)

BOARD MINUTES/RECOMMENDATIONS & MOTIONS

1. November 13, 2019 unapproved meeting minutes

REPORTS & MEMOS

1. EM Project Update and Abbreviations
2. Travel Opportunities for FY 2020
3. Incoming Correspondence
4. Travel reports
 - a. Kimel
 - b. Shoemaker

Jim Bolon, President, Isotek Systems, LLC



Jim Bolon is a degreed nuclear engineer and versatile executive with more than 40 years of experience in operations, program and project management with Department of Energy contractors, private industry and the U.S. Navy. Jim has worked in large organizations with complex technical missions and high hazard operations, in a broad range of management and technical disciplines and with as many as 500 people in his organization. These have included: engineering, project management, conduct of operations and integrated safety management in Department of Energy facilities, Nuclear Regulatory Commission licensed facilities, naval shipyards and Navy ships.

He previously served as the Engineering, Procurement and Construction Director for USEC Inc.'s American Centrifuge Plant in Piketon, Ohio.

A retired U.S. Navy officer, Jim has held positions as the Executive Vice President of Theta Pro2Serve Management Company, LLC at the gaseous diffusion plant in Piketon, OH and as general manager of decontamination and decommissioning operations for British Nuclear Fuels Limited. Prior to these assignments, he was the deputy facilities manager and project manager for Lockheed Martin Energy Systems at the Y-12 Nuclear Weapons Complex in Oak Ridge, TN.

Jim holds a Bachelor of Science in Nuclear Engineering and a Master of Engineering in Nuclear Engineering, both from Pennsylvania State University.

Presentation to be
distributed at or prior
to meeting



Oak Ridge Site Specific Advisory Board
Wednesday, February 12, 2020, 6:00 p.m.
DOE Information Center
1 Science.Gov Way, Oak Ridge, TN 37831
AGENDA

- I. Welcome and announcements (S. Lohmann) 6:00–6:15
 - II. Comments from federal and state agency representatives
(D. Adler, C. Jones, K. Czartoryski) 6:15–6:20
 - III. Presentation: Processing U-233 Material (J. Bolon) 6:20–6:40
Issue Group: Browning, Keebler, Perez, Samaras, Shields
Questions regarding the **presentation/speaker only** 6:40–6:50
 - i. Board members
 - ii. Guests - *Please use the microphone so questions about the presentation can be documented for the meeting record.*
 - IV. Public comment period (A. Duke) 6:50-7:00
 - i. Comments on **other topics or concerns** for DOE or the board - *Please use the microphone so comments for the board or DOE can be documented for the meeting record.*
 - V. Call for additions & motion to approve agenda (S. Lohmann) 7:00
 - A. Requests for new action items
 - B. Next meeting – Wednesday, March 11
Presentation: Reuse and Historic Preservation at East Tennessee Technology Park (S. Cooke)
Issue group: Shields, Shoemaker, Tapp
-
- This ends the presentation portion of the meeting – presenters and subject experts may depart*
-
- VI. Board Business 7:05–7:15
 - A. Motion to Approve: November 13, 2019 Meeting Minutes (B. Shoemaker)
 - VII. Responses to recommendations & alternate DDFO’s report (M. Noe) 7:15–7:20
 - VIII. Committee reports 7:20–7:25
 - A. EM/Stewardship (A. Jones)
 - B. Executive (S. Lohmann)
 - IX. Additions to agenda & closing remarks (S. Lohmann) 7:25–7:30
 - X. Adjourn 7:30



Oak Ridge Site Specific Advisory Board

February

2020

Topic – Processing of Uranium-233 Material

Issue group – Browning, Keebler, Perez, Samaras, Shields

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

Meetings are at the DOE Information Center, Office of Science and Technical Information, 1 Science.gov Way, Oak Ridge unless noted otherwise.

ORSSAB Support Office: (865) 241-4583 or 241-4584 **DOE Information Center:** (865) 241-4780
ORSSAB Conference Call Line: (866) 659-1011; enter the participant code when prompted: 3634371#

Board meetings on cable TV and YouTube	
Knoxville: Charter Channel 6, Comcast Channel 12	Sundays at 8 p.m.
Lenoir City: Charter Cable Channel 193	Wednesdays, 4 p.m.
Oak Ridge: Channel 12	Fourth Mondays, 7 p.m.
Oak Ridge: Channel 15	Monday, Wednesday, Friday, 8 a.m. & noon
YouTube	http://www.youtube.com/user/ORSSAB



Oak Ridge Site Specific Advisory Board

March (draft)

2020

Topic – Reuse and Historic Preservation at ETPP

Issue group – Shields, Shoemaker, Tapp

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 Executive Committee meeting 5 p.m.	5	6	7
8	9	10	11 Board meeting 6 p.m.	12	13	14
15	16	17	18	19	20	21
22	23	24	25 EM/Stewardship Committee Meeting 6 p.m.	26	27	28
29	30	31				

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Many Voices Working for the Community

Oak Ridge Site Specific Advisory Board

Monthly Meeting of the Oak Ridge Site Specific Advisory Board

Unapproved November 13, 2019, Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held its monthly meeting on Wednesday, November 13, 2019 at the DOE Information Center, 1 Science.gov Way, Oak Ridge, TN, beginning at 6 p.m. Copies of referenced meeting materials are attached to these minutes. A video of the presentation portion of the meeting was made and is available on the board's YouTube site at www.youtube.com/user/ORSSAB/videos.

Members Present

Andrea Browning
Richard Burroughs
Bill Clark
Amy Jones
Shell Lohmann, Chair

Harriett McCurdy
Marité Perez
Georgette Samaras
Leon Shields, Vice Chair
Bonnie Shoemaker,
Secretary

Fred Swindler
John Tapp
Rudy Weigel

Members Absent

Leon Baker
Brooke Pitchers

Robert Whitaker
Dennis Wilson

Noah Keebler

Liaisons, Deputy Designated Federal Officer, and Alternates Present

Dave Adler, ORSSAB Deputy Federal Designated Officer, DOE-OREM

Bill McMillan, OREM

Kristof Czartoryski, Tennessee Department of Environment and Conservation (TDEC)

Connie Jones, U.S. Environmental Protection Agency (EPA)

Others Present

Shelley Kimel, ORSSAB Support Office

Sara McManamy-Johnson, ORSSAB Support Office

Avi Duke, Oak Ridge High School Student Representative

Roger Petrie, UCOR

Nine members of the public were present.

Liaison Comments

Mr. Adler – Mr. Adler said all the Environmental Management (EM) fieldwork is still progressing well. He said centrifuge removal activity is underway, but crews will begin taking that building down soon. Additionally, crews are still in the early stages of Outfall 200. Lastly, he said the initial stages of the uranium-233 (U-233) processing campaign had just begun.

Mr. Czartoryski – None.

Ms. Connie Jones – None.

Presentation

Mr. Shields introduced Bill McMillan, presenter for the evening's topic on Molten Salt Reactor Experiment (MSRE) Updates.

Mr. McMillan began by providing members with background information about MSRE. He said the facility was built and operated at Oak Ridge National Laboratory (ORNL) in the late 1960s for the purpose of testing different types of reactor fuels in a molten salt breeder facility. Fuels tested included uranium-235 and U-233 and a smaller amount of plutonium, and fuel mixtures used fluoride salts. Residual fuel salts remain in a frozen state – in a similar density to concrete – in fuel Drain Tanks. He said the uranium was removed in the 2000s, but there is still trace plutonium; about 2.5 kilograms of uranium remains in one tank and less than that amount in the other two tanks. The radioactivity present is gamma radiation from byproducts of cesium and strontium-90. However, the main hazard, he said, is that the leftover fluoride salts constantly generate small amounts of fluorine gas.

He next gave an overview of the facility's location and layout, followed by a summary of key activities that have occurred at the facility. He said an attempted salt transfer during the 2001-2008 timeframe was unsuccessful because the salts kept solidifying.

Currently, constant generation of fluorine gas in the tanks poses the most immediate hazard at MSRE. He said those gases are pumped down every 6 months and Argon gas added. Extensive maintenance is required each time the fluorine gas is pumped down. A Reactive Gas Removal System (RGRS) is used to remove fluorine and radioactive contaminants during pumpdown cycles.

An engineering evaluation was completed to identify recommended actions to ensure reliable operations. He said this evaluation led to two key recommendations: first, design and install a continuous vent and purge system to replace the RGRS; next, address aging electrical systems.

He said the Continuous Purge System (CPS) is currently in the design phase and would replace the current RGRS. Some of the benefits of CPS include streamlining the removal of the gases, minimizing failure points, and reducing potential areas of exposure to workers since it's a passive system. The second action underway is the MSRE Layup Project to update and isolate utilities to allow MSRE to be maintained in a safe condition at reduced costs while awaiting final decontamination and decommissioning (D&D.) Utilities to be upgraded include the electrical systems and the basement sump pump. Additionally the project includes plans to upgrade the steam system to reduce dependence on the Office of Science (OSC) system, to update the fire protection system, and to add a remote monitoring system.

OREM directed a conceptual analysis of In-Situ Decommissioning (ISD), also called "entombment," to determine if the option should be further evaluated. For this analysis, OREM collaborated with subject matter experts at Savannah River National Laboratory (SRNL). He said SRNL has used ISD previously and has extensively studied the different types of grouts that can be used in entombment. DOE evaluated ISD successes at other DOE sites and ORNL and established criteria, including how implementable it would be, protection of human health and environment, cost, and land use controls if it were implemented. He said it was a successful study, and the next

step is to conduct further evaluation for a revised feasibility study in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process.

ISD would consist of grouting or “entombing” the contaminated below-grade structures in the reactor building. Structures above the surface would be demolished. He said OREM is currently entering the feasibility study planning process, looking at what data gaps need to be filled. The process will conclude with establishing data quality objectives for sampling results and preparing a sampling analysis plan. He said this part of the process is Phase 1, so Phase 2 of the process consists of actually going out and collecting and analyzing the data.

Mr. McMillan said the update of the feasibility study would include ISD to address options for extent of entombment, modeling of potential long-term releases, use of a “getter” material to capture fluorine, evaluating grout materials to be used, and determining what kind of monitoring systems would need to be incorporated into the plan. He said using the drain tank cells as an example, they would remove any extraneous piping that would need to be removed, then fill the whole interior area with grout and seal it all in place.

Regarding site-access controls, Mr. McMillan said there are already site-access controls planned for the reservation as a whole, so the plan would need to include any additional site-access controls necessary. Long-term surveillance and maintenance would include groundwater monitoring, air monitoring, and land-use controls.

Mr. McMillan said to do this feasibility study would take about 3 years, but he said it would have a great benefit for the cleanup mission at Oak Ridge.

After the presentation, board members asked the following questions:

- Ms. McCurdy asked how many people are currently involved with watching out for MSRE.
 - Mr. McMillan said there are about 60 to 80 staff members working in the building.
- Mr. Swindler asked for an estimate of ongoing maintenance costs and when actual D&D will be completed.
 - Mr. McMillan said MSRE’s current D&D timeline is the late 2020s or early 2030s. He said the ongoing maintenance costs are included in the overall ORNL surveillance and maintenance budget, so he’s not certain of the specific amount, but he estimates MSRE’s portion to be about \$10 million.
- Mr. Clark asked if the gases would be monitored after entombment.
 - Mr. McMillan said yes, they would be monitored until there was nothing coming out.

Questions from the Public

- Jim Rushton, project manager at MSRE from 1994 to 2000, asked how entombment would address any potential water infiltration, since the water table is relatively high at MSRE.
 - Mr. McMillan said that would be done with water-repelling grouts, similar to what is done at SRNL, noting that entombment had been done in a swamp environment in one instance at SRNL. He said he didn’t think we would have to maintain an active pump system.
- Mr. Rushton asked what fraction of the U-233 fuel has been removed.
 - Mr. McMillan said analyses indicate 98 percent has been removed from the system. He said the U-233 was captured and sent to storage at ORNL and will be part of the U-233 processing campaign.
 - Mr. Rushton said he recommended doing an accounting to ensure all the U-233 was removed.
- Mr. Czartoryski asked whether any radioactive material was left in the basement where entombment was used at SRNL.
 - Mr. McMillan said yes, the reactor core and residuals in the pumping system remained.
- Mr. Czartoryski asked what corrections could be done if there were any migrations at the grout.
 - Mr. McMillan said they would likely use some type of pumping wells. He said the likelihood of

migrations is very minimal, but it would be evaluated as part of the long-term monitoring and stewardship program.

Public Comment

Mr. Luther Gibson said notice was posted on July 2, 2019, that the EM Consolidated Business Center intended to issue a Draft Request for Proposal within 15 to 60 days for the next Oak Ridge Reservation cleanup contract. He said it has now been 134 days and that announcement remains in place as the latest public news. Shifting topics, Mr. Gibson said that at ORSSAB's monthly meeting on November 13, 2002, Connie Jones gave a presentation on environmental sampling done at the Scarboro Community. The DDFO, Mr. Gerald Boyd, said DOE is always trying to better communications with the community and offered to sponsor a workshop going into the technical details of the lifecycle baseline. Mr. Gibson noted that at the same meeting, there were seven committee reports.

Board Business/Motions

1. Ms. Lohmann asked for a motion to approve the meeting agenda.
 - a. **11/13/19.1 Motion to approve the agenda**
Motion made by Tapp and seconded by Weigel. Motion passed unanimously.
2. Ms. Lohmann presented the September 11, 2019 meeting minutes and asked for a motion to approve.
 - a. **11/3/19.2 Motion to approve September 11 meeting minutes**
Motion made by Shields and seconded by Jones. Motion passed unanimously.
3. Ms. Lohmann presented the October 9, 2019 meeting minutes and asked for a motion to approve.
 - a. **11/3/19.3 Motion to approve October 9 meeting minutes**
Motion made by Shields and seconded by Jones. Motion passed unanimously.
4. Ms. Lohmann presented Chairs Recommendation #1 on public engagement in the EM budget process.
 - a. **11/3/19.4 Motion to approve Chairs Recommendation #1 on public engagement in the EM budget process**
Motion made by Tapp and seconded Burroughs. Motion passed unanimously.

Ms. Lohmann said the main point of this recommendation was that the Chairs would like DOE to engage with the boards earlier so they may make more informed recommendations as relating to the budgets for their sites. She said the recommendation also a request for additional information related to prioritizations.
5. Ms. Lohmann presented Chairs Recommendation #2 on nuclear waste transportation.
 - a. **11/3/19.5 Motion to approve Chairs Recommendation #2 on nuclear waste transportation.**

Ms. Lohmann said in this recommendation, the Chairs would like DOE to prioritize the development of final disposition sites with the goal of reducing the interim storage footprint at each of the sites; to specify waste acceptance criteria for all forms of waste and spent nuclear fuel in a manner that will allow all sites to proceed with waste processing; and to continue to insist on a compliant budget to do those things; while also continuing to think about how to create a transportation program for safe and uneventful shipment of all waste materials. Mr. Weigel said from his understanding, DOE currently as a fairly robust transportation program, and regarding uneventful shipment, once the material is on the road there is outside DOE's control so that item

superfluous. Ms. Lohmann said she believes the intent of the item is that DOE do everything within their power – to the extent of what they can control – to assure the safe transport of materials. Ms. Shoemaker added that there was a lot of discussion, but one of the main focuses was that we need to determine final disposition so waste only needs to be moved one time and sites are not tasked with interim storage. Mr. Tapp said whether a safe transportation already exists. Ms. Lohmann said there is already a program in place, but the purpose of the item was to see how that program could be expanded.

Motion made by Jones and seconded by Shields. Motion passed unanimously.

Responses to Recommendations & Alternate DDFO Report

Ms. Noe said there are no open recommendations. She also said member Ed Trujillo resigned from the board.

Committee Reports

Executive – Ms. Lohmann said members discussed the Chairs’ recommendations and the previous EM & Stewardship meeting. She said members also began looking at potential locations for the 2020 Annual Planning Meeting, which may be held again at Tremont Lodge & Resort. The tentative date for the meeting is August 22 or 29. She said Staff updated members on new member outreach, with seven applicants for new member positions. Lastly, she said members discussed plans for a holiday social.

EM & Stewardship – Ms. Jones said groundwater project manager Dennis Mayton attended the October meeting to answer questions, and he even answered questions via email before the meeting. She said the committee opted to tentatively schedule a meeting January 22, and staff will email about the meeting status ahead of the meeting.

Additions to the Agenda & Open Discussion

None

Action Items

Open

None

Closed

None

The meeting adjourned at 7:10 p.m.

I certify that these minutes are an accurate account of the November 13, 2019, meeting of the Oak Ridge Site Specific Advisory Board.

Bonnie Shoemaker, Secretary

Michelle Lohmann, Chair

DATE

Oak Ridge Site Specific Advisory Board

ML/sm

Abbreviations/Acronyms List for Environmental Management Project Update

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
CEUSP – Consolidated Edison Uranium Solidification Project
CD – critical decision
CH – contact handled
CNF – Central Neutralization Facility
COLEX – column exchange
CS – construction start
CY – calendar year
D&D – decontamination and decommissioning
DARA – Disposal Area Remedial Action
DNAPL – Dense Non-Aqueous Phase Liquids
DOE – Department of Energy
DSA – documented safety analysis
DQO – data quality objective
EE/CA – engineering evaluation/cost analysis
EFPC – East Fork Poplar Creek
EM – environmental management
EMDF – Environmental Management Disposal Facility
EMWMF – Environmental Management Waste Management Facility
EPA – Environmental Protection Agency
EQAB – Environmental Quality Advisory Board
ETTP – East Tennessee Technology Park
EU – exposure unit
EV – earned value
FACA – Federal Advisory Committee Act
FCAP - Facilities Capability Assurance Program
FFA – Federal Facility Agreement
FFS – Focused Feasibility Study
FPD – federal project director
FY – fiscal year
GIS – geographical information system

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

RFI – Request for Information
RGRS – Reactive Gas Removal System
RH – remote handled
RI/FS – Remedial Investigation/Feasibility Study
RIWP – Remedial Investigation Work Plan
RmAR – Removal Action Report
RmAWP – Removal Action Work Plan
ROD – Record of Decision
RSE – Remedial Site Evaluation
RUBB – trade name of a temporary, fabric covered enclosure
S&M – surveillance and maintenance
SAP – sampling analysis plan
SEC – Safety and Ecology Corp.
SEP – supplemental environmental project
STP – site treatment plan
SW – surface water
SWSA – solid waste storage area
Tc – technetium
TC – time critical
TDEC – Tennessee Department of Environment and Conservation
TRU – transuranic
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

EM Project Update

ETTP	December	January
Final ETTP Main Plant Area Groundwater ROD	The ETTP Main Plant Area Feasibility Study was submitted to the regulators for review.	
Zone 2	The PCCR for Z2-EU 14 was submitted to the regulators for review/approval.	The Technitium-99 project is 97 percent complete with the anticipated contaminated soil excavation.
		The Sampling & Analysis Plan for Z2-EU 19 was submitted to the regulators for review/approval.
		The Tech Memo for Building K-1203, Z2-EU 12 was submitted to the regulators for review/approval.
		The QAPP and Dynamic Work Plan for the Characterization RDR/RAWP was submitted to the regulators for review/approval.
Remaining Facilities	Completed primary and secondary electrical isolations and initiated mechanical isolations in Building K-1600.	Continued mechanical isolations in Building K-1600 and began marking sample locations and mobilizing deactivation resources.
	Hazardous/universal waste removal is 95 percent complete in Building K-1210. Centrifuge machine disassembly is 53 percent complete and shipping is 50 percent complete.	Deactivation is complete in Building K-1200. Began installing sediment controls in preparation for demolition. Separated Building K-1200 from K-1210 in order to ensure safe demolition of K-1200 while continuing to removed centrifuges from K-1210.
	Demolition is 85 percent complete in the Centrifuge Lab Area and 75 percent of debris is disposed in local landfills.	Centrifuge machine disassembly is 83 percent complete in Building K-1210, and shipping is 66 percent complete.
	Completed 75 percent of the demolition of the flume roof structure in the K-832 Basin.	Demolition is 94 percent complete in the Centrifuge Lab Area and 94 percent of debris is disposed in local landfills.
	Completed required sampling in Building K-1006. Also completed 67 percent of universal waste removal and 55 percent of internal asbestos abatement.	Completed 72 percent of universal waste removal and 98 percent of internal asbestos abatement in Building K-1006. Also completed 40 percent of process equipment removal.
	Removal of K-1131, K-413, and K-1231 slabs from the Poplar Creek Building slabs is 11 percent complete.	The demolition of the K-631/K-131 Poplar Creek Building slabs is 98 percent complete. Removal of K-1131, K-413, and K-1231 slabs is 45 percent complete.
	The WHP for Low Risk/Low Complexity Facilities Erratum was approved by the regulators.	Completed the demolition of the flume roof structure in the K-832 Basin and began removing sludge. Collected two confirmation samples from the floor of the basin.
	The WHP Addendum for Centrifuge Equipment in K-1210/1220 was approved by the regulators.	The WHP Addendum for the Centrifuge Equipment in K-1210/K-1220 was approved by the regulators.
The FY 2019 PCCR for the Low Risk/Low Complexity and Predominantly Uncontaminated Facilities was submitted to the regulators for review/approval.		

EM Project Update

ETTP	December	January
ETTP Historic Preservation	Completed installation of vestibule, installation and start-up of telephone and Wi-Fi systems, installation of benches and trash receptacle, and landscaping. Continued working construction punch list items. Relocated artifacts from storage facility in Oak Ridge to the K-25 History Center. Began installation of exhibit case work, glass, graphics, artifact mounts, and artifacts. Completed installation of wall murals. Held a pre-proposal conference and site visit for potential bidders on the solicitation for construction of the Equipment Building, Viewing Tower, and associated site improvements. Received two proposals.	Completed installation of decorative metal panels at K-25 History Center entrance and on canopy, applying stucco to gallery gate walls, caulking sidewalks, and installation of handrails at emergency exit. Continued installation of exhibit case work, glass, graphics, and artifacts. Mount Maker completed installation of artifact mounts and associated artifacts. Initiated installation of audiovisual equipment, audiovisual productions, and master control equipment. Evaluated proposals for construction of the Equipment Building, Viewing Tower, and associated site improvements and determined that both proposals were technically acceptable.
ORNL	December	January
Bethel Valley Interim ROD	The RDR/RAWP Addendum for the Isotope Row Facilities Legacy Materials Removal and Deactivation was submitted to the regulators for review/approval.	
Molten Salt Reactor Facility (MSRE)	Completed the roof inspection for MSRE. The inspection showed that there is significant degradation in the roof coating material, which has resulted in rainwater leaks into the facility. Roof repair activities will be initiated under the MSRE Layup Project.	Continued preparation for the upcoming pump-down of the reactive gas removal system (RGRS). Coordinating the pump-down activities with the design of the Continues Purge System (CPS) project that will replace the aging RGRS. The new CPS system will incorporate a safer design engineered to address the current issues of the gas generated by the salts.
	The FY 2019 PCCR for Secondary Low-Level Waste was submitted to the regulators for review/approval.	Several visitors from the United Kingdom toured MSRE to discuss OREM's interest in the development of In-Situ Disposal as a safe, cost-effective, and regulatory acceptable decommissioning strategy.
U-233 Disposition		Glovebox cleanup and the waste solidification process from Oak Ridge Oxide Processing (OROP) Canister 4 was completed and all containerized waste has been relocated to Building 3019 for storage. Four of the planned 46 OROP canisters have been processed.
ORNL Facilities D&D	Continued preparation work for the Building 3608 upgrades for the Zeolite system at LGWO. Fabrication of the Zeolite vessels and the skids is complete, as well as the demolition of equipment needed to make room for the new equipment.	Building characterization efforts are more than 95 percent complete on the 3010 Complex.
	Construction of the containment tent was begun at the 3026 Hot Cells with the laying of gravel for the foundation blocks.	
	Building characterization efforts are more than 50 percent complete on the 3010 Complex.	

EM Project Update

Y-12	December	January
Outfall 200 Mercury Treatment Facility	Backfill was completed of the area where additional excavations were necessary due to unsuitable soils at the treatment plant site.	Headworks site excavation and soil nail shoring construction began in December and resumed in late January. Preparations are underway at the Treatment Plant site to begin rebar and concrete work at the sump in February.
Bear Creek Valley Interim ROD	The PCCR for the Disposal Area Remedial Action (DARA) Soils Removal and Disposal was approved by the regulators.	
Y-12 Facilities D&D	Asbestos abatement and universal waste removal activities continue in Building 9207 and Building 9210 in the Biology Complex. Deactivation hazard abatement is 58 percent complete and deactivation waste is 52 percent complete.	Asbestos abatement and universal waste removal activities continue in Building 9207 and Building 9210 in the Biology Complex. Deactivation hazard abatement is 63 percent complete and deactivation waste is 56 percent complete.
		Began fieldwork for the first phase of characterization of the slabs and soils at EU-5. This effort supports the cleanup of the Biology Complex area for the future lithium facility.
		The WHP for 9720-22 Warehouse Building was submitted to the regulators for review/approval.
Off-Site Cleanup/Waste Management	December	January
Transuranic Waste Processing Center (TWPC)	A DOE Headquarters Cybersecurity assessment was completed at TWPC. The assessment resulted in no findings and several opportunities for improvement.	
	Team members from Savannah River National Laboratory returned to conduct a site visit to inspect the fuel drain tanks at MSRE in support of the Feasibility Study project that will consider in-situ decommissioning as an alternative.	
EMDF	Due to the ongoing dispute on discharge limits for radionuclides, the milestone date for submittal of the ROD has been extended to June 17, 2020. All subsequent milestones were also extended.	
WRRP	The 2019 RER was approved by the regulators.	Planning work to install three exit pathway monitoring wells continues. Mobilization of equipment to the site has begun.
		The Preliminary Engineering Assessment of the Filled Coal Ash Pond Report was provided to DOE for review.
		The 2018 Groundwater Flow Model Development and Evaluations report was issued.

EM Project Update

ETTP	November	December
Final ETTP Main Plant Area Groundwater ROD Zone 2		The ETTP Main Plant Area Feasibility Study was submitted to the regulators for review.
	The Technetium-99 project is 98 percent complete.	The PCCR for Z2-EU 14 was submitted to the regulators for review/approval.
	Final site grading continues at Building K-1037 with 90 percent of the backfill and 75 percent of the topsoil placed.	
Remaining Facilities	Hazardous/universal waste removal is 95 percent complete in Building K-1200.	Completed primary and secondary electrical isolations and initiated mechanical isolations in Building K-1600.
	Centrifuge machine disassembly is 41 percent complete and shipping is 36 percent complete in Building K-1210.	Hazardous/universal waste removal is 95 percent complete in Building K-1210. Centrifuge machine disassembly is 53 percent complete and shipping is 50 percent complete.
	Demolition is 28 percent complete in the Centrifuge Lab Area.	Demolition is 85 percent complete in the Centrifuge Lab Area and 75 percent of debris is disposed in local landfills.
	Disposed of 96 percent of the related debris at the K-1037 Slab into local landfills. Final site grading and seeding are complete.	Completed 75 percent of the demolition of the flume roof structure in the K-832 Basin.
	Completed 94 percent of required sampling in Building K-1006. Also completed 62 percent of universal waste removal and 47 percent of internal asbestos abatement.	Completed required sampling in Building K-1006. Also completed 67 percent of universal waste removal and 55 percent of internal asbestos abatement.
	Crews have completed demolishing 97 percent of the Building K-631/K-131 slabs and 97 percent of the associated debris is disposed in local landfills. Preparation is complete for removal of K-1131, K-413, and K-1231 slabs.	Removal of K-1131, K-413, and K-1231 slabs from the Poplar Creek Building slabs is 11 percent complete.
	The WHP for Low Risk/Low Complexity Facilities Erratum was submitted to the regulators for approval.	The WHP for Low Risk/Low Complexity Facilities Erratum was approved by the regulators.
	The PCCR for the Central Neutralization Facility was approved by the regulators.	The WHP Addendum for Centrifuge Equipment in K-1210/1220 was approved by the regulators.
		The FY 2019 PCCR for the Low Risk/Low Complexity and Predominantly Uncontaminated Facilities was submitted to the regulators for review/approval.
ETTP Historic Preservation	Continued installation of vestibule and working punch list items. Initiated installation of decorative metal panels. Completed pouring concrete for sidewalks and curbs. Completed paving and striping parking lot and bus turnout. Installed bike racks. Pulled cable for audiovisual equipment.	Completed installation of vestibule, installation and start-up of telephone and Wi-Fi systems, installation of benches and trash receptacle, and landscaping. Continued working construction punch list items. Relocated artifacts from storage facility in Oak Ridge to the K-25 History Center. Began installation of exhibit case work, glass, graphics, artifact mounts, and artifacts. Completed installation of wall murals. Held a pre-proposal conference and site visit for potential bidders on the solicitation for construction of the Equipment Building, Viewing Tower, and associated site improvements. Received two proposals.

EM Project Update

ORNL	November	December
Bethel Valley Interim ROD		The RDR/RAWP Addendum for the Isotope Row Facilities Legacy Materials Removal and Deactivation was submitted to the regulators for review/approval.
Molten Salt Reactor Facility (MSRE)	Finalized the contract for the ORNL remote-handling group to support practice, training, and mockup of equipment installation. This training is for the remote installation of the system interface for attaching the Continuous Purge System that will address the removal of generated gas from MSRE.	Completed the roof inspection for MSRE. The inspection showed that there is significant degradation in the roof coating material, which has resulted in rainwater leaks into the facility. Roof repair activities will be initiated under the MSRE Layup Project.
	A walk-down was held to identify and review the areas that will be upgraded at the MSRE Complex, to be used as office space for ORNL clean-up workers. In addition, installation of trailers as been completed in the 6556 area.	The FY 2019 PCCR for Secondary Low-Level Waste was submitted to the regulators for review/approval.
U-233 Disposition	Completed processing of the first U-233 canister as part of the Oak Ridge Oxide Processing campaign from Building 3019 to Building 2026. Thorium was extracted while processing the U-233 and shipped to a third party for production of medical isotopes.	
	An event was held celebrating the partnership between the medical research community, the federal government, and private companies called "New Life for Cancer Research." This celebration recognized the innovative approach and partnership to begin downblending and extracting thorium from the U-233 inventory in order to advance cancer treatment research.	
ORNL Facilities D&D	Initiated the replacement of the 10-inch diameter line and valve in Building 3608 connecting a major wastewater processing tank to the F-1006 Clarifier. Completion of this activity will ensure a more effective wastewater treatment operation at LGWO.	Continued preparation work for the Building 3608 upgrades for the Zeolite system at LGWO. Fabrication of the Zeolite vessels and the skids is complete, as well as the demolition of equipment needed to make room for the new equipment.
		Construction of the containment tent was begun at the 3026 Hot Cells with the laying of gravel for the foundation blocks. Building characterization efforts are more than 50 percent complete on the 3010 Complex.
Y-12	November	December
Outfall 200 Mercury Treatment Facility	The RDR/RAWP Addendum was submitted to the regulators for approval. Continued support to OREM sampling and analyzing groundwater and treated groundwater at headworks site. OREM is preparing to transition this scope to an OREM contractor in the January time frame. Continue to review and respond to specification-required OREM contractor submittals and requests for information.	Backfill was completed of the area where additional excavations were necessary due to unsuitable soils at the treatment plant site.
Bear Creek Valley Interim ROD		The PCCR for the Disposal Area Remedial Action (DARA) Soils Removal and Disposal was approved by the regulators.

EM Project Update

Y-12	November	December
Y-12 Facilities D&D	Asbestos abatement and universal waste removal activities continue in Building 9207 and Building 9210 in the Biology Complex. Deactivation hazard abatement is 54 percent complete and deactivation waste is 42 percent complete.	Asbestos abatement and universal waste removal activities continue in Building 9207 and Building 9210 in the Biology Complex. Deactivation hazard abatement is 58 percent complete and deactivation waste is 52 percent complete.
Off-Site Cleanup/Waste Management	November	December
Transuranic Waste Processing Center (TWPC)		A DOE Headquarters Cybersecurity assessment was completed at TWPC. The assessment resulted in no findings and several opportunities for improvement.
		Team members from Savannah River National Laboratory returned to conduct a site visit to inspect the fuel drain tanks at MSRE in support of the Feasibility Study project that will consider in-situ decommissioning as an alternative.
EMDF	The Response to Comments for the Technical Memo for Phase 1 Monitoring was submitted to the regulators.	Due to the ongoing dispute on discharge limits for radionuclides, the milestone date for submittal of the ROD has been extended to June 17, 2020. All subsequent milestones were also extended.
WRRP	The 2019 RER was approved by TDEC.	The 2019 RER was approved by the regulators.
	Annual notification letters to property owners reminding them of their (groundwater) obligations and letters to well drillers requiring advance notification of drilling were completed per the Union Valley Interim ROD and forwarded to DOE Reality.	
	Planning work to install three exit pathway monitoring wells continues. A Request for Proposal was sent to two drillers on a blanket ordering agreement, a pre-bid with a site walk-down was completed.	
	Held the 2021 Five Year Review planning meeting for ETTP with the regulators.	

EM Project Update

ETTP	October	November
Final ETTP Main Plant Area Groundwater ROD	The Supplemental SAP for ETTP Residual Contamination (K-31/K-33 Area) was approved by the regulators.	
Zone 1 Interim ROD	The RAWP Addendum for the Powerhouse Vaults was approved by the regulators.	
	The RAWP Addendum for the Balance of Ecological Remedial Actions was submitted to the regulators for review/approval.	
Zone 2	The Technetium-99 project is 91 percent complete.	The Technetium-99 project is 98 percent complete.
	The slab is demolished at Building K-1037 and 96 percent of the related debris is disposed in local landfills. Final site grading continues with 80 percent of the backfill and 60 percent of the topsoil placed.	Final site grading continues at Building K-1037 with 90 percent of the backfill and 75 percent of the topsoil placed.
	The WHP Addendum for Consolidated Soil and Waste Sites was approved by the regulators.	
Remaining Facilities	All deactivation activities are complete in Centrifuge Building K-1220. ACM abatement is complete and hazardous/universal waste removal is 90 percent complete.	Hazardous/universal waste removal is 95 percent complete in Building K-1200.
	Hazardous/universal waste removal is 95 percent complete in Building K-1210. Centrifuge machine disassembly is 14 percent complete and shipping is 13 percent complete.	Centrifuge machine disassembly is 41 percent complete and shipping is 36 percent complete in Building K-1210.
	Deactivation is complete and demolition is 28 percent complete in the Centrifuge Lab Area.	Demolition is 28 percent complete in the Centrifuge Lab Area.
	The PCCR for K-1037 was submitted to the regulators for review/approval.	Disposed of 96 percent of the related debris at the K-1037 Slab into local landfills. Final site grading and seeding are complete.
	Temporary power is installed in Building K-1006. Mechanical and electrical isolations are complete. Completed 64 percent of required sampling. Also completed 61 percent of universal waste removal and 6 percent of internal asbestos abatement.	Completed 94 percent of required sampling in Building K-1006. Also completed 62 percent of universal waste removal and 47 percent of internal asbestos abatement.
	Demolished 96 percent of the Building K-631/K-131 slabs and 76 percent of the associated debris is disposed in local landfills.	Crews have completed demolishing 97 percent of the Building K-631/K-131 slabs and 97 percent of the associated debris is disposed in local landfills. Preparation is complete for removal of K-1131, K-413, and K-1231 slabs.
ETTP Historic Preservation	Continued installation vestibule frames and glass and began working punch list items. Continued excavation, forming, and pouring sidewalks/curbs. Began installation of landscaping. Received and began installation of exhibits and displays.	Continued installation of vestibule and working punch list items. Initiated installation of decorative metal panels. Completed pouring concrete for sidewalks and curbs. Completed paving and striping parking lot and bus turnout. Installed bike racks. Pulled cable for audiovisual equipment.

EM Project Update

ORNL	October	November
Molten Salt Reactor Facility (MSRE)	Completed the Conceptual Design Report for the MSRE Continuous Purge System Project. The purpose of project is to substitute the current reactive gas removal system that was intended to operate for a few years almost two decades ago, with a streamlined and simplified process that takes into consideration the actual conditions of the reactor site.	Finalized the contract for the ORNL remote-handling group to support practice, training, and mockup of equipment installation. This training is for the remote installation of the system interface for attaching the Continuous Purge System that will address the removal of generated gas from MSRE.
	Initiated a familiarization walk-down of the facility for Kone Crane employees in preparation for the inspection and recertification of the larger 30-ton crane. This crane will be needed to complete the movement of large shields so that several Continuous Ventilation Project activities can be completed.	A walk-down was held to identify and review the areas that will be upgraded at the MSRE Complex, to be used as office space for ORNL clean-up workers. In addition, installation of trailers as been completed in the 6556 area.
U-233 Disposition	Preparing to enter the existing hot cells in Building 2026 to remove and dispose of legacy waste material. The hot cells will be used during the processing campaign to complete disposition of the remaining inventory of U-233 material stored in the Building 3019 Complex.	Completed processing of the first U-233 canister as part of the Oak Ridge Oxide Processing campaign from Building 3019 to Building 2026. Thorium was extracted while processing the U-233 and shipped to a third party for production of medical isotopes.
	Moved the first U-233 canister to be processed as part of the Oak Ridge Oxide Processing campaign from Building 3019 to Building 2026. The campaign is a key component of the OREM effort to safely process and disposition the remaining inventory of U-233 stored in the Building 3019 Complex.	An event was held celebrating the partnership between the medical research community, the federal government, and private companies called "New Life for Cancer Research." This celebration recognized the innovative approach and partnership to begin downblending and extracting thorium from the U-233 inventory in order to advance cancer treatment research.
ORNL Facilities D&D	The RAWP/WHP for the LGWO (Liquid & Gaseous Waste Operations) facility was submitted and approved by the regulators.	Initiated the replacement of the 10-inch diameter line and valve in Building 3608 connecting a major wastewater processing tank to the F-1006 Clarifier. Completion of this activity will ensure a more effective wastewater treatment operation at LGWO.
	Completed the design of the Zeolite system and also the construction of the Zeolite tanks at the LGWO facility. The F-1007 Clarifier was demolished and the debris was removed and sent to disposal.	
Y-12	October	November
Outfall 200 Mercury Treatment Facility	Continued support to OREM sampling and analyzing treated groundwater at the headworks site. Continue to review and respond to specification-required OREM contractor submittals and requests for information.	The RDR/RAWP Addendum was submitted to the regulators for approval. Continued support to OREM sampling and analyzing groundwater and treated groundwater at headworks site. OREM is preparing to transition this scope to an OREM contractor in the January time frame. Continue to review and respond to specification-required OREM contractor submittals and requests for information.
Bear Creek Valley Ph. I ROD	The PCCR for the Disposal Area Remedial Action (DARA) Soils was submitted to the regulators for review/approval.	

EM Project Update

Y-12	October	November
Y-12 Facilities D&D	Exposure Unit (EU) 5 encompasses the ORNL Biology Complex. The boundary line between EU 5 and EU 3 was recently modified to support future ancillary construction activities associated with the planned lithium facility. A task order for additional characterization planning for the new EU 5 slabs and soils are was awarded to CTI, a small business contractor.	Asbestos abatement and universal waste removal activities continue in Building 9207 and Building 9210 in the Biology Complex. Deactivation hazard abatement is 54 percent complete and deactivation waste is 42 percent complete.
	All three transport hoists are complete and awaiting certification at the Biology Complex. Asbestos abatement is complete on the first floor of Building 9207 and active on the second floor. ACM abatement on the first floor is 56 percent complete.	
Off-Site Cleanup/Waste Management	October	November
Transuranic Waste Processing Center (TWPC)	North Wind was awarded the National Safety Council "Perfect Record Award" at TWPC for operating 335,185 employee hours without occupational injury or illness during CY 2018.	
EMDF	Regulators stated that they will not review the Phase 3 (Borrow Area) Characterization Report before the ROD.	The Response to Comments for the Technical Memo for Phase 1 Monitoring was submitted to the regulators.
WRRP	The 2019 Remediation Effectiveness Report D2 version was submitted to the regulators for approval.	The 2019 RER was approved by TDEC.
	The Bear Creek RAR Comprehensive Monitoring Plan (CMP) was approved by the regulators.	Annual notification letters to property owners reminding them of their (groundwater) obligations and letters to well drillers requiring advance notification of drilling were completed per the Union Valley Interim ROD and forwarded to DOE Realty.
	Three RAR CMPs were submitted to regulators that incorporated the agreed upon 2021 Five Year Review sampling. This sampling was already approved.	Planning work to install three exit pathway monitoring wells continues; a RfP was sent to two drillers on a blanket ordering agreement, a pre-bid with a site walk-down was completed.
	Held the 2021 Five Year Review planning meeting for Offsite (Clinch River/Poplar Creek, Lower Watts Bar Reservoir, and Lower East Fork Poplar Creek) with the regulators.	Held the 2021 Five Year Review planning meeting for ETTP with the regulators.

Travel Opportunities

Meeting/Event	Dates	Location	Cost	Website
FY 2020				
2019 Fall Chairs Meeting Requests: Lohmann, Shields, Shoemaker	Oct. 28-30, 2019	Sun Valley, Idaho	NA	
EPA National Brownfields Conference Requests: Trujillo, Samaras	December 11-13, 2019	Los Angeles, CA	\$200	https://brownfields2019.org/
Waste Management Symposium Requests: Samaras	March 8-12, 2020	Phoenix	\$1,235	www.wmsym.org
2020 Spring Chairs Meeting <i>Board officers preferred</i> Requests: Lohmann	March 31-April 2, 2020	Las Vegas, NV	NA	
National Environmental Justice Conference & Training Requests: Jones	April 22-25, 2020	Washington, D.C.	NA	http://thenejc.org
ORSSAB Annual Meeting <i>All members invited to attend</i>	TBD August 2020		NA	
RadWaste Summit Requests:	September 8-10, 2020		\$625	http://www.radwastesummit.com/
DOE National Cleanup Workshop Requests: Jones	September 16-18, 2020	Alexandria, VA	\$425	www.cleanupworkshop.com
2020 Fall Chairs Meeting <i>Board officers preferred</i> Requests:	TBD	Santa Fe, NM	NA	
EPA Community Involvement Training Requests:	TBD		none	www.epa.gov/superfund/community-involvement-training-program-0
Shaded trips are closed	Due to the complexity of approving and arranging government travel, please indicate your interest as soon as possible. High-interest events may book up to a year in advance.			



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
47	10/28/2019	Japp, DOE	Richards, EPA	EPA Approval for the Phased Construction Completion Report for DARA Soils Removal and Disposal Y-12, Oak Ridge, Tennessee (DOE/OR/01-2836&D1)	DOEIC, Notified board officers of receipt
48	11/4/2019	Japp, DOE	Young, TDEC	TDEC Approval Exposure Unit Z2-12 K-633 Area Sampling and Analysis Plan, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2810&D2)	DOEIC, Notified board officers of receipt
49	11/4/2019	Japp, DOE	Young, TDEC	TDEC Approval Letter Phased Construction Completion Report for Demolition of the Central Neutralization Facility at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2782&D3)	DOEIC, Notified board officers of receipt
50	11/5/2019	Japp, DOE	Jones, EPA	EPA's comments on the Exposure Unit Z2-12, K-633 Area Sampling and Analysis Plan SAP, ETTP, Oak Ridge, TN DOE-OR-01-2810-D2 and Response on the Comment Resolution Form	DOEIC, Notified board officers of receipt
51	11/6/2019	Japp, DOE	Chaffins, EPA	EPA Approval for the Phased Construction Completion Report for Disposal Area Redial Action DARA Soils Removal and Disposal at Y-12, Oak Ridge	DOEIC, Notified board officers of receipt
52	11/7/2019	Jones, EPA; Young, TDEC	Japp, DOE	Distribution of an Erratum to the Melton Valley Watershed Remedial Action Report Comprehensive Monitoring Plan (DOE/OR/01-1982&D3)	DOEIC, Notified board officers of receipt
53	11/12/2019	Japp, DOE	Jones, EPA	EPA 30 Day Extension Request for PCCR for Ecological Areas _DOE OR 01-2820 D2	DOEIC, Notified board officers of receipt
54	11/12/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Final Transmittal of the Erratum to the Phased Construction Completion Report for Ecological Remediation at Duct Island in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2820&D2)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
55	11/12/2019	Japp, DOE	Jones, EPA	EPA Requests an Extension Phased Construction Completion Report for Ecological Remediation at Duct Island in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2820&D2)	DOEIC, Notified board officers of receipt
56	11/13/2019	Japp, DOE	Young, TDEC	TDEC Comments RE Phased Construction Completion Report for Ecological Remediation at Duct Island in Zone 1, ETPP (DOE/OR/01-2820&D2)	DOEIC, Notified board officers of receipt
57	11/14/2019	Daffron, Henry, McMillan & Moore, DOE	Aswathi & Brahmbhatt, TDEC	Site Treatment Plan for Mixed Waste on the DOE ORR Annual Update Revision 24.0- & Semiannual Progress Report	DOEIC, Notified board officers of receipt
58	11/19/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7245 Final Transmittal of Exposure Unit Z2-25 Sampling and Analysis Plan, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2813&D3)	DOEIC, Notified board officers of receipt
59	11/19/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	FINAL- Transmittal of Erratum to the Waste Handling Plan - Part 2 for the Low Risk Low Complexity Facilities of the Remaining Facilities Demolition	DOEIC, Notified board officers of receipt
60	11/15/2019	Japp, DOE	Richards, EPA	EPA Approval Addendum to the Removal Action Work Plan for the Y-12 Facilities Deactivation/Demolition Project, Oak Ridge, Tennessee A3 - Building 9720-22 External Equipment Removal [DOE/OR/01-2479&D1/A3], April 2019	DOEIC, Notified board officers of receipt
61	11/18/2019	Japp, DOE	Young, TDEC	TDEC Approval Letter Addendum I to Waste Handling Plan - Part 2 for Centrifuge Equipment (K-1210/1220) of the Remaining Facilities Demolition Project at ETPP (DOE/OR/01-2226&D1/A1)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
62	11/18/2019	Japp, DOE	Young, TDEC	11-18-19 TDEC Approval Letter 2019 Remediation Effectiveness Report for the U. S. Department of Energy Oak Ridge Site, Oak Ridge, TN DOE-OR-01-2787-D2	DOEIC, Notified board officers of receipt
63	11/18/2019	Japp, DOE	Young, TDEC	11-18-19 TDEC Comment Letter Addendum to the Removal Action Work Plan for the Y-12 Facilities D-D Project - Addendum 6 - Building 9720-22, Oak Ridge	DOEIC, Notified board officers of receipt
64	11/19/2019	Japp, DOE	Jones, EPA	EPA Comments: Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2224&D5/A1/R2)	DOEIC, Notified board officers of receipt
65	11/19/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7243 Final Transmittal of Sampling and Analysis Plan for Exposure Unit Z2-35, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2224&D5/A1/R4)	DOEIC, Notified board officers of receipt
66	11/20/2019	Japp, DOE	Jones, EPA	EPA Comments: Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2224&D5/A1/R2)	DOEIC, Notified board officers of receipt
67	11/20/2019	Japp, DOE	Jones, EPA	EPA Comments on the Addendum 2 to the RDR_RAWP for K-1203 Area of Exposure Unit Z2-12	DOEIC, Notified board officers of receipt
68	11/20/2019	Jones, EPA; Young, TDEC	McMillan & Japp, DOE	7242 Final Appendix D: Sampling and Analysis Plan for Waste Characterization of the 3500 Area Slabs and Contaminated Soils, Oak Ridge National Laboratory, Oak Ridge, Tennessee, (DOE/OR/01-2492&D3/A1/R1)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
69	11/20/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Id 7241- FINAL- Transmittal of the East Tennessee Technology Park Main Plant Groundwater Feasibility Study, Oak Ridge Tennessee DOE-OR-01-2835-D1	DOEIC, Notified board officers of receipt
70	11/21/2019	Japp, DOE	Jones, EPA	EPA Letter Regarding ETPP Milestones Leading to Final RODs	DOEIC, Notified board officers of receipt
71	11/21/2019	Japp, DOE	Jones, EPA	EPA Comments on the proposed milestones to Appendix J to cover additional milestones for the ETPP projects	DOEIC, Notified board officers of receipt
72	11/25/2019	Jones, EPA; Young, TDEC	Henry & Japp, DOE	Response to U. S. Environmental Protection Agency Comments Received August 29, 2019 on Technical Memorandum No. 2	DOEIC, Notified board officers of receipt
73	11/25/2019	Japp, DOE	Jones, EPA	EPA Comments on Appendix L Sampling and Analysis Plan for Exposure Unit Z2-23	DOEIC, Notified board officers of receipt
74	11/26/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7266 Final Transmittal of Addendum to the Remedial Design Report/Remedial Action Work Plan to Determine the Location of the Water Table for Zone 2 Soils, Slabs, and Subsurface Structures at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2224&D5/A3)	DOEIC, Notified board officers of receipt
75	11/25/2019	Japp, DOE	Jones, EPA	EPA Comments: Appendix L Sampling and Analysis Plan for No Further Action Characterization of Exposure Unit Z2-23, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2224&D5/A1/R3)	DOEIC, Notified board officers of receipt
76	11/27/2019	Japp, DOE	VanTrees, EPA	EPA Comments: Phased Construction Completion Report for Demolition of Building K-1037 Barrier Plant at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2829&D1)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
77	11/27/2019	Jones, EPA; Young, TDEC	Henry & Japp, DOE	Final Transmittal of the Addendum to the Remedial Design Report/Remedial Action Work Plan for Water Treatment at Outfall 200 in the Upper East Fork Poplar Creek Characterization Area (DOE/OR/01-2735&D2/A1)	DOEIC, Notified board officers of receipt
78	12/2/2019	Japp, DOE	Young, TDEC	Exposure Unit Z2-25 Sampling and Analysis Plan, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2813&D3)	DOEIC, Notified board officers of receipt
79	12/4/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7281 Final Transmittal of Addendum 4 (Exposure Unit Z2-44 Post Toxic Substances Control Act Incinerator Demolition) to the Fiscal Year 2007 Phased Construction Completion Report for the Zone 2 Soils, and Subsurface Structures at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2723&D2/A4/R1)	DOEIC, Notified board officers of receipt
80	12/4/2019	Japp, DOE	Young, TDEC	Federal Facility Agreement Milestone Modification Request for the Submission of the D1 Phased Construction Completion Report for the 3500 Area of the Bethel Valley Record of Decision North East Corner of Exposure Unit 5	DOEIC, Notified board officers of receipt
81	12/6/2019	Jones, EPA; Young, TDEC	Felosi & Japp, DOE	7280 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: Isotope Row Facilities Legacy Materials Removal and Deactivation (DOE/OR/01-2428&D2/A6)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
82	12/9/2019	Jones, EPA; Young, TDEC	Henry & Japp, DOE	Final Response to Tennessee Department of Environment and Conservation Comments Received August 27, 2019 on Technical Memorandum #2, Environmental Management Disposal Facility Phase 1 Monitoring Oak Ridge, Tennessee (DOE/OR/01-2819&D1)	DOEIC, Notified board officers of receipt
83	12/9/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7276 Final Transmittal of Phased Construction Completion Report for Exposure Unit Z2-14 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2841&D1)	DOEIC, Notified board officers of receipt
84	12/10/2019	Japp, DOE	Urquhart-Foster, EPA	EPA Approval PCCR Poplar Creek Demo	DOEIC, Notified board officers of receipt
85	12/10/2019	Jones, EPA; Young, TDEC	Henry & Japp, DOE	7263 Final Federal Facility Agreement Milestone Extension Request for Environmental Management Disposal Facility Record of Decision and Follow-On Documents	DOEIC, Notified board officers of receipt
86	12/10/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7288 Final Transmittal of Fiscal Year 2019 Phased Construction Completion Report for the Low Risk/Low Complexity Report and Predominantly Uncontaminated Facilities of the Remaining Facilities Demolition Project at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2854&D1)	DOEIC, Notified board officers of receipt
87	12/10/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	7282 Final Transmittal of Errata to the East Tennessee Technology Park Administrative Watershed Remedial Action Report Comprehensive Monitoring Plan, Oak Ridge, Tennessee (DOE/OR/01-2477&D3)	DOEIC, Notified board officers of receipt
88	12/9/2019	Japp, DOE	Young, TDEC	RE: Phased Construction Completion Report for Exposure Unit Z2-5 in Zone 2, ETPP (DOE/OR/01-2821 &D1)	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
89	12/10/2019	Japp, DOE	Urquhart-Foster, EPA	EPA's approval of the Final Phased Construction Completion Report for Poplar Creek High-Risk Facilities Demo at ETPP (DOE/OR/01-2826&DI)	DOEIC, Notified board officers of receipt
90	12/11/2019	Japp, DOE	Jones, EPA	EPA Recommendation to Approve Duct Island Ecological RA PCCR-12-11-19	DOEIC, Notified board officers of receipt
91	12/11/2019	Daffron, Henry, Felosi & Moore	Awasthi & Brahmbatt, TDEC	Site Treatment Plan for Mixed Waste on the ORR - Submittal of Annual Update (version 24.0) and the Semiannual Progress Report	DOEIC, Notified board officers of receipt
92	12/12/2019	Japp, DOE	Young, TDEC	RE: FFA Milestone Extension Request for the EMDF ROD and Follow-On Documents	DOEIC, Notified board officers of receipt
93	12/12/2019	Japp, DOE	Young, TDEC	TDEC Comment Letter Phased Construction Completion Report for Poplar Creek High-Risk Facilities Demolition at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2826&D1)	DOEIC, Notified board officers of receipt
94	12/16/2019	Japp, DOE	Jones, EPA	Addendum 1 to the Waste Handling Plan Part 2 for Centrifuge Equipment (K-12101220) of the Remaining Facilities	DOEIC, Notified board officers of receipt
95	12/16/2019	Japp, DOE	Young, TDEC	Addendum 4 (Exposure Unit Z2-44 Post Toxic Substances Control Act Incinerator Demolition) to the Fiscal Year 2007 Phased Construction Completion Report for the Zone 2 Soils, and Subsurface Structures at East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2723&D2/A4/R1)	DOEIC, Notified board officers of receipt
96	12/16/2019	Japp, DOE	Young, TDEC	Erratum to the Waste Handling Plan - Part 2 for the Low Risk Low Complexity Facilities of the Remaining Facilities Demolition Project, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2199&D2)	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
97	12/16/2019	Mullis, DOE; Wolfley, UCOR; Beach, North Wind Solutions, LLC	Mokha, TDEC	Notice of Deficiency	DOEIC, Notified board officers of receipt
98	12/16/2019	Japp, DOE	Young, TDEC	Remedial Design Report/Remedial Action Work Plan for the Zone 1 K-770 Area at the East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2713&D1)	DOEIC, Notified board officers of receipt
99	12/16/2019	Japp, DOE	Young, TDEC	TDEC Approval Letter: Phased Construction Completion Report for DARA Soils Removal and Disposal Y-12, Oak Ridge, Tennessee (DOE/OR/01-2836&D1)	DOEIC, Notified board officers of receipt
100	12/16/2019	Japp, DOE	Jones, EPA	EPA Approval of Addendum 1 to Waste Handling Plan Part 2 for Centrifuge Equipment K-1210/K1220	DOEIC, Notified board officers of receipt
101	12/17/2019	Japp, DOE	Chaffins, EPA	Phased Construction Completion Report for Ecological Remediation at Duct Island in Zone 1, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2820&D2)	DOEIC, Notified board officers of receipt
102	12/17/2019	Japp, DOE	Jones, EPA	Request for extension under Section XXX of the Oak Ridge Reservation Federal Facility Agreement (FFA) for Environmental Management Disposal Facility	DOEIC, Notified board officers of receipt
103	12/17/2019	Japp, DOE	Jones, EPA	EPA Approval Letter for EMDF D1 ROD Extension Request	DOEIC, Notified board officers of receipt
104	12/17/2019	Japp, DOE	Jones, EPA	EPA Approval of the Duct Island Ecological Phased Construction Completion Report at Duct Island, Z1 ETPP	DOEIC, Notified board officers of receipt
105	12/17/2019	Jones, EPA; Young, TDEC	Henry & Japp, DOE	Response to TDEC Comment Letter on Addendum to the Removal Action Work Plan for the Y-12 Facilities	DOEIC, Notified board officers of receipt



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#	Date	To	From	Description	DOEIC, Notified board officers of receipt
106	12/23/2019	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Transmittal of ERRATUM to the Amendment to the Record of Decision for Interim Actions in Zone 1, K-770 Area Soil Cover, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2796&D3)	DOEIC, Notified board officers of receipt
107	12/23/2019	Jones, EPA; Young, TDEC	Felosi & Japp, DOE	Final Comprehensive Environmental Response, Compensation, and Liability Act - Approvals: Phased Construction Completion Report for Fiscal Year 2019 for the Molten Salt Reactor Experiment Remediation of Secondary Low-Level Waste at the Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2848&D1)	DOEIC, Notified board officers of receipt
108	1/2/2020	Jones, EPA; Young, TDEC	Henry & Japp, DOE	Transmittal of ERRATA Pages for the Fiscal Year 2019 Phased Construction Completion Report for the Oak Ridge Reservation Environmental Management Waste Management Facility (DOE/OR/01-2818&D2)	DOEIC, Notified board officers of receipt
109	1/2/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Transmittal of Amendment to the Record of Decision for Interim Actions in Zone 1 for Final Soil Actions, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2817&D2)	DOEIC, Notified board officers of receipt
110	1/2/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Transmittal of Addendum to the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slabs, and Subsurface Structures, ETTP: Quality Assurance Project Plan and Dynamic Work Plan (DOE/OR/01-2224&D5/A4)	DOEIC, Notified board officers of receipt
111	1/6/2020	Felosi, DOE	Awasthi & Brahmbatt, TDEC	Site Treatment Plan for Mixed Waste on the DOE ORR Annual Update (Version 23.0) Transuranic Sludge	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
112	1/6/2020	Japp, DOE	Young, TDEC	TDEC Comment Letter Phased Construction Completion Report for Demolition of Building K-1037 Barrier Plant at ETPP	DOEIC, Notified board officers of receipt
113	1/7/2020	Felosi, DOE	Awasthi & Brahmatt, TDEC	Mixed Waste Site Treatment Plan - Submittal of the Alternatives for Treatment and Disposal of Sodium and Lithium Shields Milestone Completion	DOEIC, Notified board officers of receipt
114	1/13/2020	Japp, DOE	Young, TDEC	TDEC Comment: Amendment to the Record of Decision for Interim Actions in Zone 1, K-770 Area Soil Cover, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2796&D3)	DOEIC, Notified board officers of receipt
115	1/13/2020	Jones, EPA; Young, TDEC	Felosi & Japp, DOE	Final Submittal of an Erratum to the Waste Handling Plan for Surveillance and Maintenance Activities at the Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2565&D2)	DOEIC, Notified board officers of receipt
116	1/16/2020	Japp, DOE	Jones, EPA	EPA Approval of 2019 Remediation Effectiveness Report for DOE ORR (DOE/OR/01-2787&D2)	DOEIC, Notified board officers of receipt
117	1/16/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Transmittal of Sampling and Analysis Plan for Exposure Unit Z2-19, ETPP (DOE/OR/01-2224&D5/A1/R5)	DOEIC, Notified board officers of receipt
118	1/21/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Planned Bank Stabilization at North Abutment of the K-1007-P1 Wier	DOEIC, Notified board officers of receipt
119	1/13/2020	Japp, DOE	Young, TDEC	Appendix L Sampling and analysis Plan for No Further Action Characterization of Exposure Unit Z2-23, ETPP	DOEIC, Notified board officers of receipt
120	1/16/2020	Japp, DOE	Young, TDEC	Addendum for the Balance of Ecological Remedial Actions to the Remedial Action Work Plan for Dynamic Verification Strategy for Zone 1, ETPP	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
121	1/22/2020	Japp, DOE	Young, TDEC	Erratum to the Waste Handling Plan for Surveillance and Maintenance Activities at ORNL DOE-OR-01-2565-D2	DOEIC, Notified board officers of receipt
122	1/22/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Transmittal of Revisions to the Addendum 2 to the Remedial Design Report/Remedial Action Work Plan for Zone 2 Soils, Slab, and Subsurface Structures for the K-1203 Area Exposure Unit Z2-12 with Technical Memorandum, at ETPP (DOE/OR/01-2224&D5/A2/R1)	DOEIC, Notified board officers of receipt
123	1/22/2020	Japp, DOE	VanTrees, EPA	EPA Comments on The Phased Construction Completion Report for Exposure Unit Z2-15 in Zone 2, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2821 &D1)	DOEIC, Notified board officers of receipt
124	1/27/2020	Japp, DOE	Young, TDEC	EPA Comments on Addendum 2 to the RDRRAWP for K-1203 Area of Exposure Unit Z2 12	DOEIC, Notified board officers of receipt
125	1/28/2020	Distribution	Mullis, DOE	Semiannual Status Report in Accordance with the Memorandum of Agreement for Decommissioning and Demolition of the K-25 Site and Interpretation of the East Tennessee Technology Park	DOEIC, Notified board officers of receipt
126	1/28/2020	Japp, DOE	Young, TDEC	TDEC Approval Letter for FFA Milestone Extension Request for Submission of Phased Construction Completion Report for the 9401-4, 9401-4A, 9720-92 Facilities	DOEIC, Notified board officers of receipt
127	1/30/2020	Japp, DOE	Jones, EPA	EPA comments on the Amendment to the Record of Decision for Interim Actions in Zone 1 for Final Soil Actions, ETPP, Oak Ridge, TN DOE-OR-01-2817-D2	DOEIC, Notified board officers of receipt



FY 2020 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
128	2/3/2020	Japp, DOE	Young, TDEC	Phased Construction Completion Report for Fiscal Year 2019 for the Molten Salt Reactor Experiment Remediation of Secondary Low-Level Waste at Oak Ridge National Laboratory, Oak Ridge, Tennessee (DOE/OR/01-2848&D1)	DOEIC, Notified board officers of receipt
129	2/3/2020	Jones, EPA; Young, TDEC	Daffron & Japp, DOE	Response to the U.S. Environmental Protection Agency Inquiry Regarding the U.S. Department of Energy Letter Dated January 21, 2020 Pertaining to Planned Bank Stabilization at North Abutment of the K-1007-P1 Pier	DOEIC, Notified board officers of receipt
130	2/3/2020	Japp, DOE	Young, TDEC	RE: Amendment to the Record of Decision for Interim Actions in Zone 1 for Final Soil Actions, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2817&D2)	DOEIC, Notified board officers of receipt
131	2/4/2020	Japp, DOE	Urquhart-Foster, EPA	EPA Comments on Addendum 4 (Exposure Unit Z2-44 Post Toxic Substances Control Act Incinerator Demolition) 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/A4/R1)	DOEIC, Notified board officers of receipt



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Shelley Kimel
- II. Date(s) of Travel:** October 27-31
- III. Location of Meeting:** Sun Valley, Idaho
- IV. Name of Meeting:** EM SSAB Chairs Meeting
- V. Purpose of Travel:** To support ORSSAB participation in meeting other boards from around the complex to discuss common issues; follow up on meeting actions and recommendations; and meet with DOE headquarters and field staff for updates on the EM SSAB program

VI. Discussion of Meeting:

For a full agenda and related documents, see attachments to this report.

A tour of the DOE Idaho site took place on Monday, October 28. Attendees visited the following locations:

- Craters of the Moon National Park to view its museum and receive a briefing on the Idaho site's interaction with local Native American tribes that are a key community group there.
- Waste location where the group learned about waste currently stored on site, ongoing cleanup efforts, and long-term plans for safe remediation and closure of the site.
- Reactor museum
- Idaho National Laboratory, which has a significant nuclear energy component, much of which is focused on research for the U.S. Navy.

On Tuesday, the EM SSAB meeting opened with a welcome from Jack Zimmerman, the deputy manager for the Idaho Cleanup Project. Oak Ridge attendees included Michelle Lohmann and Bonnie Shoemaker. EM SSAB Designated Federal Officer David Borak presided. Headquarters staff took minutes during the meeting, and a transcript should be available from DOE in the near future. It, as well as digital copies of meeting materials are available on the EM SSAB website, www.energy.gov/emssab.

Attendees received an update on the EM Program from Todd Shrader, Principle Deputy Assistant Secretary (EM-2). Representatives from each SSAB shared their recent successes and goals for the coming year. Robin Osik, an EM Headquarters budget analyst, presented an update on the federal budget process. Betsy Connel, of the EM headquarters Office of Regulatory and Policy Affairs,

discussed the latest information on EM's waste disposition efforts. Due to the EM SSAB's continued interest in EM's waste transportation process, Ken Niles with the Oregon Department of Energy's Office of Nuclear Safety and Energy Emergency Preparedness, gave an overview of working with DOE on transportation planning. He detailed the significant training drivers receive, over and above regular long haul trucking requirements, in order to become and remain qualified to transport these materials. Following the presentations, members began work on three proposed recommendations that were brought to the event.

On Wednesday, members continued refining the recommendations proposed the previous day. Ultimately, two recommendations were finalized. David Borak provided an update on DOE headquarters 'News and Views' from his perspective as Designated Federal Officer. Of note were

- Discussions on an executive order to reduce the number of federal advisory boards. It was emphasized that EM SSAB counts as just one organization for the purpose of this EO and that there are other types of boards, many defunct, that can be eliminated.
- A set of bylaws for the Chairs are to be developed, similar to how each individual local board has their own rules. This will help ensure continuity and streamline the recommendation process
- The next Chairs meeting will be March 31-April 2 in Las Vegas.

The meeting was followed by an EM SSAB staff (DOE and contractor) meeting where local site staff were able to share insight into their work, from best practices to administrative issues. David Borak also shared information on how his office is preparing for the boards' upcoming membership recruitment and appointment processes.

VII. Significance to ORSSAB:

Understanding other boards' issues and maintaining working relationships with the other SSABs is invaluable to helping this board do its job. Sharing experiences and best practices ensures the SSABs remain a valuable resource to DOE.


VIII. Names & Telephone Numbers of Significant Contacts:

Contact information for EM SSAB members and staff are available on request.

IX. Action Items:

None.

X. Traveler's Signature & Date:

Signature: 

Date: 11/15/19



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Bonnie A. Shoemaker
- II. Date(s) of Travel:** October 27 – 31, 2019
- III. Location of Meeting:** Sun Valley, Idaho
- IV. Name of Meeting:** Department of Energy – Environmental Management (DOE-EM) Site-Specific Advisory Board (SSAB) Chairs Meeting
- V. Purpose of Travel:**

As a SSAB Chairs member, provide an overview of Oak Ridge site-specific updates to the group, receive updates from other DOE-EM sites, and develop recommendations as a collective group for DOE-EM to consider in support of environmental management clean-up efforts across the facilities

VI. Discussion of Meeting:

Day One:

Site tour of Idaho National Laboratory (INL), including the Radioactive Waste Management Complex, (RWMC) to remotely observe buried waste retrieval, visits to the Advanced Mixed Waste Treatment Facility, EBR-1, and the Advanced Test Reactor, and the Integrated Waste Treatment Unit.

Day Two:

The meeting began with opening remarks from Jack Zimmerman, Deputy Manager for the Idaho Cleanup Project, and David Borak, EM SSAB Designated Federal Officer. Specifically, in Mr. Borak's remarks, he set the stage for the meeting discussion to be focused at the complex-wide level to look at issues that have broad impact across the facilities, regardless of location.

An EM program update was provided by Todd Shrader (EM-2).

- Mr. Shrader remarked on the progress that has been made over the last thirty years, citing the work to reduce sites with clean-up efforts ongoing from 107 to 17 during that time.

- He remarked that funding for FY 2020 generally looked favorable, with work focused on end-state contracting, and the need to show success on efforts to continue to receive funding at recent levels.
- There was also some discussion regarding interdependencies related to transuranic waste (TRU) and INL waste capabilities and shipping decisions including risk assessment and state transportation regulations.

Chairs conducted a round robin session, providing updates regarding recent activities and accomplishments as well as FY 2020 focus areas for each SSAB site.

A Waste Disposition Update was presented by Betsy Connell, Associate Principal Deputy Assistant Secretary for the Office of Regulatory and Policy Affairs. Ms. Connell provided a comprehensive update on many activities, which provided a better understanding for the group to the complexity that drives decisions organizationally.

Ken Niles, Assistant Director of the Oregon DOE – Office of Nuclear Safety and Energy Emergency Preparedness, gave a presentation on DOE transportation planning, which included driver requirements and additional training, with insight into incidents and accidents that have occurred during the transport of DOE waste and how well the transport program has operated and delivered on its mission to-date.

The final topic of the day's meeting was a presentation of three draft chair's recommendations for consideration. The three proposed recommendations were as follows:

1. Recommendation on Improving EM SSAB and Public Engagement in the DOE EM Budget Process
2. Recommendation on the Disposition and Transport of Nuclear Material
3. Recommendation on Infrastructure Improvement

Day Three:

An update on DOE headquarter news was presented by David Borak which included a current comprehensive review of DOE-EM workforce planning/staffing.

DOE-EM is putting together a management plan for technology developments that occur as a result and in support of environmental cleanup efforts. DOE-EM is also looking at how other federal agencies capture this information, i.e. criteria captured, tracking of milestones, etc.

Mr. Borak also included a presentation on Executive Order 138.75, which calls for a reduction of federal advisory boards by one-third by September 30, 2020. DOE is working with the administration to determine how to comply with this order.

Mr. Borak also gave general updates relative to the Chair's Board, specifically by-laws. Although there are established by-laws for each site-specific advisory board, there are no established by-laws for the Chair's Board regarding establishment of recommendations, voting, and conduct of meetings. This topic may be addressed at subsequent Chair's Board meetings.

Mr. Borak's presentation was followed by a public comment period. One comment came forward by a member of the public who also identified himself as a SSAB board member.

Three proposed chair's recommendations were presented, which included 1) EM SSAB and public engagement in the DOE EM budget process, 2) disposition and transportation of nuclear material, and 3) improvement/maintenance of infrastructure to ensure safe transport of nuclear material.

After thorough group discussions, the Chairs agreed by majority to proceed with recommendations 1 and 2 to DOE-EM. Recommendation 3 was discussed regarding infrastructure improvements; however, the primary concerns expressed in the recommendation were tied to infrastructure that is managed by other federal agencies. With no decision authority related to these government assets, it was decided not to proceed with this recommendation.

VII. Significance to ORSSAB:

The meetings provided the opportunity to tour the facilities at the Idaho National Laboratory and to meet and interact with DOE EM HQ personnel and SSAB members from other sites. Knowledge of issues at other sites was obtained from their presentations and from discussions of their clean-up efforts. Additionally, I gained an appreciation for the clean-up issues across the DOE complex and the importance of prioritizing these efforts and ensure that funding is maintained for these efforts and for long-term stewardship. This meeting provided insight for me to share with members of the ORSSAB.

VIII. Names & Telephone Numbers of Significant Contacts:

IX. Action Items:

Share the recommendations developed at the Chair's meeting with our site-specific SSABs.

X. Traveler's Signature & Date:

Signature: Bonnie A. Shoemaker

Date: 11/14/2019