



Many Voices Working for the Community

Oak Ridge Site Specific Advisory Board

Monthly Meeting of the Oak Ridge Site Specific Advisory Board

APPROVED 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
Tom Tuck

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 ETPP.
 - 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 February 8, 2023, meeting of the Oak Ridge Site Specific Advisory Board.



Leon Shields, Chair



Michelle Lohmann, Secretary

May 10, 2023

Oak Ridge Site Specific Advisory Board

ML/sm