

**Oak Ridge Reservation Communities Alliance (ORRCA)  
Minutes**

Wednesday, January 25, 2023

2:30 PM

Tennessee Department of Environment and Conservation, DOR  
761 Emory Valley Road, Oak Ridge TN

**Members Present:** Jane Jolley (proxy for Knox County Mayor Glenn Jacobs), Councilwoman Ellen Smith (proxy for City of Oak Ridge Mayor Warren Gooch), Roane County Executive Wade Creswell, Anderson County Mayor Terry Frank

**Others Present:** (Sign In sheet attached)

**Meeting was called to order** at 2:37 p.m. by Mayor Frank.

**Motion** by Executive Creswell, second by Councilman Smith to approve the July 20, 2022 minutes. Motion approved unanimously.

**Discussion:** For the benefit of new members, Amy Fitzgerald provided members with historical background. She distributed copies of Resolution No. 7-69-2019, and the Interlocal Agreement between Anderson, Knox, Morgan, Roane, and the City of Oak Ridge for the purposes of cooperating on issues related to the U.S. Department of Energy's Environmental Management Program, Emergency Management Programs, and to be recognized as the Oak Ridge Reservation Communities Alliance. (Attached). The Interlocal Agreement expires on June 30, 2023.

**Motion** by Executive Creswell, second by Councilwoman Smith to approve the Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA) Environmental Surveillance and Oversight Agreement (ESOA) FY 24 (July 1, 2023—June 30, 2024). Motion approved unanimously. (Attached)

**Motion** by Councilwoman Smith, second by Executive Creswell to approved the Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA) Federal Facility Agreement FY 24 (July 1, 2023—June 30, 2024). Motion approved unanimously. (Attached)

**Discussion:** TDEC Staff noted that they are submitting their annual work plan and their 5 year plan the week of January 30th. It was noted that ORRCA needs to submit their 5 year work plan. Following discussion, it was agreed that ORRCA would plan to approve their 5 year plan at the March 6, 2023 meeting.

**Meeting Dates** were established for the next ORRCA meetings: Monday, March 6, 2023 and Monday, June 5, 2023.

**Updates:** Kristtof Czartoryski, TDEC and Steve Cook, DOE offered brief updates. K. Czartoryski, noted that TDEC is proposing the same 2023 budget for ORRCA in the amount of \$192,876 in their plan.

**Open Discussion:** Doug Colclasure asked if there was a status update on the Poplar Creek shoreline. It was noted ORRCA would try to provide an update at the March 6, 2023 meeting.

**Adjournment:** Being no other business to come before the board, the meeting was adjourned without objection at 3:23 p.m.

# ORRCA

Oak Ridge Reservation Communities Alliance

January 25, 2023

## PLEASE SIGN IN:

Terry Frank	Anderson County	tfrank@andersoncountyttn.org
Suzanne Samsell	TDEC	Suzanne.Samsell@tn.gov
Zilena Marcillo	TDEC	
Dana Casey	TDEC	
Amy Fitzgerald	City of OR	afitzgerald@oakridgetn.gov
Tia Suti	Roane EMA	tia.suti@roanecountyttn.gov
Ellen Smith	City of VR	esmith@oakridgetn.gov
Jane Jolley	Knox Co.	jane.jolley@knoxcounty.org
Kendahl Moore	City of Oak Ridge	kmoore@oakridgetn.gov
Travis Solomon	" "	tsolomon@oakridgetn.gov
Doug Colwell	Citizen City of O.R.	DOUGCOLWELL@vol.gov
KRISTOF CZARTORYSKI	TDEC	KRISTOF.CZARTORYSKI@TN.GOV

**Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA)  
Environmental Surveillance and Oversight Agreement (ESOA)  
FY24 (July 1, 2023 thru June 30, 2024)**

**Introduction:**

In November 2018, the U.S Department of Energy (DOE), the National Nuclear Security Administration (NNSA) and the State of Tennessee (State) signed a five-year (5) agreement entitled the Oak Ridge Reservation (ORR) Environmental Surveillance Oversight Agreement (ESOA). Through a program of independent environmental surveillance oversight and monitoring, the ESOA is “designed to assure the citizens of Tennessee that DOE’s activities in Oak Ridge, Tennessee, are being performed in a manner that is protective of their health, safety, and environment.”

In carrying out the ESOA Agreement, “the Parties will fully cooperate and coordinate with each other, other federal and State agencies and local governments affected by this Agreement. The Parties to this Agreement shall commit to maintaining a direct and open relationship with local governments, such as engagement with the Oak Ridge Reservation Communities Alliance (ORRCA).”

For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

**Scope of Services:**

**1. The Grantee shall support implementation of the Environmental Surveillance Oversight Interlocal Agreement (ESOIA)**

The ESOIA was approved on June 24, 2019 and will serve as the framework for the operation of ORRCA. ORRCA will conduct outreach and educational activities to the public and potentially affected local governments in to help assure the citizens of the affected local government that the U.S. Department of Energy’s (DOE) activities are being performed in a manner that is protective of their health, safety, and environment. For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

At the U.S. Department of Energy’s (DOE) annual Intergovernmental Meeting held in November 2018, a discussion was held among ORRCA, DOE and the State of Tennessee representatives to identify priorities affecting ongoing operations at the Oak Ridge Reservation. The parties agreed that ORRCA would continue to serve as a key interface for ongoing collaboration on environmental surveillance oversight and, monitoring, reuse, and emergency planning/response issues.

The State’s annual environmental monitoring reports, along with the DOE Environmental Monitoring Plan (EMP), and the Annual Site Environmental Report (ASER) will serve as guiding documents.

During FY24, emphasis will be placed on discussions regarding a subsequent five-year agreement and grant process to better align local government needs in the DOE/State program.

**2. The Grantee shall promote local government involvement and public awareness in the continued operations of the Oak Ridge Reservation facilities.**

ORCCA will continue to collaborate among the regional local governments to promote better understanding of the continued operations of the Oak Ridge Reservation facilities. Participation with DOE, EPA, and TDEC officials in meetings, such as those listed in this plan as “Upcoming Meetings of Interest,” will be instrumental in educating local officials in support of the grant scope.

During FY24 emphasis will be placed on:

- Enhancing communication with DOE, EPA, and TDEC regarding local priorities and concerns related to Environmental Monitoring Priorities and Budgets
- Improving understanding of how environmental monitoring is conducted on the ORR
- Participating in Emergency Response Planning and Training related to the ORR, such as training for post emergency environmental monitoring
- Continuing to enhance understanding of the relative risk associated with the ORR to improve off-site emergency planning and response
- Integrating ORR emergency response and planning into comprehensive disaster recovery plans of member jurisdictions
- Engaging in Environmental Management activities related to compliance with the National Historic Preservation Act and the Manhattan Project National Historical Park

**3. The Grantee shall disseminate accurate and information concerning present or proposed activities related to continued operations of the Oak Ridge Reservation facilities.**

During FY24 emphasis will be placed on:

- Continuing to improve public education through dissemination of current and information on ORRCA’s website
- Continuing to enhance public education about the quality of the natural environment in Oak Ridge and host counties through a coordinated communications program focusing on the Oak Ridge Corridor
- Continuing to educate local officials and other stakeholders from other DOE sites about ORR facilities and activities

**4. The Grantee shall identify local concerns and issues relevant to the operation of the Oak Ridge Reservation and environs and present concerns to the State of Tennessee and the Department of Energy during the selection of annual work and budget priorities.**

ORCCA will continue to engage with the State and DOE to improve understanding of local government and community concerns.

During FY24 emphasis will be placed on:

- DOE’s Strategic Plan for Mercury, including source reduction and treatment, monitoring, and expediting studies related to treatment and reduction of mercury
- Continued emphasis on reducing/mitigating/eliminating off-site impacts, particularly groundwater issues

- Modernization of water and wastewater infrastructure needed to support the ongoing DOE missions on the Oak Ridge Reservation
- Participation in site planning to promote the ongoing reindustrialization of ETRP
- Transfer of excess/underutilized property for economic and community development

**5. The Grantee shall prepare special studies and reports, as needed, to educate local officials and further public information.**

During FY24 emphasis will be placed on:

- Review and assessment of monitoring and surveillance programs for all applicable media (i.e., air, surface water, soil, sediments, groundwater, precipitation, food crops, fish and wildlife, and biological systems)
- Providing a local government mechanism for input into DOE's budgetary and programmatic priorities

**6. Federal, State, Local Government and Public Interaction**

ORCCA serves as a key interface for ongoing collaboration on clean up, reuse, and planning and response issues. ORCCA collaborates among regional local governments to promote a better understanding of the continued operations of the ORR facilities, including the environmental management and emergency response programs.

In implementation of ESOA, ORCCA members will cooperate and coordinate with TDEC, DOE, other federal and state agencies, and other local governments. Activities will involve coordination with DOE and the public on both a local and national level, as well as participation in organizations such as the Energy Communities Alliance.

**7. Environmental Response Actions**

ORCCA members' personnel may request surveys and actions in support of public health advisories on East Fork Poplar Creek and other area reservoirs/rivers. ORCCA members' personnel, as required or requested, may support environmental response to accidental spills, releases, and emissions as reported by the DOE to the State and the Environmental Protection Agency (EPA). ORCCA members' personnel will participate in annual emergency preparedness training conducted in accordance with the Multi-Jurisdictional Response Plan for the DOE ORR. This will include participation in planning and training jointly with DOE, state agencies, local governments and emergency response personnel for situations arising from incidents that may occur on ORR sites. The ORCCA role includes support the recovery phase of operations and will include training to analyze field and post emergency environmental monitoring. Staff will be trained in planning environmental response operations, improving understanding of field monitoring, and communications.

**8. Training**

ORCCA members' staff will maintain the necessary programs, equipment, training, and procedures to

conduct support ESOA activities in a safe manner.

**9. Meetings of Interest:**

- a. Oak Ridge Site Specific Advisory Board Annual Meeting--TBD Summer 2023**
- b. Manhattan Project National Historical Park Cities' Meeting**  
**August 16-17, 2023 in Los Alamos, NM**
- c. National Cleanup Workshop 2023**  
**September 11-13, 2023 in Arlington, VA**  
**Website: [www.cleanupworkshop.com](http://www.cleanupworkshop.com)**
- d. DOE Intergovernmental Meeting---TBD Nov 2023**
- e. Waste Management Symposium (WMS)**  
**March 10-14, 2024 in Phoenix, AZ**
- f. ECA New Nuclear Initiative Forum—TBD**

**Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA)  
Federal Facility Agreement (FFA)  
FY24 (July 1, 2023 thru June 30, 2024)**

**Introduction:**

In December 2017, the DOE Oak Ridge Office of Environmental Management (OREM) and the Tennessee Department of Environment and Conservation (TDEC) executed a five-year (5 year) Memorandum of Agreement (MOA) regarding the recovery of expenses as described in the Federal Facilities Agreement (FFA) Section XXXV. The MOA addresses recovery of expenses by TDEC for costs specifically related to the implementation of the FFA. The MOA specifies stakeholder and public information liaison with “the Oak Ridge Reservation Communities Alliance, hosting public information sessions, and responding to the local governments’ and community’s concerns, specific to FFA and Environmental Management activities.”

For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

**Scope of Services:**

**1. The Grantee shall support implementation of the Federal Facilities Agreement (FFA)**

At the U.S. Department of Energy’s (DOE) annual Intergovernmental Meeting held in November 2018, a discussion was held among ORRCA, DOE and the State of Tennessee representatives to identify priorities for clean-up of the Oak Ridge Reservation. The parties agreed that ORRCA would continue to serve as a key interface for ongoing collaboration on cleanup matters.

As this interface continues during FY24, ORRCA will serve as liaison to TDEC for the purposes of responding to local governments’ and community’s concerns, specific to FFA and Environmental Management activities.

The FY24 TDEC work plan and the FY 2023 – 2024 Federal Facility Agreement Milestones Appendix E will serve as a guide for specific environmental management scope and deadlines.

**2. The Grantee shall promote local government involvement and public awareness, and community engagement in the Oak Ridge Reservation (ORR) environmental restoration process.**

ORCCA will continue to collaborate among the regional local governments to promote better understanding of the cleanup of the Oak Ridge Reservation facilities, including the environmental management program. Participation with DOE, EPA, and TDEC officials in meetings, such as those listed in this plan as “Upcoming Meetings of Interest,” will be instrumental in educating local officials in support of the grant scope.

During FY24 emphasis will be placed on:

- Engagement on the balance of East Tennessee Technology Park cleanup, including priority actions related to the proposed Oak Ridge Airport



- Public education and outreach to dispel negative environmental perceptions about Oak Ridge, and to communicate opportunities for reindustrialization, workforce and economic development, and recreation in the Oak Ridge Corridor
- Improving local officials' and the public's understanding of regulatory waivers and the cost/benefit of this approach for the cleanup of the ORR
- Site characterization and the development of Waste Acceptance Criteria (WAC) for waste disposal, particularly related to mercury-contaminated materials.
- Improving local officials' and the public's understanding of DOE's policy of integrating NEPA values into CERCLA, and associated costs/benefits
- Enhancing communication with DOE, EPA, and TDEC regarding local priorities and concerns related to Environmental Management Projects, Priorities and Budgets
- Improving understanding of Federal Facility Agreement (FFA) process and milestones
- Engaging in Environmental Management activities related to compliance with the National Historic Preservation Act and the Manhattan Project National Historical Park

**3. The Grantee shall disseminate accurate and information concerning present or proposed activities related to continued operations of the Oak Ridge Reservation facilities.**

During FY24 emphasis will be placed on:

- Disseminating current information about the reindustrialization program at the East Tennessee Technology Park, including the availability of property for beneficial reuse
- Continuing to improve public education through dissemination of current and information on ORRCA's website
- Continuing to enhance public education about the quality of the natural environment in Oak Ridge and host counties through a coordinated communication program
- Continuing to educate local officials and other stakeholders from other DOE sites about environmental management of ORR facilities and activities, including participation in the Energy Communities Alliance

**4. The Grantee shall identify local concerns and issues relevant to the environmental management of the Oak Ridge Reservation and environs and present concerns to the State of Tennessee and the Department of Energy during the selection of annual work and budget priorities.**

ORCCA will continue to engage with the State and DOE to improve understanding of local government and community concerns.

During FY24 ORCCA emphasis will be placed on:

- CERCLA's Natural Resources Damages Assessment study and mitigation for the ORR
- DOE's Strategic Plan for Mercury, including source reduction, treatment, storage and promotion of off-site disposal of mercury contaminated waste and soils
- Continued emphasis on reducing/mitigating/eliminating off-site impacts, particularly groundwater issues
- Continued emphasis on costs/benefits of on-site versus off-site disposal

- Modernization of water and wastewater infrastructure needed to support the ongoing DOE missions on the Oak Ridge Reservation
- Participation in the ongoing reindustrialization of ETPP
- Schedule for shipments to the WIPP facility in New Mexico
- Expediting studies related to treatment and reduction of mercury
- Risk Communication, including signage and other public communications
- Environmental Management activities that will help facilitate and expedite interpretation of historic properties
- Transfer of excess/underutilized property for economic and community development

**5. The Grantee shall prepare special studies and reports, as needed, to educate local officials and further public information.**

During FY24 emphasis will be placed on:

- Review and assessment of projects related to the cleanup of the Oak Ridge Reservation and related offsite activities such as restoration of groundwater and fish
- Providing a local government mechanism for input into DOE's budgetary and programmatic priorities
- Continue to provide input into how financial performance bonds are assessed on companies which store and treat DOE waste
- Legislative, Regulatory, and Administrative activities at the Federal and State levels related to the storage, transportation and permanent disposal of nuclear waste

**6. Training**

ORRCA members' personnel are required to complete state specific training annually to familiarize themselves with CERCLA and the ORR-wide cleanup efforts as well as certifications to perform their work. Staff will pursue professional and technical training as needed to maintain the skills and knowledge required to fulfill the responsibilities of the ORRCA work plan.

**7. Meetings of Interest:**

- a. Oak Ridge Site Specific Advisory Board Annual Meeting--TBD Summer 2023**
- b. Manhattan Project National Historical Park Cities' Meeting**  
**August 16-17, 2023 in Los Alamos, NM**
- c. National Cleanup Workshop 2023**  
**September 11-13, 2023 in Arlington, VA**  
**Website: [www.cleanupworkshop.com](http://www.cleanupworkshop.com)**

- d. DOE Intergovernmental Meeting---TBD Nov 2023
- e. Waste Management Symposium (WMS)  
March 10-14, 2024 in Phoenix, AZ
- f. ECA New Nuclear Initiative Forum---TBD

# Oak Ridge Reservation Communities Alliance (ORRCA) Meeting

## AGENDA

Wednesday, January 25, 2023 at 2:30 PM

Location of Meeting: Tennessee Department of Environment and Conservation, Division of Remediation (DOR); 761 Emory Valley Road, Oak Ridge, TN

- |       |  |                      |
|-------|--|----------------------|
| I.    | Welcome and Introductions  | Chairman Terry Frank |
| II.   | Approval of Minutes from <i>July 20, 2022</i> Meeting  | All                  |
| III.  | Discussion of ORRCA's FY24 and 5-year Work Plan/ budget  | All                  |
|       | a. FFA   |                      |
|       | b. ESO   |                      |
| IV.   | DOE Updates  | DOE Staff            |
| V.    | TDEC Updates and Discussion of FY24 and 5-year Work Plan   | TDEC Staff           |
| VI.   | Meetings (ECA, DOE Annual Intergovernmental, etc.)   |                      |
|       | a. Waste Management Symposium (WMS)<br>February 28 – March 1 in Phoenix, AZ  |                      |
|       | b. ECA New Nuclear Initiative Forum<br>May 17-19 in Paducah, KY  |                      |
|       | c. Manhattan Project National Historical Park Cities' Meeting<br>August 16-17 in Los Alamos, NM  |                      |
|       | d. National Cleanup Workshop 2023<br>September 11-13, 2023 in Arlington, VA<br>Website: <a href="http://www.cleanupworkshop.com">www.cleanupworkshop.com</a> |                      |
|       | e. DOE Intergovernmental Meeting---TBD Nov 2023  |                      |
| VII.  | Determine Dates for Next ORRCA Meetings for 2023:  |                      |
|       | a. Monday, March 6th   |                      |
|       | b. Monday, June 5 <sup>th</sup>  |                      |
| VIII. | Other Discussion   |                      |
| IX.   | Adjournment  |                      |



January 16, 2023

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**NOTICE**

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**TO: OAK RIDGE RESERVATION COMMUNITIES' ALLIANCE (ORRCA)**

- Wade Creswell
- Terry Frank
- Warren Gooch
- Brian Langley
- Glenn Jacobs

**RE: MEETING NOTIFICATION REMINDER**

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Just a reminder of the upcoming **ORRCA** (Oak Ridge Reservation Communities Alliance) meeting on **Wednesday, January 25, 2023, at 2:30 p.m.** at Tennessee Department of Environment and Conservation-Division of Remediation (TDEC), Oak Ridge (TDEC-DOR OR) 761 Emory Valley Road, Oak Ridge, TN 37830.

***The meeting is open to the public.***

**cc: media  
ORRCA Board  
ORRCA Committee  
RCERB**

# Oak Ridge Reservation Communities Alliance

July 20, 2022 at 2:00 pm

Location of Meeting: Tennessee Department of Environment and Conservation, DOR, ORO

**Members Present:** Chairman **Ron Woody**, Roane County Executive; **Terry Frank**, Anderson County Mayor; **Warren Gooch**, City of Oak Ridge Mayor; **Jody Zorsch**, proxy for Morgan County

**Members Absent:** Jane Jolley, proxy for Knox County Mayor and Glenn Jacobs, Knox County Mayor; Brian Langley, Morgan County Executive

**Others Present:** **Bonnie Angus**, Roane County Executive Administrative Assistant; **Amy Fitzgerald**, COR; **Ellen Smith**, COR; **Kendahl Moore**, COR; **Mary Anne Koltowich**, RCERB; **Doug Colclasure**, Citizen; **Suzanne Sawusch**, TDEC; **Lyndsay Collins**, Roane County Grants Administrator; **Tim Suter**, Roane County EMA; **Pam May**, Roane Alliance; **Travis Soloman**, City of Oak Ridge Fire Chief; **Kristof Czartoryski**, TDEC; **David Martin**, Citizen; **Nancy Martin**, Citizen; **Mark Watson**, COR; **Lauren Gray**, COR; **Mike Koentopp**, DOE

**Purpose of Meeting:** (Agenda Attached)

**Call to Order:** Chairman **Ron Woody** called the meeting to order at 2:00 pm and asked for introductions.

- I. **Welcome and Opening Comments:** (see attached sign-in)  
Chairman **Woody** welcomed everyone to the meeting and began the review of the agenda and minutes from the previous meeting.
- II. **Approval of Minutes:**  
A motion was made by **Mayor Gooch** and a second was made by **Mayor Frank** to accept the minutes from the March 28, 2022 meeting. On a voice note, the motion **passed**.
- III. **Discussion of the FY22 and FY23 ORRCA Budget:** (see attached)
  - a) FFA and ESOA budgets were discussed among the board.
  - b) FFA grant has increased to \$96,438 to match the amount of ESOA grant.
- IV. **Updates on ORRCA Public Education and Outreach Efforts:**
  - a) Website is live and can be view at <https://oakridgecorridor.tn.com/>
  - b) Over 500,000 impressions, clicks, and views on Social Media

V. **DOE Updates on Proposed Landfill, etc.:**

- a) **Mike Koentopp** with DOE discussed the status of the proposed landfill.
- b) ROD to be submitted to regulators on Friday, July 22, 2022.
  - 1. Review process can take up to 60 days from submission.
- c) Mercury
  - 1. Great progress, however, water management has been a challenge.
  - 2. End of project estimated for end of 2025.

VI. **Election of Chairperson:**

A **motion** was made by **Mayor Gooch** and a second was made by **Jody Zorsch** to elect **Mayor Frank** as Chairperson. On a voice note, the motion **passed**.

VII. **Meetings (ECA, DOE Annual Intergovernmental, etc.):**

- a) National Cleanup Workshop 2022 set for September 21-23, 2022 in Arlington, VA.
- b) Registration is open and can be found at [www.cleanupworkshop.com](http://www.cleanupworkshop.com)
- c) DOE Intergovernmental Meeting- TBD November 2022

VIII. **Upcoming ORRCA Meeting for 2022:**

- a) September 12 or 19, 2022 for consideration. TBD

IX. **Adjournment:**

A motion was made to adjourn at 2:35 pm.

Submitted by Bonnie Angus, Roane County Executive Office



**Roane County**  
**Office of Emergency Services**

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Kingston, TN 37763  
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llow us on Facebook

Topic: ORRCA Meeting

Date: July 20, 2022

## ORRCA Meeting Sign-in

NAME	Organization	E-mail
Mary Anne Koltowich	REERB	kolsmithma@gmail.com
Nancy Martin	Citizen	
David Martin	Citizen	dmartin2813@comcast.net
MARK WATSON	City of Oak Ridge	mwatson@oakridgetn.gov
Lauren Gray	CITY OF OAKRIDGE	lgray@oakridgetn.gov
Travis Solomon	City of oak Ridge	tsolomon@oakridgetn.gov
Kendahl Moore	"	kmoore@oakridgetn.gov
Tim Suter	Roane EMA	tim.suter@roanecountytn.org
Lyndsay Collins	Roane County Govt	Lyndsay.collins@roanecountytn.org
Suzanne Sawusch	TDEC-DOOR	Suzanne.Sawusch@tn.gov
Doug Collier	Greenway Oak Ridge	Dougcolier@aol.com
Ellen Smith	City of OR	esmith@oakridgetn.gov





APPROVED March 28, 2022

**Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA)  
Federal Facility Agreement  
FY23 (July 1, 2022 thru June 30, 2023)**

**Introduction:**

In December 2017, the DOE Oak Ridge Office of Environmental Management (OREM) and the Tennessee Department of Environment and Conservation (TDEC) executed a five-year (5 year) Memorandum of Agreement (MOA) regarding the recovery of expenses as described in the Federal Facilities Agreement (FFA) Section XXXV. The MOA addresses recovery of expenses by TDEC for costs specifically related to the implementation of the FFA. The MOA specifies stakeholder and public information liaison with "the Oak Ridge Reservation Communities Alliance, hosting public information sessions, and responding to the local governments' and community's concerns, specific to FFA and Environmental Management activities."

For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

**Scope of Services:**

**A.2. The Grantee shall support implementation of the Federal Facilities Agreement (FFA)**

At the U.S. Department of Energy's (DOE) annual Intergovernmental Meeting held in November 2018, a discussion was held among ORRCA, DOE and the State of Tennessee representatives to identify priorities for clean-up of the Oak Ridge Reservation. The parties agreed that ORRCA would continue to serve as a key interface for ongoing collaboration on cleanup matters.

As this interface continues during FY23, ORRCA will serve as liaison to TDEC for the purposes of responding to local governments' and community's concerns, specific to FFA and Environmental Management activities.

The FY23 TDEC work plan and the FY 2022 – 2024 Federal Facility Agreement Milestones Appendix E will serve as a guide for specific environmental management scope and deadlines.

**A. 3. The Grantee shall promote local government involvement and public awareness, and community engagement in the Oak Ridge Reservation (ORR) environmental restoration process.**

ORCCA will continue to collaborate among the regional local governments to promote better understanding of the cleanup of the Oak Ridge Reservation facilities, including the environmental management program. Participation with DOE, EPA, and TDEC officials in meetings, such as those listed in this plan as "Upcoming Meetings of Interest," will be instrumental in educating local officials in support of the grant scope.

During FY23 emphasis will be placed on:

- Engagement on the balance of East Tennessee Technology Park cleanup, including priority actions related to the proposed Oak Ridge Airport.

APPROVED March 28, 2022

- Public education and outreach to dispel negative environmental perceptions about Oak Ridge, and to communicate opportunities for reindustrialization, workforce and economic development, and recreation in the Oak Ridge Corridor.
- Improving local officials' and the public's understanding of regulatory waivers and the cost/benefit of this approach for the cleanup of the ORR
- Site characterization and the development of Waste Acceptance Criteria (WAC) for waste disposal, particularly related to mercury-contaminated materials.
- Improving local officials' and the public's understanding of DOE's policy of integrating NEPA values into CERCLA, and associated costs/benefits
- Enhancing communication with DOE, EPA, and TDEC regarding local priorities and concerns related to Environmental Management Projects, Priorities and Budgets
- Improving understanding of Federal Facility Agreement (FFA) process and milestones
- Engaging in Environmental Management activities related to compliance with the National Historic Preservation Act and the Manhattan Project National Historical Park

**A.4. The Grantee shall disseminate accurate and information concerning present or proposed activities related to continued operations of the Oak Ridge Reservation facilities.**

During FY23 emphasis will be placed on:

- Disseminating current information about the reindustrialization program at the East Tennessee Technology Park, including the availability of property for beneficial reuse
- Continuing to improve public education through dissemination of current and information on ORRCA's website
- Continuing to enhance public education about the quality of the natural environment in Oak Ridge and host counties through a coordinated communications program
- Continuing to educate local officials and other stakeholders from other DOE sites about environmental management of ORR facilities and activities

**A.5. The Grantee shall identify local concerns and issues relevant to the environmental management of the Oak Ridge Reservation and environs and present concerns to the State of Tennessee and the Department of Energy during the selection of annual work and budget priorities.**

ORCCA will continue to engage with the State and DOE to improve understanding of local government and community concerns.

During FY23 ORCCA emphasis will be placed on:

- CERCLA's Natural Resources Damages Assessment study and mitigation for the ORR
- DOE's Strategic Plan for Mercury, including source reduction, treatment, storage and promotion of off-site disposal of mercury contaminated waste and soils
- Continued emphasis on reducing/mitigating/eliminating off-site impacts, particularly groundwater issues
- Continued emphasis on costs/benefits of on-site versus off-site disposal

APPROVED March 28, 2022

- Modernization of water and wastewater infrastructure needed to support the ongoing DOE missions on the Oak Ridge Reservation
- Participation in the ongoing reindustrialization of ETTP
- Schedule for shipments to the WIPP facility in New Mexico
- Expediting studies related to treatment and reduction of mercury
- Risk Communication, including signage and other public communications
- Environmental Management activities that will help facilitate and expedite interpretation of historic properties
- Transfer of excess/underutilized property for economic and community development

**A.6. The Grantee shall prepare special studies and reports, as needed, to educate local officials and further public information.**

During FY23 emphasis will be placed on:

- Review and support for FY24 Budget Request priorities to DOE as described in the attached TDEC letter dated March 21, 2022.
- Review and assessment of projects related to the cleanup of the Oak Ridge Reservation and related offsite activities such as restoration of groundwater and fish
- Providing a local government mechanism for input into DOE's budgetary and programmatic priorities
- Continue to provide input into how financial performance bonds are assessed on companies which store and treat DOE waste
- Legislative, Regulatory, and Administrative activities at the Federal and State levels related to the storage, transportation, and permanent disposal of nuclear waste

**Meetings of Interest:**

**Implementation of the Manhattan Project**

**National Historical Park**

Energy Communities Alliance Annual Meeting

***TBD Summer/Fall 2022***

Tentative: Los Alamos, NM

**Oak Ridge Site Specific Advisory Board Annual Meeting**

***TBD Summer 2022***

**DOE National Cleanup Workshop**

Co-sponsored by: Energy Communities Alliance

***September 21-21, 2022***

Arlington, VA

**DOE Annual Intergovernmental Meeting**

***November 2022***

Tentative: New Orleans, LA

*APPROVED March 28, 2022*

Energy Communities Alliance Annual Meeting

*TBD Spring 2023*

2023 Waste Management Symposia

*Feb 26-March 2, 2023*

Phoenix, AZ

Multi-Agency Fire Response Conference

*TBD*

Oak Ridge, TN

Safety Fest TN 2023

*TBD*

Sponsored by: Oak Ridge Business Safety Partnership

New Hope Center

**FY 2022 – 2024 Federal Facility Agreement Milestones  
Appendix E**

Site	Project/Subproject	FY 2022 Milestones		FY 2023 Milestones		FY 2024 Milestones	
ETTP	ETTP Main Plant Area Groundwater IROD <sup>1</sup>	PP	3/9/22	IROD RAWP	11/10/22 9/20/23		
	K-31/K-33 Groundwater ROD <sup>1</sup>	PP	6/15/22	ROD	5/31/23	RAR	9/30/24
	Zone 1 Groundwater Plumes ROD					RI/FS	9/30/24
	Remaining Ecology/Surface Water/Sediment Final ROD					RI/FS	9/30/24
	Zone 1 Interim ROD			RAR	1/30/23		
	Zone 1 Final Soil ROD	ROD	5/1/22			RAR	9/30/24
	Zone 2 Soil ROD (4/19/05) <sup>2</sup>						
	EU 11	PCCR	9/30/22				
	EU 16					PCCR	9/30/24
	EU 17	PCCR	9/30/22				
	EU 18	PCCR Add. (K- 1025-A-E Slabs)	9/30/22				
	EU 19			PCCR	9/30/23		
	EUs 20, 21, 22	Final PCCR	9/30/22				
	EU 25	PCCR	9/30/22				
	EU 30	PCCR Add.	9/30/22				
	EU 35			PCCR	9/30/23		
	EU 38					PCCR	9/30/24
	EU 39	RDR/RAWP Add. WP/TM	9/30/22			PCCR	9/30/24
	EU 41					PCCR	9/30/24
	EU 42			PCCR	9/30/23		
	Remaining Facilities D&D AM (9/12/03)						

**FY 2022 – 2024 Federal Facility Agreement Milestones  
Appendix E**

Site	Project/Subproject	FY 2022 Milestones		FY 2023 Milestones		FY 2024 Milestones	
ORNL	<b>Bethel Valley Interim ROD (5/2/02)</b>						
	West of 1 <sup>st</sup> Street Soils AUs	RAWP Addendum	9/20/22	WHP	5/15/23		
	Reactor Complex <sup>3</sup> Pre-Demolition	PCCR <sup>a1</sup>	11/30/21	PCCR <sup>a2</sup>	9/30/23		
	3005 D&D					PCCR	9/30/24
	3010 D&D					PCCR	9/30/24
	3026-D Facility					PCCR	9/30/24
	Isotope Facilities Demolition					RA Start	9/30/24
	EGCR Deactivation					PCCR	9/30/24
	<b>Final Bethel Valley ROD</b>						
	MV/BV Groundwater Exit Pathway	Ph.1 Well Installation Completion	9/30/22	Characterization Report	9/30/23		
Y-12	<b>MSRE ROD Salt Remediation (7/7/98)</b>	RIWP	6/30/22				
	<b>UEFPC Phase I ROD Source Control (5/2/02)</b>						
	<b>UEFPC Phase II ROD for Soils and Scrapyard (4/21/06)</b>						
	EU 5			PCCR	9/30/23		
	<b>Y-12 Buildings AM (9/29/10)</b>						
	9616-09, 9811-06, 9811-07 Demo					PCCR	3/28/24
	9404-18 Mercury Contaminated Systems	PCCR	9/30/22				
	Biology Complex (Demo)	PCCR	9/30/22				
<b>NT-8 AM</b>	EE/CA	9/30/22	AM RmAWP	2/20/23 9/30/23			

**FY 2022 – 2024 Federal Facility Agreement Milestones  
Appendix E**

Site	Project/Subproject	FY 2022 Milestones		FY 2023 Milestones		FY 2024 Milestones	
ORR General	Water Resources Restoration Program	RER	3/30/22	RER	3/30/23	RER	3/30/24
	Five-Year Review	FYR	10/15/21				
	EMWMF ROD (11/11/99)	PCCR	4/1/22	PCCR	4/1/23	PCCR	4/1/24
	EM Disposal Facility ROD			RDWP RDR/RAWP	11/8/22 3/20/23		
Other	Public Involvement Plan	PIP	5/30/22				

NOTE: Gray shaded cells reflect CERCLA decision subprojects. Green shaded cells reflect subprojects conducted by DOE non-OREM programs.

<sup>1</sup>These ROD milestones may change depending on the path forward determined by the Project Team based on their review of the well monitoring data sampled during FY 2020

<sup>2</sup>The Zone 2 Soil ROD project EU PCCR milestones will document the final PCCR submitted for each EU except in the case of EUs 20, 21, 22. The milestone PCCR submitted may actually be a PCCR Addendum in cases where a previous PCCR had been submitted prior to FY 2020 for the EU.

<sup>3</sup>Scope a1 (3009, 3010, 3010-A, 3080, 3083, 3107) and a2 (3002, 3003, 3005, 3018, 3042)



APPROVED March 28, 2022

**Work Plan for the Oak Ridge Reservation Communities Alliance (ORRCA)  
Environmental Surveillance and Oversight Agreement (ESOA)  
FY23 (July 1, 2022 thru June 30, 2023)**

**Introduction:**

In November 2018, the U.S Department of Energy (DOE), the National Nuclear Security Administration (NNSA) and the State of Tennessee (State) signed a five-year (5) agreement entitled the Oak Ridge Reservation (ORR) Environmental Surveillance Oversight Agreement (ESOA). Through a program of independent environmental surveillance oversight and monitoring, the ESOA is "designed to assure the citizens of Tennessee that DOE's activities in Oak Ridge, Tennessee, are being performed in a manner that is protective of their health, safety, and environment."

In carrying out the ESOA Agreement, "the Parties will fully cooperate and coordinate with each other, other federal and State agencies and local governments affected by this Agreement. The Parties to this Agreement shall commit to maintaining a direct and open relationship with local governments, such as engagement with the Oak Ridge Reservation Communities Alliance (ORRCA)."

For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

**Scope of Services:**

**A.2. The Grantee shall support implementation of the Environmental Surveillance Oversight Interlocal Agreement (ESOIA)**

The ESOA was approved on June 24, 2019 and will serve as the framework for the operation of ORRCA. ORRCA will conduct outreach and educational activities to the public and potentially affected local governments in to help assure the citizens of the affected local government that the U.S. Department of Energy's (DOE) activities are being performed in a manner that is protective of their health, safety, and environment. For the purposes of this work plan, the term DOE shall include the National Nuclear Security Administration (NNSA).

At the U.S. Department of Energy's (DOE) annual Intergovernmental Meeting held in November 2018, a discussion was held among ORRCA, DOE and the State of Tennessee representatives to identify priorities affecting ongoing operations at the Oak Ridge Reservation. The parties agreed that ORRCA would continue to serve as a key interface for ongoing collaboration on environmental surveillance oversight and, monitoring, reuse, and emergency planning/response issues.

The State's annual environmental monitoring reports, along with the DOE Environmental Monitoring Plan (EMP), and the Annual Site Environmental Report (ASER) will serve as guiding documents.

During FY23, emphasis will be placed on discussions regarding a subsequent five-year agreement and grant process to better align local government needs in the DOE/State program.

**A. 3. The Grantee shall promote local government involvement and public awareness in the continued operations of the Oak Ridge Reservation facilities.**

APPROVED March 28, 2022

ORCCA will continue to collaborate among the regional local governments to promote better understanding of the continued operations of the Oak Ridge Reservation facilities. Participation with DOE, EPA, and TDEC officials in meetings, such as those listed in this plan as "Upcoming Meetings of Interest," will be instrumental in educating local officials in support of the grant scope.

During FY23 emphasis will be placed on:

- Enhancing communication with DOE, EPA, and TDEC regarding local priorities and concerns related to Environmental Monitoring Priorities and Budgets
- Improving understanding of how environmental monitoring is conducted on the ORR
- Participating in Emergency Response Planning and Training related to ongoing activities at the ORR, such as training for post emergency environmental monitoring
- Continuing to enhance understanding of the relative risk associated with the ORR to improve off-site emergency planning and response
- Integrating ORR emergency response and planning into comprehensive disaster recovery plans of member jurisdictions.

**A.4. The Grantee shall disseminate accurate and information concerning present or proposed activities related to continued operations of the Oak Ridge Reservation facilities.**

During FY23 emphasis will be placed on:

- Continuing to improve public education through dissemination of current and information on ORRCA's website
- Continuing to dispel misinformation and enhance public education about the quality of the natural environment in Oak Ridge and host counties through a coordinated communications program focusing on the Oak Ridge Corridor.
- Continuing to educate local officials and other stakeholders from other DOE sites about ORR facilities and activities

**A.5. The Grantee shall identify local concerns and issues relevant to the operation of the Oak Ridge Reservation and environs and present concerns to the State of Tennessee and the Department of Energy during the selection of annual work and budget priorities.**

ORCCA will continue to engage with the State and DOE to improve understanding of local government and community concerns.

During FY23 emphasis will be placed on:

- DOE's Strategic Plan for Mercury, including source reduction and treatment, monitoring, and expediting studies related to treatment and reduction of mercury
- Continued emphasis on reducing/mitigating/eliminating off-site impacts, particularly groundwater issues
- Modernization of water and wastewater infrastructure needed to support the ongoing DOE missions on the Oak Ridge Reservation

APPROVED March 28, 2022

- Participation in site planning to promote the ongoing reindustrialization of ETPP
- Transfer of excess/underutilized property for economic and community development

**A.6. The Grantee shall prepare special studies and reports, as needed, to educate local officials and further public information.**

During FY23 emphasis will be placed on:

- Review and assessment of monitoring and surveillance programs for all applicable media (i.e., air, surface water, soil, sediments, groundwater, precipitation, food crops, fish and wildlife, and biological systems).
- Providing a local government mechanism for input into DOE's budgetary and programmatic priorities

**Meetings of Interest:**

<u>Implementation of the Manhattan Project National Historical Park</u> Energy Communities Alliance Annual Meeting	<b>TBD Summer/Fall 2022</b> Tentative: Los Alamos, NM
<u>Oak Ridge Site Specific Advisory Board Annual Meeting</u>	<b>TBD Summer 2022</b>
<u>DOE National Cleanup Workshop</u> Co-sponsored by: Energy Communities Alliance	<b>September 21-23, 2022</b> Arlington, VA
<u>DOE Annual Intergovernmental Meeting</u>	<b>November 2022</b> Tentative: New Orleans, LA
<u>Energy Communities Alliance Annual Meeting</u>	<b>TBD Spring 2023</b>
<u>2023 Waste Management Symposia</u>	<b>Feb 26-March 2, 2023</b> Phoenix, AZ
<u>Multi-Agency Fire Response Conference</u>	<b>TBD</b> Oak Ridge, TN
<u>Safety Fest TN 2023</u> Sponsored by: Oak Ridge Business Safety Partnership	<b>TBD</b> New Hope Center

**RESOLUTION**

A RESOLUTION AUTHORIZING MODIFICATION AND EXTENSION OF THE TENNESSEE OVERSIGHT INTERLOCAL AGREEMENT BETWEEN THE CITY OF OAK RIDGE AND THE FOLLOWING COUNTIES: ANDERSON, KNOX, MORGAN, AND ROANE, TO COOPERATE ON ISSUES RELATED TO THE U.S. DEPARTMENT OF ENERGY'S ENVIRONMENTAL MANAGEMENT PROGRAM AND EMERGENCY MANAGEMENT ACTIVITIES, AND TO BE RECOGNIZED AS THE OAK RIDGE RESERVATION COMMUNITIES ALLIANCE.

WHEREAS, the Tennessee Oversight Agreement was established between the State of Tennessee (State) and the U.S. Department of Energy (DOE) in May 1991 to assure the citizens of Tennessee that their health, safety, and environment are being protected by DOE; and

WHEREAS, the Tennessee Oversight Agreement includes a provision to provide a better understanding by the local governments and the public of the past and present operations at the DOE's Oak Ridge Reservation and impacts on human health and/or the environment by the Oak Ridge Reservation; and

WHEREAS, by Resolution 11-101-11, City Council adopted the Tennessee Oversight Interlocal Agreement (TOIA) for the purpose of implementing the local government provisions of the Tennessee Oversight Agreement; and

WHEREAS, the local governments participating in the TOIA are collectively recognized by DOE and the State as the Oak Ridge Reservation Communities Alliance (ORRCA); and

WHEREAS, by Resolution 4-23-2016, City Council authorized an extension of the TOIA through June 20, 2021; and

WHEREAS, a new agreement between the State and DOE, including the National Nuclear Security Administration (NNSA), entitled the Oak Ridge Reservation Environmental Surveillance Oversight Agreement (ESO Agreement), was signed in November 2018 for a term to expire on June 30, 2023. The ESO Agreement replaces the Tennessee Oversight Agreement and states that the DOE and the State commit to maintaining a direct and open relationship with local governments, such as engagement with the Oak Ridge Reservation Communities Alliance (ORRCA); and

WHEREAS, in December 2017, the DOE Oak Ridge Office of Environmental Management (OREM) and the Tennessee Department of Environment and Conservation (TDEC) executed a Memorandum of Agreement (MOA) regarding the recovery of expenses as described in the Federal Facilities Agreement (FFA) Section XXXV. The MOA specifies stakeholder and public information liaison with "the Oak Ridge Reservation Communities Alliance, hosting public information sessions, and responding to the local governments' and community's concerns, specific to FFA and Environmental Management activities"; and

WHEREAS, the State is requesting a modification to the TOIA to incorporate the new ESO Agreement; and

WHEREAS, the ORRCA members unanimously adopted modifications to the TOIA on June 24, 2019 and extended the term through June 30, 2023 to align with the ESO Agreement; and

WHEREAS, the City Manager recommends that the City support the modifications to the TOIA, including an extended term through June 30, 2023.

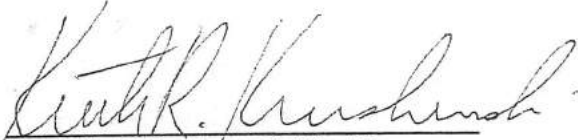
NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF OAK RIDGE, TENNESSEE:

That the recommendation of the City Manager is approved and the modified Tennessee Oversight Interlocal Agreement between the City of Oak Ridge and the Counties of Anderson, Knox, Morgan and Roane is approved.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized to execute the appropriate legal documents to accomplish the same.

This the 8<sup>th</sup> day of July 2019.

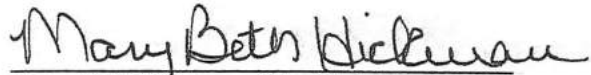
APPROVED AS TO FORM AND LEGALITY:



Kenneth R. Krushenski  
Kenneth R. Krushenski, City Attorney



Warren L. Gooch  
Warren L. Gooch, Mayor



Mary Beth Hickman  
Mary Beth Hickman, City Clerk

## TENNESSEE OVERSIGHT INTERLOCAL AGREEMENT (TOIA)

**Among the Counties of Anderson, Knox, Morgan, Roane, along with the City of Oak Ridge, to Cooperate on Issues Related to the U.S. Department of Energy's Environmental Management Program and Emergency Management Activities, and to be recognized as the Oak Ridge Reservation Communities Alliance**

**WHEREAS**, the Tennessee Oversight Agreement (TOA) was established between the State of Tennessee (State) and the U.S. Department of Energy (DOE) in May 1991 to assure the citizens of Tennessee that their health, safety and environment are being protected by DOE; and

**WHEREAS**, the Tennessee Oversight Agreement expired on November 30, 2017; and

**WHEREAS**, a new agreement between the State and DOE, including the National Nuclear Security Administration (NNSA), entitled the Oak Ridge Reservation Environmental Surveillance Oversight Agreement (ESO Agreement) was signed in November 2018 for a term to expire on June 30, 2023. The ESO Agreement states that the DOE and the State commit to maintaining a direct and open relationship with local governments, such as engagement with the Oak Ridge Reservation Communities Alliance (ORRCA); and

**WHEREAS**, the affected local governments which comprise ORRCA for the purpose of ESO Agreement implementation are the counties of Anderson, Knox, Morgan, Roane, and the City of Oak Ridge; and

**WHEREAS**, although each jurisdiction fully reserves the right to pursue its own interests, through communication, cooperation, and joint utilization of resources, the Mayors and County Executives of the affected local governments comprising ORRCA desire to meet on a regular basis regarding DOE or State activities requiring local government action or participation pursuant to the ESO Agreement and related environmental management and emergency management activities.

### **I. PURPOSE**

This **Tennessee Oversight Interlocal Agreement (TOIA)** is established among the affected local government jurisdictions for the purpose of implementing the ESO Agreement and related environmental management and emergency management activities. The affected local governments constitute the Oak Ridge Reservation Communities Alliance (ORRCA). The objective of the Tennessee Oversight Interlocal Agreement is to provide:

- A. A mechanism for ongoing review and study of DOE's current and planned environmental programs at the Oak Ridge Reservation (ORR);
- B. A forum for local governments and citizens to communicate about environmental issues and public concerns related to the ORR;
- C. A forum to enhance emergency management planning and training related to the ORR;
- D. Position statements, as needed, pertaining to policies, projects, issues and studies related to the ORR.

II. PARTIES TO THE AGREEMENT

The Parties to the Agreement shall be the local governments most directly affected by the implementation of the ESO Agreement and related environmental management and emergency management activities. These are: (1) Anderson County; (2) Knox County; (3) Morgan County; (4) Roane County; and (5) the City of Oak Ridge. Collectively, these local governments shall constitute the Oak Ridge Reservation Communities Alliance (ORRCA).

III. ORGANIZATION

A. **Board of Mayors/Executives**

Upon the execution of this agreement, a Board of Mayors/Executives is herein created (Board). This Board consist of the Mayors of each affected local government and the Roane County Executive and the Morgan County Executive.

B. **Officers**

There shall be a Chairperson and Vice-Chairperson elected from among the Board to serve one-year terms effective January 1 of each year.

IV. OPERATION

- A. The Board shall meet annually to approve a budget and work program for the coming year, and at least once per quarter thereafter, and at other times as needed. Meetings shall be open to the public.
- B. The Board shall take recommendations and establish agenda items from their respective local government jurisdictions, including Environmental Review Boards and the public.
- C. The Board shall work with the Tennessee Department of Environment and Conservation (TDEC) the Tennessee Emergency Management Agency (TEMA), DOE, member governments, and other agencies and local government jurisdictions on matters related to health, safety, the environment, and emergency management preparedness.
- D. The Board may establish subcommittees from time to time to study and report on issues.
- E. Each Board Member has an equal vote on all issues. Each Board Member shall be entitled to appoint a proxy as needed in the event of his/her absence at a meeting. Should a Board Member or proxy be unable to attend a meeting in person, an electronic vote, or other written or voice communication from the Board Member or proxy may be accepted as a valid vote of the Board Member.

V. ADMINISTRATION

The Board shall appoint a Fiscal Agent (FA), which shall be a governmental entity. The FA shall:

- A. Receive a fee for management of the grant(s) related to implementation of the TOIA, as approved by the Board;
- B. Receive, distribute, and report financial activities related to the grant(s) to the Board, State, and public;
- C. Disburse funds under the direction of an annual budget and/or approval of the expenditures by the Board;
- D. Assist in the preparation and maintenance of all minutes and records of the Board;
- E. Assist with meeting logistics and distribution of materials.

VI. DURATION OF THE AGREEMENT

This agreement shall be effective when signed by the participating jurisdictions and shall continue through June 30, 2023. The term of this agreement may be extended thereafter with the written approval of the participating jurisdictions.


VII. AMENDMENT

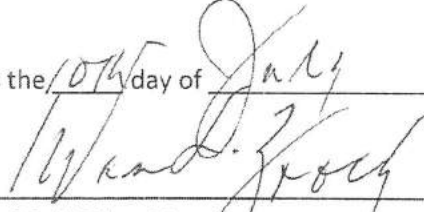
This Agreement may be amended by a majority vote of the Board.


VIII. WITHDRAWAL

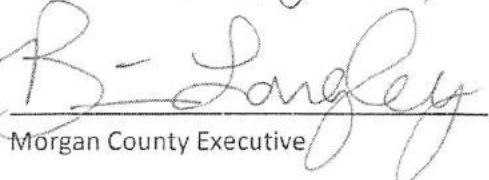
At any time a local government jurisdiction may withdraw from this agreement by providing written notification to the Board.

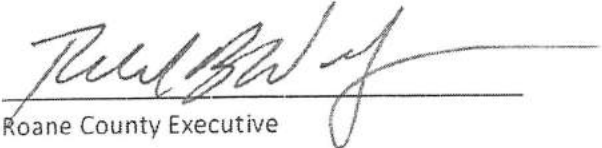
This Interlocal Agreement is signed by the Agreed Parties this the 10th day of July, 2019.

  
\_\_\_\_\_  
Anderson County Mayor

  
\_\_\_\_\_  
City of Oak Ridge Mayor

  
\_\_\_\_\_  
Knox County Mayor

  
\_\_\_\_\_  
Morgan County Executive

  
\_\_\_\_\_  
Roane County Executive



**STATE OF TENNESSEE**  
**TENNESSEE DEPARTMENT OF ENVIRONMENT CONSERVATION**  
**DIVISION OF REMEDIATION – OAK RIDGE**  
**ENVIRONMENTAL SURVEILLANCE OVERSIGHT AGREEMENT**  
**INDEPENDENT ENVIRONMENTAL OVERSIGHT PROGRAM –**  
**GENERAL FIVE YEAR WORKPLAN**  
**July 1, 2023 – June 30, 2028**

## **1.0 BACKGROUND**

The Environmental Surveillance Oversight Agreement (ESOA) is designed to assure the citizens of the State of Tennessee that the Department of Energy's (DOE) activities in Oak Ridge, Tennessee, are being performed in a manner that is protective of their health, safety, and environment. Through a program of independent environmental surveillance oversight and monitoring, the state of Tennessee (State) will advise and assess DOE's environmental surveillance program, working collaboratively with the Office of Science, National Nuclear Safety Administration (NNSA), and DOE Environmental Management. The State will suggest improvements, if needed. The Division of Remediation – Oak Ridge office (DoR-OR) of the Tennessee Department of Environment and Conservation (TDEC) will lead the State efforts in activities pertaining to this Independent Environmental Oversight Program. The State is committed to the following:

- Providing oversight of the DOE Oak Ridge Reservation (ORR) environmental surveillance program, and
- Reporting on DoR-OR oversight activities and providing review conclusions to DOE, local governments, and the public.

This document is intended to identify representative tasks that shall be addressed by the independent oversight program over the next five years, based on the state fiscal year schedule.

## **2.0 DOCUMENT REVIEW**

The State will review and provide comments on documents associated with the DOE Environmental Surveillance Program. This includes annual review and comments on DOE Annual Site Environmental Report (ASER) and DOE Environmental Monitoring Plan (EMP), making any relevant suggestions through letter response. The state may also review activities and associated documentation including, but not limited to: monitoring protocols, system designs, construction, operation and maintenance reports, sampling methodologies, sampling locations and frequency, procedures, and parameters, quality assurance and quality control plans. The State may assess data collection and implementation, chain-of-custody procedures, field documentation, and associated reporting.

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### **3.0 INDEPENDENT VERIFICATION**

DoR-OR personnel, along with other TDEC personnel (as required), will work with the DOE to evaluate the adequacy of DOE's ORR environmental surveillance program. The State will provide independent environmental oversight including independent sampling, co-sampling, or split sampling, to verify the effectiveness of the DOE's environmental monitoring program. DOE and the State, in a spirit of partnership and cooperation, are committed to assure DOE's Oak Ridge activities are performed in a manner that is protective of human health, and the environment.

The Division of Remediation (DoR-OR) oversight personnel do not enforce regulatory requirements but are required to identify potential non-compliance issues.

- The State will continue independent oversight evaluation of DOE's ORR Environmental Monitoring and Surveillance Programs, as defined in the DOE's ORR Environmental Monitoring Plan (EMP), Annual Site Environmental Report (ASER) or other correlating documentation. Evaluation may include review of the following activities or systems:
  - monitoring protocol system design
  - construction, operation, and maintenance
  - sampling methodology
  - sampling locations and frequency
  - procedures and parameters
  - quality assurance and quality control methodology
  - plans and implementation
  - data collection, verification, and management systems
  - chain-of-custody procedures and implementations, and reporting
- The State oversight of DOE's monitoring and surveillance program may include all applicable media (i.e., air, surface water, soil, sediments, groundwater, drinking water, precipitation, food crops, fish and wildlife, and biological systems).
- The State will continue to conduct an independent oversight program that will complement as well as provide verification of DOE's monitoring. This program will monitor releases including radiation at the ORR and other affected environs, as necessary, to detect and characterize off-site contamination and human exposure and

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**July 1, 2023 – June 30, 2028**

to evaluate performance of on-site control measures to prevent releases to the environment.

- The State may provide a specific oversight of DOE environmental monitoring and surveillance programs that assess areas of concern related to ORR activities including, but not limited to: chemical impacts or radiation from radionuclides released into the environment, released radionuclides deposited on soil and vegetation or in sediments, radiation-generating facilities, and the storage of radioactive materials to prevent releases to the environment and potential human health risk by exposure.
- All the above projects might include convening an independent panel to review or verify technical aspects and/or science supporting environmental findings or conclusions.

#### **4.0 DELIVERABLES**

DoR-OR will submit quarterly reports that summarize the results of the Independent Environmental Oversight Program accomplishments relative to the established objectives. DoR-OR will prepare an annual Environmental Monitoring Plan (EMP) and will provide this EMP to DOE for review. DoR-OR personnel, along with other TDEC personnel, as required, will perform environmental oversight as documented in its EMP and publish an annual summary report titled the Environmental Monitoring Report (EMR). This report will document the State's assessment of DOE surveillance programs and provide results of the State's independent monitoring activities.

#### **5.0 FEDERAL, STATE, LOCAL GOVERNMENT AND PUBLIC INTERACTION**

In implementation of ESOA, the State will cooperate and coordinate with DOE, other federal agencies, and local governments. Activities will involve coordination with DOE and the public on both a local and national level, as well as participation in organizations such as: the Association of State and Territorial Solid Waste Management Officials, the Interstate Technology and Regulatory Council, and the Environmental Council of States.

The State is committed to maintaining a direct and open relationship with local governments including the city and county governments and local government organizations such as the Oak Ridge Reservation Communities Alliance (ORCCA). The State will administer a sub-grant to the

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City of Oak Ridge to support local governments participation in ORRCA under the Tennessee Oversight Interlocal Agreement (TOIA).

ORCCA serves as a key interface for ongoing collaboration on clean up, reuse, and planning and response issues. ORRCA collaborates among regional local governments to promote a better understanding of the continued operations of the ORR facilities, including the environmental management and emergency response programs.

### **6.0 ENVIRONMENTAL RESPONSE ACTIONS**

DoR-OR personnel, along with other TDEC personnel, may, as required conduct surveys and actions in support of public health advisories on East Fork Poplar Creek and other area reservoirs/rivers. DoR-OR personnel, as required or requested, may support environmental response to accidental spills, releases, and emissions as reported by the DOE to the State and the Environmental Protection Agency (EPA). DoR-OR personnel, will participate in annual emergency preparedness training conducted in accordance with the Multi-Jurisdictional Response Plan for the DOE ORR. This will include participation in planning and training jointly with DOE, local governments and emergency response personnel for situations arising from incidents that may occur on ORR sites. The DoR-OR role will focus on the recovery phase of operations and will include training for post emergency environmental monitoring. Staff will be trained in planning environmental response operations, field monitoring, and communications.

### **7.0 TRAINING**

DoR-OR personnel will maintain the necessary programs, equipment, training, and procedures to conduct activities in a safe manner.

### **8.0 ADMINISTRATIVE PARTICIPATION**

DoR-OR personnel will provide administrative support to the TDEC related to the strategic planning and the development of annual work plans. DoR-OR personnel will be involved in providing public reports, presentations, and information; in the development of environmental policy; in the review of NEPA documentation; in the preparation of reports for legislative committees; and in the review and analysis of proposed environmental legislation involving DOE. Administrative functions will include the preparation and submittal of required reports on

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**GENERAL FIVE YEAR WORKPLAN**  
**July 1, 2023 – June 30, 2028**

financial and technical activities in accordance with established reporting requirements; as well as planning efforts to meet schedule requirements. All of these activities will require significant state involvement at both management and staff levels. Managerial activities will include the prioritization of monitoring and oversight projects, development and review of budgets, finalization of decision documents and routine administrative oversight. Staff activities will involve extensive reviews of DOE environmental monitoring documentation, preparation of reports, as well as the execution of field activities to perform independent monitoring, oversight, and assessment of DOE operations which may result in discharges to the environment to ensure compliance with the applicable Tennessee State law or relevant and appropriate requirements.

## **9.0 CONCLUSION**

Tasks defined in this scope of work are intended to provide the parameters within which the State's Independent Environmental Oversight Program is implemented. The intent of this program is to assure the citizens of the State of Tennessee that the DOE's activities in Oak Ridge, Tennessee, are performed in a manner that is protective of human health, safety, and the environment. As such, work tasks may be added or adjusted to best support those objectives depending upon definition or modification of expected work scopes in annual EMPs or in response to otherwise unidentified scenarios of concern that may arise over the course of ORR operations.