

Unapproved Draft

Oak Ridge Reservation Communities Alliance

November 30, 2015

2:00 pm

Location of meeting: Tennessee Department of Environment and Conservation
Oak Ridge Oversight Building

Members Present: **Terry Frank**, Anderson County Mayor; **Warren Gooch**, City of Oak Ridge Mayor; **Ron Woody**, Roane County Executive

Members Absent: **Tim Burchett**, Knox County Mayor; **Don Edwards**, Morgan County Mayor

Others Present: **John Owsley**, Tennessee Department of Environment and Conservation, DOE Oversight Division (TDEC); **Chris Thompson**, TDEC; **Madelynn McCormick** (Intern), TDEC; **Paige Harvey**, City of Oak Ridge; **Dallas Dyce**, City of Oak Ridge; **Nick Sisco**, (Intern) City of Oak Ridge; **Jon Hetrick**, City of Oak Ridge; **Scott Stout**, Roane County Office of Emergency Services; **Traci Cofer**, Roane County Office of Emergency Services; **Steve Oglesby**, Tennessee Emergency Management Agency; **Darryl Kerley**, ORFD; **David Martin**, RCERB; **Mary Anne Koltowich**, RCERB; **Bud Yard**, TDEC; **Jiangang Chen**, UTK; **Hannah Klein**, TDEC; **Ellen Smith**, City of Oak Ridge; **Doug Cloclasure**, Citizen of OR; **Jody Zorsch**, Morgan County EMA

(A sign-in sheet is attached and on file with the minutes.)

PURPOSE OF MEETING:

See attached agenda.

CALL TO ORDER: Chairman Woody called the meeting to order at 2:00 pm and declared a quorum.

I. WELCOME AND OPENING COMMENTS:

Chairman Woody welcomed everyone to the meeting and announced the items on the agenda.

II. APPROVAL OF MINUTES:

A **motion** made by **Mayor Frank** and a **second** was made by **Mayor Gooch** to accept the minutes.

On a voice vote the motion: **passed**

Chairman Woody stated that all future ORRCA minutes would be posted in unapproved draft onto the ORRCA website orrrcatn.com

III. DISCUSSION AND NECESSARY ACTION ITEMS

- a) Overview Work Plan & Scopes: Chairman Woody introduced an example and explained the format of the scopes of memorandum (See attached example of Scope)

- i. **Oak Ridge Quarterly Report:** The board members reviewed the FY15 Q4 and FY16 Q1 quarterly reports provided by the City of Oak Ridge.
A **motion** to accept the quarterly reports was made by **Mayor Gooch** and a **second** was made by **Mayor Frank**. On a voice vote the motion: **passed**
- b) Small Modular Reactor Update: Steve Oglesby (TEMA) gave an update about the SMR meeting; discussed the Nuclear Regulatory Commission's thoughts on the SMR report.
- c) Manhattan Project National Historical Park: The City of Oak Ridge played an integral part in the signage of agreements. The city did a great job in promoting the park. The next meeting with the National Park Service is set for February 2016.
- d) Permits: TDEC Intern, Madelynn McCormick, reported that there are still three active and current Solid Waste permits for DOE facilities with TDEC.
- e) Risk Management Identification
 - i. Erosion Control along Water Systems: A response letter from TDEC to Mr. Doug Cloclasure, a citizen of Oak Ridge concerned with erosion control along the water systems, was read indicating that his concerns had been investigated on four occasions and "there were no signs of an influx of sediment into the creek." (See attached letter)
 - ii. Well Testing on South Side of Clinch River: John Owsley, TDEC-DOE Oversight, reported that the assessment of the well-testing data will be available in January. If there is found to be a risk, then action will be taken to remedy the risks. Chairman Woody requested that there be a follow-up report given in the June/July 2016 meeting.
- f) DOE Proposed New Landfill

IV. UPDATES FROM STATE & FEDERAL AGENCIES

- a) Emergency Planning (TEMA):
 - i. Steve Oglesby reported that the DOE Emergency Management Forum held in October was very successful. It is conducted every two years with National Speakers.
 - ii. He further reported there would be a meeting held on December 1st at 10 am with the American Red Cross updating their response outlined in the MJERP. They would discuss the Reception Relocation Plan.

iii. Adopting RPP (Current agreement expires in 2016)

b) Environmental Mgmt (TDEC/EPA):

- i. John Owsley reported that the current DOE/TDEC agreement expires June 30, 2016. Additional funding for the next five years has been requested for the continuation of local government oversight group (i.e. ORRCA) activities.
- ii. The Spent Fuel proposal at UT Battelle in Virginia has not yet been approved. It is a pilot project researching possibilities of second generation spent nuclear fuel reprocessing.

V. DOE ACTIVITIES: No representative from DOE was present

- a. ETPP
- b. ORNL
- c. Y-12

VI. REPORTS

- a) Fiduciary Report and Updates from the City of Oak Ridge – Dallas Dyce gave the fiduciary report for ORRCA funds: the first page was broken down by grant allocation and the second page was allocated by the resolution statement.
A **motion** was made to accept the report by **Mayor Gooch** and a **second** was made by **Mayor Frank**. On a voice vote the motion **passed**.
- b) Oak Ridge Site Specific Advisory Board Activities – Director Scott Stout stated the board discussed DOE activities and invited ORRCA members to attend the meetings held the second Wednesday of each month.
- c) Roane County Environmental Review Board Activities – David Martin and Laura Wilkerson gave an overview of the board's recent activities. They reported that the WHIP will begin receiving materials. The meetings are held the first Thursday of every month and the board is made up of six members of the community.
- d) Environmental Quality Advisory Board- No report given
- e) November 4-5 Emergency Response Exercise- ORFD Chief Kerley thanked ORRCA for the financial support of the exercise. He reported that it was a highly successful drill that was designed to show the strengths and weaknesses of our response in the event of a disaster. He stated that in light of the exercise the ORFD is looking at additional training facilities and spaces.

f) Intern

- iii. Nick Sisco (Mapping Technician) reported that he is in the process of doing a Watershed Analysis using GIS technology. This maps the outfalls per watershed to locate where the contaminated water will end up. He is also updating the street names for 911 addressing and emergency dispatching.
- iv. Madelynn McCormick (Masters Candidate) described her idea for a “Blueway” for public recreational use (See website for details). The City of OR and Roane County will consider adding the idea to their Recreational Plans.

g) Website Update: report was given by Paige Harvey, COR (orrcatn.com)

VII. Meeting (ECA, DOE Annual Interlocal, ETC): Chairman Woody reported that he along with other ORRCA members have attended some ECA meetings such as the ECA Member Exchange on October 8, 2015. Chairman Woody also attended the signing in Washington, DC on October 11, 2015. He reported that the next ECA meeting will be in February 2017.

VIII. OTHER BUSINESS

- a) Future Agenda
- b) Date of Next Meeting was purposed for Mid-February.

ADJOURN

- The meeting concluded at 3:00 pm.

Prepared by: Traci Cofer, Roane County OES; ORRCA Secretary

Oak Ridge Reservation Communities Alliance (ORRCA)

Meeting

November 30, 2015

2:00

Tennessee Department of Environment & Conservation, DOE-Oversight Office
761 Emory Valley Road
Oak Ridge, TN

AGENDA

- | | |
|--|---------------|
| I. Welcome and Introductions | Chairman, Ron |
| Woody | |
| II. Approval of Minutes | All |
| III. Discussion and Necessary Action Items | All |
| a. Overview of Work Plan and Scopes of Work | |
| i. Oak Ridge Quarterly Report | |
| b. Small Modular Reactor Update | |
| c. Manhattan Project National Historical Park | |
| d. Permits | |
| e. Risk Management Identification | |
| i. Erosion Control along Water Systems | |
| ii. Well Testing on South Side of Clinch River | |
| f. DOE Proposed New Landfill | |
| IV. Updates from State And Federal Agencies | |
| a. Emergency Planning | TEMA |
| b. Environmental Management | TDEC & EPA |
| V. DOE Activities | |
| a. ETPP | |
| b. ORNL | |
| c. Y-12 | |

VI. Reports

- a. Fiduciary Report and updates from the City of Oak Ridge OR City Staff
- b. Oak Ridge Site Specific Advisory Board Activities RC Staff
- c. Roane County Environmental Review Board Activities RC Staff
- d. Environmental Quality Advisory Board
- e. November 4-5 Emergency Response Exercise Chief Kerley
- f. Intern
 - i. Nick Sisco, Mapping Technician
 - ii. Madelynn McCormick, Masters Candidate
- g. Website Update Paige Harvey

VII. Meetings (ECA, DOE Annual Intergovernmental, Etc.)

VIII. Other Business

- a. Future Agenda
- b. Date of Next Meeting

IX. Adjourn

Topic: ORRCA Meeting

Meeting Sign-In

NAME	EMAIL	Representing
STEVEN W. OGLESBY	soeglesby@TDEMA.org	TDEMA
Darryl Kerley	dkerley@OARR.dgetn.gov	ORFD
DAVID MARTIN	dmartin2513@Comcast.net	RCERB
Mary Anne Hollowich	kolsmithma@gmail.com	RCERB
Chris Thompson	chris.p.thompson@tn.gov	TDEC
Dallas Dyce	ddyce@oakridgetn.gov	COR
Nick Sisco	nsisco@oakridgetn.gov	COR
Jon Hetrick	jhetrick@oakridgetn.gov	COR
Charles (Bud) Yard	bud.yard@tn.gov	TDEC
Jiangang Chen	jchen38@utk.edu	UTK
Paige Hanvey	mphanvey@oakridgetn.gov	COR
Scott Stout	Scott.Stout@roanecountyttn.gov	RCDES
John Owsley	John.Owsley@tn.gov	
Madelynn McCormick	madelynn.mccormick@tn.gov	ORRCA/TDEC
Terry Frank	tfrank@andersontn.org	Anderson Co.
Ron Woodley	Ronwoodley@Roanecountytn.gov	Roan
Warren Zorsch	WZorsch@oakridgetn.gov	COR
Hannah Klein	Hannah.Klein@tn.gov	TDEC
Ellen Smith	esmith@oakridgetn.gov	COR
Rag Chafourre	DOUGLOWS@AOL.com	Citizen of OR
Bob Zorsch	emermis.mt@highland.nh	Mongon. W emit
Traci Cofe	traci.cofe@roanecountyttn.gov	RCDES

Quarterly Report for Oak Ridge Reservation Communities Alliance (ORRCA) FY16 Q1 (July through September 2015)

During this quarter, a membership meeting was held on August 31, 2015. Public notice of the meeting was provided to local news media and the meeting was open to the public.

At the August meeting, members heard reports from TEMA and TDEC representatives on several issues, including a: (1) Report by TEMA that revisions are being proposed to emergency management plans for each county designed to promote greater effectiveness and efficiency at the local level; (2) Report by TDEC that TDEC and EPA are preparing comments on DOE's revised feasibility study for the proposed Environmental Management Disposal Facility (EMDF); and (3) Report by TDEC on status of proposed Outfall 200 mercury treatment facility at Y-12. Staff reported additional progress on development of the ORRCA website, and that planning for the regional emergency response drill organized by the Oak Ridge Fire Department was underway.

Several business items were approved at the August meeting: (1) minutes from the two previous ORRCA meetings; (2) a resolution adopting the FY16 Work Plan and Budget; and (3) fiduciary report presented by City of Oak Ridge staff. The FY16 work plan and budget included funding for an intern (Madelynn McCormick) and a part-time, temporary staff member (Nick Sisco) whose work would support ORRCA-related activities.

ORRCA member jurisdictions participated in a DOE-sponsored public information session about the land transfer for the proposed airport at the East Tennessee Technology Park (ETTP) on August 19th. ORRCA member jurisdictions participated, along with DOE, TDEC, and TEMA, in training and exhibition activities at Safety Fest TN, held at Y-12's New Hope Center the week of September 15th.

Several activities related to the Manhattan Project National Historical Park (MPNHP) were undertaken this quarter. These include:

- Review and comment on the draft Memorandum of Agreement between DOE and the National Park Service (NPS) on community plans of service, as well as management of DOE assets to be included in the MPNHP;
- Meetings of the local task force to serve as the point of contact for DOE and NPS during planning and implementation of the MPNHP;
- Ongoing development of local MPNHP-related websites to educate the public on Oak Ridge-related assets and history; and
- Attendance at DOE-sponsored peer exchange meetings with NPS and other site representatives.

In addition, during this quarter, members and staff from ORRCA jurisdictions participated in several Energy Communities Alliance activities related to the ORRCA scope of work. These include:

- Participation in DOE-sponsored peer exchange meeting on environmental management contracting;
- Review of a congressionally-mandated report examining the role of risk prioritization in decisions about environmental management across the DOE complex;
- Development of a white paper on waste definitions that could potentially expedite cleanup;
- Tracking of congressional appropriations for DOE cleanup spending;
- Participation in planning meetings for DOE's annual intergovernmental conference; and
- Participation in a DOE and ECA-sponsored national workshop on cleanup issues.

Quarterly Report for Oak Ridge Reservation Communities Alliance (ORRCA) FY15 Q4 (April through June 2015)

During this quarter, ORRCA member jurisdictions participated in a DOE/TEMA quarterly planning meeting, and also participated in the agencies' Emergency Response training exercise on April 22nd. ORRCA member jurisdictions participated in a comprehensive emergency response training exercise related to ETP on June 16th.

ORRCA membership meetings were held on April 27th and May 7, 2015. Public notice of the meetings was provided to local news media and the meetings were open to the public.

At the April meeting, members heard updates from DOE, TEMA, and TDEC representatives on several issues, including: (1) potential impacts associated with delays in disposal of Transuranic Waste due to the closure of the WIPP facility in New Mexico; (2) FY16 and FY17 budgets for DOE's Environmental Management Program; and (3) groundwater monitoring issues in Roane County. No official business was conducted at the April meeting due to a lack of a quorum.

After a quorum was declared at the May 7 meeting, several business items were approved: (1) the grant report for the quarter ending March 31, 2015; (2) funding for a regional emergency response training exercise to be led by the Oak Ridge Fire Department; and (3) funding for an extension of the contract for the Community Impact Assessment of DOE's proposed Environmental Management Disposal Facility (EMDF). Members also discussed the need, and possible use of grant funds for, public education regarding the quality of the environment, including recreational opportunities, in the ORRCA member jurisdictions. Roane County and City staff provided an update on development of the ORRCA website.

On May 8th, the Oak Ridge City Council hosted a work session, which was advertised and open to ORRCA members and to the public. The purpose of the work session was to hear a briefing by the consultant on the draft Community Impact Assessment. Representatives from DOE, TDEC, and ORRCA member jurisdictions attended the briefing, as did community residents and other members of the public.

At the June 8th meeting of the Oak Ridge City Council, several citizens expressed concern regarding the proposed EMDF, and a copy of a petition to DOE was presented. A copy of the petition was provided to ORRCA members, as well as representatives from the Oak Ridge Federal Facilities Agreement agencies DOE, TDEC, and EPA.

In addition, during this quarter, members and staff from ORRCA jurisdictions participated in several Energy Communities Alliance activities related to the ORRCA scope of work. These include:

- Assessment and report of community issues related to environmental management contracting;
- Tracking of congressional appropriations for DOE cleanup spending;
- Attendance at peer exchange meeting regarding nuclear waste management; and
- Planning for peer exchange meeting on environmental issues related to the Manhattan Project National Historical Park (MPNHP).

Finally, ORRCA members participated in several meetings with National Park Service and DOE representatives with respect to planning for the Oak Ridge site of the MPNHP. Comments were

provided by member jurisdictions to DOE on the K-25 Virtual museum. DOE provided updates on technetium collections in the City's west end wastewater system related to ETP demolition activities.

CITY OF
OAK RIDGE



Finance Department

POST OFFICE BOX 1 • OAK RIDGE, TENNESSEE 37831-0001

Tennessee Oversight Inter-Local Agreement Grant
Summary of Grant Funds Available for Fiscal 2016

	<u>FY16 Funds Available</u>	<u>FY16 Actual</u>	<u>FY16 Remaining</u>
Professional Fees	\$ 122,911.00	\$ 11,367.37	\$ 111,543.63
Supplies	\$ 5,000.00	-	5,000.00
Travel	\$ 10,000.00	644.71	9,355.29
Other Non-Personnel	\$ 30,000.00	2,500.00	27,500.00
Total	<u>\$ 167,911.00</u>	<u>\$ 14,512.08</u>	<u>\$ 153,398.92</u>



**Tennessee Oversight Inter-Local Agreement Grant
As Allocated by Resolution for Budget FY16**

	Budget FY16	STD	Remaining
Emergency Preparedness			
Anderson County	\$ 15,000.00	\$ -	\$ 15,000.00
Roane County	15,000.00	3,750.00	11,250.00
City of Oak Ridge	15,000.00	5,225.00	9,775.00
Knox	5,000.00	-	5,000.00
Morgan	5,000.00	-	5,000.00
	<u>\$ 55,000.00</u>	<u>\$ 8,975.00</u>	<u>\$ 46,025.00</u>
TDEC Intern			
1st Semester	\$ 4,000.00	\$ 2,150.00	\$ 1,850.00
2nd Semester	4,000.00	-	4,000.00
	<u>\$ 8,000.00</u>	<u>\$ 2,150.00</u>	<u>\$ 5,850.00</u>
Manhattan Project National Park Promotion			
Anderson County	\$ 5,000.00	\$ -	\$ 5,000.00
Roane County	5,000.00	-	5,000.00
City of Oak Ridge	5,000.00	-	5,000.00
	<u>\$ 15,000.00</u>	<u>\$ -</u>	<u>\$ 15,000.00</u>
ORRCA Website			
Website Design & Maintenance	\$ 5,000.00	\$ 242.37	\$ 4,757.63
	<u>\$ 5,000.00</u>	<u>\$ 242.37</u>	<u>\$ 4,757.63</u>
DOE Environmental Plan			
Intern	\$ 15,000.00	\$ -	\$ 15,000.00
	<u>\$ 15,000.00</u>	<u>\$ -</u>	<u>\$ 15,000.00</u>
Energy Community Alliance Expenditures	\$ 14,169.00	\$ -	\$ 11,024.29
Anderson County		370.71	
Roane County		2,774.00	
City of Oak Ridge		-	
	<u>\$ 14,169.00</u>	<u>\$ 3,144.71</u>	<u>\$ 11,024.29</u>
City of Oak Ridge Administration	<u>\$ 15,000.00</u>	<u>\$ -</u>	<u>\$ 15,000.00</u>
Unprogrammed	<u>\$ 40,742.00</u>	<u>\$ -</u>	<u>\$ 40,742.00</u>
	<u><u>\$ 167,911.00</u></u>	<u><u>\$ 14,512.08</u></u>	<u><u>\$ 153,398.92</u></u>

Work Plan Objectives:
Emergency preparedness/response
Community education
Oversite on studies and mitigation activities
Issue: Salary Supplement



Scope Memorandum of Agreement

We purpose to support the Oak Ridge Reservation Communities Alliance in the following activities:

- ✦ Attendance of quarterly ORRCA meetings
- ✦ Participation in Department of Energy (DOE) training/seminars/forums
- ✦ Submission of related articles of information to the ORRCA website administrator
- ✦ Submission of a statement of work detailing the use of ORRCA funds

Municipality/Entity/Agency Roane County Office of Emergency Services

Project Salary Supplement

Project Contact Scott Stout

Contact Phone 865-717-4440

Contract Date November 30, 2015

Amount of Funds Issued \$10,000

Summary of fund usage: _____

Signature of Contact B. Scott Stout Date: 11/30/15



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF REMEDIATION - DOE OVERSIGHT OFFICE
761 EMORY VALLEY ROAD
OAK RIDGE, TN 37830

November 18, 2015

Doug Colclasure
103 Monticello Road
Oak Ridge, TN 37830

Dear Mr. Colclasure,

The Tennessee Department of Environment and Conservation (TDEC), Division of Remediation, Oak Ridge office wishes to thank you for your email correspondence to Mr. John Owsley on August 20, 2015, expressing your continued concern about periodic sedimentation in Bear Creek from DOE operations. The purpose of this letter is to share with you results of our most recent field investigations that were conducted on four occasions to assess stream conditions and to identify possible sources of sedimentation. An assessment was conducted on August 24, 2015 at three locations in Bear Creek along Bear Creek Rd. downstream of the Y-12 Complex security portal. The stream was observed to be at normal flow and water conditions were clear with no turbidity. TDEC personnel were unable to locate possible sources of sedimentation.

On September 3, 2015 TDEC personnel conducted a second investigation to determine if construction activities associated with the Y-12 Uranium Processing Facility were sources of sedimentation into Bear Creek. The Wet Soil Area off Bear Creek Rd. and the soils laydown area at the end of Reeves Rd. were visited. Silt fencing was in place and appeared adequate at both locations. Settling basins, rip-rap culverts, and heavy vegetation were in place at the Reeves Rd. location and appeared to be effective at controlling runoff.

In an effort to identify possible sources of sedimentation after a rain event, TDEC personnel conducted a third site visit on October 1, 2015. This visit consisted of a tour of the Haul Rd. and an assessment of conditions in Bear Creek. Four sites in Bear Creek were selected and visual observations were made. Two sites along the Haul Rd. (Haul Rd./Bear Creek Rd. bridge crossing near Haul Rd. mile marker 4.5 and the Reeves Rd. crossing) and two sites along Bear Creek Rd. (Gate 10 for the EMWMF and Gate 11-A at Gum Hollow Branch) were visited. Elevated water levels in Bear Creek were observed at all locations without noticeable turbidity. There were no signs of an influx of sediment or silt into the creek at any of the four sites.

Mr. Colclasure
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November 18, 2015

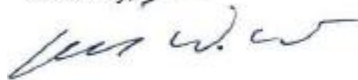
A fourth investigation was conducted on October 2, 2015 as a follow-up from the tour and assessment that were made the previous day. Rain continued overnight and during the field trip on October 2nd. Stream conditions at the same four locations in Bear Creek were visited. Water levels at all locations were elevated slightly higher than the day before. There were no signs of an influx of sediment or silt into the creek at any of the four sites.

Results of the four field investigations suggest that construction activities associated with the Y-12 Uranium Processing Facility have not been contributing to sedimentation in Bear Creek. At the time of the investigations, silt fencing and other erosion control measures appeared adequate. No other possible sources of sedimentation were identified during the recent investigations.

Our staff visits the site on a regular basis performing various monitoring activities, walk downs, audits and investigations. In the recent past our staff has identified two areas of concern regarding sedimentation of Bear Creek. In both cases DOE and its contractors took prompt action to correct the identified causes.

If you have any questions regarding the contents of this letter or wish to discuss the matter with staff, please contact David Foster at (865) 220-6566 or Kristof Czartoryski at (865) 220-6580. Thank you again for your assistance in helping to protect our water resources.

Sincerely,



David Foster
Environmental Manager II
Environmental Restoration Program
TDEC-DoR/DOE Oversight Office