

**Roane County Environmental Review Board (RCERB)  
August 4, 2011 Meeting Minutes (Final Approved September 1, 2011)**

**Members Present:**

Hailey Caldwell, Student  
Bruce Kimmel, Chairman  
Mary Anne Koltowich, Recorder  
Frank Kornegay  
Brian Niekerk  
Gail Okulczyk  
Dave Reichle, Vice Chairman

**Members Absent:**

Riley Collins, Student

**Guests:** None

**Agenda: Approved (see attached)**

**Public Comments:** None

**Proceedings:**

The August 4, 2011 meeting of the RCERB was called to order at 6:00 pm by Chairman Bruce Kimmel.

1) Approval of July 7, 2011 RCERB Meeting Minutes: A motion was made and seconded to approve the July 7, 2011 RCERB meeting minutes as presented during the meeting. The minutes had previously been reviewed via e-mail and comments were incorporated. A vote was taken, and the motion was approved.

2) Roundtable Discussions (No planned program in order for the RCERB to plan future activities):

A. Recycling in the Schools – Gail Okulczyk

Riley Collins and Gail Okulczyk met with Ralph Steward, Roane County Waste Management Coordinator, about recycling at the Roane County High School (RCHS). He presented some figures about Rockwood Middle School, which collected 6.33 tons of recyclables in six months. Efforts are coordinated primarily by the Science Club, which is led by teacher Mr. Emsminger. Riley and Gail plan on going forward with a Powerpoint presentation for RCHS. RCHS currently has 24 trips/month of trash going to the landfill now.

Action from discussion: Work with Ron Woody for recycling at the school football fields and at the new TVA parks/facilities at Berkshire slough.

B. Strategic Planning Session – Bruce Kimmel

Chairman Bruce Kimmel led a discussion regarding activities for the RCERB in the future. The results were grouped into focus areas and are shown in Attachment A.

C. DOE ORR Offsite Monitoring Wells Draft Resolution – Mary Anne Koltowich

Ms. Koltowich drafted a proposed resolution regarding the DOE ORR Offsite Monitoring Wells program as a result of the July 7, 2011 meeting. A redrafted proposed resolution is included in Attachment B. It was decided to table action until obtaining further information from R. H. Kettelle.

D. TVA Public Meeting Swan Pond Reclamation – David Reichle

TVA held an Open House on August 2, 2011 from 5-7 pm at the Kingston Baptist Church Family Life Center. Introductions of the TVA, government representatives, city/county officials, and committees were made (RCERB not introduced). TVA announced the issue of the draft environmental assessment (EA) and its proposal to develop public recreation areas near the Kingston Fossil Plant. Comments are due September 16, 2011. TVA proceeded with its presentation of its Kingston Reclamation Plan, which consists of the following key elements:

- Lakeshore Drive – TVA-managed Recreation Area, not be subcontracted
- Berkshire Slough – dredged and reclaimed
- Berkshire Wetlands – expanded are on the TVA-purchased Gupton property after clay removed for ash disposal area cap (wetland credits)
- Athletic Fields – 3 soccer and 3 football fields beside Berkshire Slough co-managed with Roane County. Fencing and other items will be at Roane County's cost.
- Presentation can be found at:  
[http://www.tva.gov/kingston/public\\_meetings/presentations/Kingston\\_Restoration\\_Concepts\\_final%208-2-11.pdf](http://www.tva.gov/kingston/public_meetings/presentations/Kingston_Restoration_Concepts_final%208-2-11.pdf)

E. ORR LOC July 27, 2011 Meeting – Mary Anne Koltowich

The meeting was held from 3-5 pm at the Roane Alliance building in Kingston. There were discussions on the following items:

- Status of the 5-Year LOC Grant – agreement has been approved TDEC; however, not yet signed/approved by DOE; ORR LOC has only enough money to pay current bills with no money left to support salaries at this time.
- Letter to DOE EM in Washington stating ORR LOC's concerns with the level of budgets for environmental management for the DOE ORR (too low) – minor corrections, then being sent.
- Reviewed proposed changes to the ORR LOC By-Laws to allow use of electronic means to conduct business (e.g., e-mail, website) – more review needed to see if other sections of the by-laws also need revision.
- Performance review of ORR LOC staff – deferred until resolution of TDEC/DOE 5-Year grant agreement.
- Reviewed draft Position Statement on DOE proposed Second CERCLA Waste Disposal Facility (Bear Creek area).
- DOE Reorganization – Oak Ridge Office and Overall Agency
- Historic Preservation of K-25 – DOE status of 2010 "Bridge" MOA for Site Interpretation of the ETTP (formerly K-25) – next consultation meeting scheduled for September 2011; DOE to provide a copy of the preferred mitigation plan and proposed MOA to consulting and interested parties two weeks prior to the meeting.
- Reviewed TDEC's new updated Watts Bar Reservoir Fish Advisory Brochure – new updates well-received.

F. New Business – None at this time

3) Upcoming Programs:

**September 2011** – It is planned to ask R. H. (Dick) Kettelle from ORNL, an expert on the local geology and groundwater (hydrogeology), to come speak to the RCERB and gain further information regarding the DOE ORR offsite groundwater monitoring program.

7:30 pm - Adjourn

Respectfully Submitted,  
Mary Anne Koltowich  
2011-2012 Roane County ERB Recorder

Attachments:

- Attachment A – 2011-2012 RCERB Strategic Focus Areas and Activities
- Attachment B – RCERB draft Resolution of DOE ORR offsite monitoring wells
- Attachment C – August 4, 2011 Agenda

Attachment A –  
2011-2012 RCERB Strategic Focus Areas and Activities

**TDEC Oversight:**

1. Melton Valley/Jones Island area residential and monitoring wells [potentially support need for deeper monitoring wells for detection of potential off-site migration of contaminants from on-site ORNL waste disposal activities (hydrofrac, others)]
2. DOE EM ORR Cleanup progress
3. NRDA considerations/decisions [“What would Roane Co. like to see regarding long-term compensatory measures for damages to its natural resources (surface water, groundwater, biota)?”]

**DOE:**

1. DOE EM ORR Cleanup progress
2. NRDA considerations/decisions
3. Modular nuclear reactor units to be installed at Clinch River Breeder Reactor site

Action Item: Mary Anne Koltowich to contact the ORR LOC about the NRDA process and how early can the RCERB obtain information and provide input.

**TVA:**

1. Continue tracking Kingston ash spill recovery efforts
2. Provide advice to the Roane County Commissions as to TVA decisions
3. Track human health & ecological sampling/monitoring efforts and considerations/decisions re potential remedial/compensatory actions.
4. Monitor status of local TVA campgrounds; keeping them open, clean, and safe (no long-term residents or inappropriate dumping of waste)

**Roane Co.:**

1. Support “District Attorney - forced cleanup” of unkempt/abandoned properties, dump sites, etc.
2. Push zoning commission on a noise ordinance
3. Ask Ralph Stewart how the RCERB can help
4. Educate RC Commissioners as to RCERB activities/develop and deliver presentation
5. Review proposals for marina expansions/new marinas for “Clean Marina Initiative” participation (Caney Creek and Blue Springs participate)
6. Recycling in the schools/recycling in general
7. Support Hazardous Waste Day/monitor hazardous materials issues
8. Monitor air monitoring/air attainment information for impact on Roane County

**Roane County Environmental Review Board (ERB)  
Resolution**

**USDOE Offsite Monitoring Well Program for the Oak Ridge Reservation – Groundwater Sampling  
Results in the Jones Island Area of Roane County**

The Roane County ERB recommends that Roane County request the United States Department of Energy (USDOE) Oak Ridge Operations (ORR) to expand its groundwater well monitoring program for the Bethel and Melton Valleys. Recent sampling results obtained through the Tennessee Department of Environment and Conservation (TDEC), Department of ORR Oversight, exhibit indications of constituent concerns on private lands across the Clinch River, possibly from migrating contamination from the ORR and moving under the Clinch River. Some wells are exhibiting high pH, sodium (Na), and Selenium (Se) values exceeding primary/secondary drinking water regulations or caustic enough to be classified as hazardous waste. These results are typically seen in the deepest wells of around 600 feet. Significant levels of volatile organics are also being exhibited in some of the USDOE offsite monitoring wells. It is known that USDOE/contractors used hydrofracture injection to dispose of liquid/sludge waste in cement at depths of 800-1100 feet in Pumpkin Valley Shale. There is an additional residential well of particular concern, namely Hound Dog #2 (not in use), which exhibits multiple contaminants of concern, including numerous volatile organics, particularly acetone. Due to evidence of constituent concerns from groundwater sampling results and the knowledge of hydrofracture injection and other past ORR disposal practices, the RCERB believes the USDOE offsite groundwater monitoring wells to be inadequate in detecting contaminant migrations from USDOE ORR operations. It is recommended for the USDOE to:

- 1) Install additional groundwater monitoring wells to depths appropriate to detect possible contaminant migration from past ORR disposal practices in representative locations.
- 2) Either properly develop/control/lock residential well Hound Dog #2 and monitor with sampling or permanently seal and cap the well. This would prevent the possible introduction of contaminants from non-USDOE sources and subsequent additional contaminant migration.

Attachment C – Meeting Agenda August 4, 2011; 6:00 P.M.  
Roane County Environmental Review Board

- 6:00 Call to Order
- 6:01 Approval of Agenda
- 6:05 Approval of July 7, 2011 RCERB Meeting Minutes
- 6:10 Public comment time
- 6:15 Roundtable Discussions
- A) Ideas and actions to help encourage high school students, in particular, and younger grades also to recycle in the schools – Riley Collins, Hailey Caldwell, Gail Okulczyk
  - B) Strategic Planning Session for upcoming RCERB activities and programs – Bruce Kimmel
  - C) Draft Resolution-DOE ORR Offsite Monitoring Wells – Mary Anne Koltowich
  - D) TVA Public Meeting/Swan Pond Reclamation August 2, 2011 – Dave Reichle
  - E) ORR LOC July 27, 2011 meeting update – Mary Anne Koltowich
  - F) New Business
- 6:30 **Program** – None for this meeting

Upcoming Events: None at this time

7:30 adjourn