

**MEETING SUMMARY, FORMER NANSEMOND ORDNANCE DEPOT (FNOD)
RESTORATION ADVISORY BOARD (RAB)**

To: RAB Members, Interested Parties
 From: Adriane James, U.S. Army Corps Government Co-Chair
 Sandra Chaloux, CEC, Inc., RAB Facilitator
 Re: October 7, 2004 RAB Meeting Summary

<p>RAB Members Present: Tim Fink Adriane James Bruce Johnson Kevin Mattonen Marian "Bea" Rogers David Saunders Carl Serrette Rob Thomson Ed Wallingford Cherie Walton David Wigle</p> <p>RAB Facilitator Present: Sandra Chaloux</p> <p>RAB Members Absent: Don McDaniel Debbie Miller Tom O'Grady</p>	<p>Affiliation: TCC USACE, Gov't. Co-Chair Respass Beach Cedar Crest Hall Community Co-Chair Bennett's Creek Burbage Grant EPA VDOT Reactives Management Corporation USACE FNOD Project Manager</p> <p>CEC, Inc.</p> <p>GE VDEQ City of Suffolk</p>
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6:35 p.m. **Introduction and Welcome/Call to Order**

(Sandra Chaloux – CEC, Inc.)

The meeting was called to order. RAB members and guests then introduced themselves. No corrections were noted for the August 2004 RAB meeting summary.

6:40 p.m. **Army Corps Update** *(David Wigle & Cheryl Fromme-USACE)*

David Wigle provided a handout of his PowerPoint presentation. He said that the Corps would also send out a copy of Cape Environmental's presentation along with the draft 2005 Site Management Plan for the RAB members to review after the meeting.

Land Use Control Implementation Plan

The Corps still does not have a signed Memorandum of Agreement from the City of Suffolk or TCC. David said that the Corps contacted the City on 16 September. None the less, David said the Corps is implementing the Land Use Control Implementation Plan. Tim Fink said that the MOA is being reviewed by the VCCS (TCC) in Richmond. Bruce asked what was happening with the City. Rick said that the MOA had made it through the City's staff review and just has not been reviewed by City Council yet. Rick said that he suspected that it isn't very high on the City's priority list. Rick said that probably what the Corps needs to do is to get a letter from the Colonel to the City Manager about it. Bea said this has been going on since she got off the City Council in 2000.

Munitions Response Update

GE property along Welner Road - Zapata Engineering has completed their munitions investigation work on GE property along Welner Drive and is now working on several

investigation grids to the north of Welner Drive on TCC property. David showed a map of the site and the munitions investigation grids. Zapata did find Discarded Military Munitions (DMM) items in the J Row including 20 mm, 40 mm, 81 mm mortar, 3-inch HE projectile. The field team expanded their search 100 feet from the findings and did not find anything in the K Row. David said that he believed that the munitions items recovered along Welner Road were the result of fill dirt that was used that contained the items from another part of the former depot site. Zapata does need a Right of Entry from Continental Bridgeway.

Mechanical Sifter

The mechanical sifter arrived on site on August 9. It is currently being modified with steel plates to protect the field personnel. Zapata is waiting on the steel plates to come from the vendor. David said that Zapata anticipated getting the mechanical sifter operational by October 25. Because the mechanical sifter requires a 1,700-foot safety perimeter, the Corps met with Branch Lawson of East West Partners to discuss his company's construction plans for the former Dominion Lands parcel. The East West Partners' parcel is within the 1,700 foot of the GE Main Burning Ground where the sifter will be operating. David reported that construction was not scheduled to begin on the East West Partners' site until late Spring 2005. That will give the Corps about 9 months to work with the mechanical sifter at the Main Burning Ground before having to be concerned with interfering with the construction efforts of East West Partners.

Main Burning Ground

David showed the munitions investigation grid for the GE Main Burning Ground. He said that when the Corps reviewed the data in the Geographic Information System, the Corps had discovered a 20 foot by 100 foot parcel on the top row of the Main Burning Ground that had not been investigated before. Zapata Engineering will go back to survey that area to fill in the data gap. Rick pointed out that the few remaining grids in the middle of the site map will take the longest to complete because these grids contain loads of scrap metal that need to be sifted through. Bea asked how close the northern investigation area is to the building. David said about 300 feet. He said that the field crew has to work on the weekends so they do not impact Bridgeway Technologies' employees.

Munitions Removal Findings

David reported that the Corps has recovered 105 DMM items over the past two months. Fifty-five of the items were boosters found at the Nansemond River Beachfront and the other 50 items (one 3-inch Naval projectile, 18 grenade fuzes, thirty 20mm projectiles, and one 40mm projectile) were found along Welner Road on GE property. A total of 217 DMM items have been recovered sitewide this year. Bea asked what type of non-munitions scrap was out there. Cliff said the scrap is construction debris, pipes, nails, locks, cans, and general waste. Bea asked if any of it was related to a business. Cliff said no. The only scrap that they found on site that related to GE was some conduits that GE had laid for electrical wires for lighting near the entrance. These wires/conduit are no longer used by GE. Cliff said that his field crew had dug up most of the conduit.

Track K Dump –Tire Pile Area

The Corps has awarded a contract to complete the Remedial Investigation report for both the Track K and Pesticide drum area. Cheryl said that the Corps should be able to report the preliminary findings of the Track K Remedial Investigation at the next RAB meeting.

Horseshoe Pond Anomalies

The Corps completed water sampling at the pond in July 2004. These samples exceed some water quality standards for heavy metals (iron, lead, and manganese). David said that he does not believe that the levels exceed acceptable discharge levels but that Debbie Miller from VDEQ is going to check on it. The Corps needs to drain the pond in order to investigate the

anomalies. David said that the Corps is working with VDEQ to determine where to drain the water from the pond. The project team is considering discharging the water into the Nansemond River and is waiting on concurrence from VDEQ to do so. David said that Zapata anticipates investigating the 2 anomalies in November.

Nansemond River Beachfront (NRB)

The Corps completed the field work at the NRB on September 27, 2004. This included a geophysical investigation of the bluff area and the beachfront; soil and groundwater sampling on the beach for explosives, metals, Semi-Volatile Organic Compounds (SVOCs), and Volatile Organic Compounds (VOCs); and sampling of the former Wastewater Treatment Plant clarifier beds and outfall. Cheryl told the RAB that they found a black hose that was running and had probably been running for at least 20 years. Tim said that TCC was able to cut it off and cap it.

North Athletic Field

During the initial munitions investigation at the North Athletic field, the first OE field crew noted possible burn layers and a fibrous tank in their dig sheets. The Corps went back to dug up all 80 to 90 munitions investigation spots to search for the suspected burn layers and fibrous tank. The Corps also had EPA's contractor Harry Wheeler present during the investigation. Zapata dug down to 15 feet at each location and could not find burn layers or the suspected fibrous tank. What they did see was layers of decaying organic material which they believe the prior munitions field crew may have confused for burn material. Rick said that he feels that the Corps has been very thorough in its investigation of munitions and possible munitions constituents in this area.

Fiscal Year 2004 Accomplishments

The following is a summary of the project accomplishments to date this year:

- The signed no-further action Record of Decision for the offshore area.
- Finalized the background study
- Main Burning Ground – removed 133 DMM items, 772 pounds of munitions debris, and 140,000 lbs of scrap metal.
- Completed the time-critical removal action portion of the project required by EPA to address munitions concerns including the North Athletic Field and the Renovation Plant.
- Awarded contracts to begin investigations for Track G, H, & I; Marine Corps Power Generator building; JRB Remedial Investigation; and NRB and WWTP Site Investigations
- Continued with investigations of the Pesticide Drum Area, the Tire Pile Area, TCC Lake, the near shore area, and the Horseshoe Pond
- Installed staff gauges and survey monuments for the sitewide groundwater model.

Budget – As of September 30, 2004, the Corps had contracted \$4,275,910 of its \$4,629,500 budget for the FNOD project for this fiscal year. Recent contracts awarded by the Corps were for the following efforts:

- Horseshoe Pond Baseline Ecological Risk Assessment Report
- Tracks K/Pesticide Drum Area Remedial Investigation Report
- Pesticide Drum Area Engineering Evaluation and Costs Analysis (EE/CA)
- Data validation at JRB

2005 Projects - David said that the Corps will continue with the following investigations:

- Nearshore Area Site Investigation (SI)
- NRB SI
- Track K/Tire Pile and Paint Can Area RI

- Pesticide Drum Area EE/CA
- HSP RI
- JRB RI
- TCC Lake RI
- Track G, H, I, and Marine Corps Power Generation Station SI

David also reported that the Army Corps headquarters has reduced funding for military munitions response projects nationwide to allow more funding for environmental studies. This should have a minimal impact on the FNOD project in the near term. Currently funding levels are sufficient for Zapata Engineering to continue at the same operational level on site until September 2005.

RAB Input for Fiscal Year 2005

David asked for the RAB's input on the project priorities for 2005. He said the Corps was anticipating the following priorities:

- Finish the Track K Tire Pile and Paint Can risk assessment
- Finish the Pesticide drum area Engineering Evaluation/Cost Analysis (EE/CA)
- Start removal action at Pesticide drum area
- New starts for FY 2005: Track J Explosive Magazine track, Track K Explosive Magazine Line

David went on to say that the Corps will strive for cleanup standards for unrestricted use where feasible. David asked Sandra to forward copies of the draft Site Management Plan (SMP) following the meeting out to the RAB for review. He requested comments on the SMP by October 31, 2004. Adriane suggested that the RAB members review the SMP and come to the next meeting prepared to provide input on the Corps' priorities for 2005.

Human Health Risk Assessment in TNT Area (Scott Harris -Cape Environmental)

Scott explained to the RAB that his company prepared a work plan for the Human Health Risk Assessment (HHRA) at the TNT area and the soccer fields in July 2004. It has been reviewed and approved by the regulators. He said that Cape is currently gathering and evaluating the existing data to determine exposure –who is exposed, how are they exposed, how much are they exposed, what are they exposed to, how does the exposure (if any) affect people, how much risk is there, and where? Cape Environmental will submit a report that will be used to make site cleanup decisions.

Scott explained the risk assessment process. It involves the following steps:

- Data Collection and Evaluation
- Exposure Assessment
- Toxicity Assessment
- Risk Characterization
- Uncertainty Analysis

The Human Health Risk Assessment with answer the following:

- Are there chemicals out there that will harm us?
 - If so, what chemicals are they?
 - What are the health risks of the chemicals at this site?
 - Is it possible that they will cause cancer?
 - Is there a possibility they will cause non-cancer related problems?
- Will these exposures harm children and/or adults?
- Are only full-time residents at risk or are visitors/workers also at risk?
- How sure are we about the results?
- What areas, if any, will need to be cleaned up?

- Does access or land use of the site need to be limited?

Scott explained the terms used in HHRAs. He said that Cape will be evaluating the following types of contaminants: explosives, metals, and burn by-products. The potentially exposed populations being evaluated at the TNT Source Area include:

- Future Residents (air, soil, tap water)
- Future people out playing (air, soil, tap water)
- Current & Future groundskeepers (air and soil)
- Current and Future construction workers (air and soil)

The potentially exposed populations being evaluated in the soccer fields include:

- Future Residents (air, surface soil, combined soil, tap water)
- Current & Future people playing on soccer fields (air and surface soil)
- Current & Future groundskeepers (air, surface soil, and tap water)
- Current & Future Construction Workers (air, surface soil, and combined soil).

Scott said that the community can get involved by attending meetings like the RAB meetings; providing input on the site history, site areas frequented by people (receptors) and their activities while on site, and on any chemical or health concerns related to the site, etc.; and to ask questions.

Bruce asked if Cape will consider exposure from domestic animals that residents are in contact with. Scott said they will indirectly. Kevin asked if Cape will be conducting more sampling or using the existing data. Scott said that Cape is using existing data. Kevin also asked if they will consider exposure to residents who fish nearby. Scott said “yes”. Cheryl told the RAB that the Corps is also doing a baseline ecological risk assessment. Both of these studies will form the basis of a Remedial Investigation report.

7:45 p.m.

RAB Business

Landowner Updates

TCC – Tim said that the Memorandum of Agreement for Land Use Controls is currently being reviewed by the Virginia Community College System in Richmond. Tim also informed Zapata that the Navy will have approximately 3,800 sailors at the TCC Portsmouth Campus for training on October 18.

Issues and Concerns to be addressed by the Corps

Bea asked about the construction schedule for East West Partners. David said construction is not expected to begin there until late spring. Bea asked Sandra if she had heard from Branch Lawson about participation on the RAB. Sandra told the board that she spoke to Branch and extended an invitation for East West Partners to participate on the board.

RAB Business

Sandra asked the RAB members what they wanted to do about the meeting schedule. Rob would have difficulty attending meetings on the odd months. The RAB decided to stay with the current schedule and the 6:30 p.m. meeting time. The next RAB community co-chair elections will be held in December 2005 (every two years).

8:00 p.m.

Public Comment Period / Q&A

none

Establish Action Items/Set Agenda and Date for Next RAB Meeting

The next RAB meeting was set for December 2, 2004. The RAB meeting will be held at the Bon Secours Health Center at Harbour View at **6:30 p.m.** The meeting room is on the second floor.

Agenda items for the next RAB meeting:

- NRB Results
- WWTP Results
- Arsenic finding in Groundwater –behind GE plant
- Marine Corps Power Generation Investigation
- EE/CA
- Track K Risk Investigation
- Site Management Plan

8:30 p.m.

Meeting Adjourned

Others Present: Bill Hudson Rick Aiken Harry Wheeler, Jr. Pat Genzler Cliff Walden Cheryl Fromme Jerry Rogers Scott Harris	Affiliation: Community Involvement Coordinator, EPA J.M. Waller & Associates Tech Law, Inc. Virginia Community College System Zapata Engineering USACE, Norfolk District USACE, Norfolk District Public Affairs Cape Environmental
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