

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

To: RAB Members, Interested Parties  
 From: Sandra Chaloux, CEC, Inc., RAB Facilitator  
 Ken Hafner, U.S. Army Corps Project Manager and RAB Co-Chair  
 Re: December 5, 2002 RAB Meeting Summary

<p><b>RAB Members Present:</b>          Jim Bennett          Fred Copeland          Tim Fink          Ken Hafner          Bruce Johnson          Thomas O’Grady          Marian “Bea” Rogers          David Saunders          Rob Thomson          Cherie Walton</p> <p><b>RAB Facilitator Present:</b>          Sandra Chaloux</p> <p><b>RAB Members Absent:</b>          Russ Dudley          Eric Salopek</p>	<p><b>Affiliation:</b>          Dominion Lands          GE          TCC          USACE, Project Manager, Gov’t. Co-Chair          Respass Beach          City of Suffolk          Community Co-Chair          Bennett’s Creek          EPA          Reactives Management Corporation</p> <p>CEC, Inc.</p> <p>VDOT          VDEQ</p>
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7:05 p.m.      **Introduction and Welcome/Call to Order**  
*(Sandra Chaloux – CEC, Inc.)*  
 The meeting was called to order. RAB members and guests introduced themselves. Sandra reviewed the meeting agenda. Cherie Walton noted a correction on page 2 of the Oct. RAB meeting summary in the Impregnite Kit Area section. The fourth sentence should read... “A company investigating the site for Dominion Lands made the initial discovery in 1995.”

7:15 p.m.      **Corps Update**  
*(Ken Hafner, Rick Aiken, Cheryl Fromme – USACE)*  
 Ken began the update with a review of the funding status.

**Project Budget (as of December 5, 2002)**  
 The FY 2003 budget for FNOD is \$4.893 million with \$2.891 million allocated to the OE effort and \$2.002 million for the Hazardous and Toxic Waste investigation effort.

Ken also said there has been an Ordnance crew working at TCC from Tuesday – Friday (resulting in the traffic being rerouted near the main entrance of TCC). They will break for the holidays on 11 December and gear back up again around January 7. There is also an Ordnance crew working on GE property.

**Source Area And AOC Update**  
**Impregnite Kit Area Delisting**  
*(Rob Thomson - EPA)*

Rob explained that EPA was ready to delist the Impregnite Kit Area from the NPL. In order to do this, EPA is required to have the state's concurrence. The state/VDEQ has brought to light some concerns with groundwater. (There is a new VDEQ team reviewing the delisting package.) Therefore the delisting has not gone forward because of the state's concerns. He said that EPA and the Corps have a conference call scheduled for the next Tuesday to see if the issues can be resolved. If the issues are resolved during this conference call, Rob said EPA will proceed with the delisting. After the EPA places the Notice of Intent to De-List in the Federal Register, the EPA will have a 30-day public comment period (which is required by law) prior to the actual delisting of the Impregnite Kit area. If there are no outstanding comments received by the end of the public comment period, EPA will proceed with publishing a Notice of De-Listing in the Federal Register. If comments are received, they will need to be addressed. Rob said that EPA would also be publishing a public notice in the newspaper along with the Notice of Intent to De-List, letting people know how to submit comments and where to find relevant documents about the Impregnite Kit area.

Bea asked if Dominion Lands had installed any groundwater wells on this property. Rob indicated that there are wells installed by Malcolm Pirnie as well as deeper wells installed by the Corps of Engineers. As part of the background study, USACE performed 2 rounds of groundwater sampling from the background well clusters. Neither of the sets of groundwater data indicate any groundwater concerns in the area. Rob said it would take 1.5 to 2 months to delist the site if all goes well next week.

*Site Management Plan*  
(Cheryl Fromme – USACE)

The Site Management Plan for 2003 is completed. Cheryl provided copies to any RAB members who were interested in receiving one. It will also be posted on the Corps' web site. It has a few new features including information on both the Ordnance & Explosives (OE) investigations and Hazardous Toxic and Radioactive Waste (HTRW) investigations and an OE removal summary. (Note: There is no radioactive waste at FNOD.)

*Background Study*  
(Cheryl Fromme – USACE)

The Background Study report has been sent to the regulators for review and comment. This study is key to the Site Screening process. Cheryl said she hoped it could be finalized soon.

*Site Screening Process*  
(Cheryl Fromme – USACE)

The Corps is waiting on the Background Study to be finalized in order to finalize the Site Screening Process document. Rick pointed out that both the Background Study and Site Screening Process are two of the most important aspects of the project. They will be used to determine which Areas of Concern will require further action and which will not.

*Fishing Pier Near Shore Study*  
(Cheryl Fromme – USACE)

Cheryl pointed out that "near shore" refers to the area of the beach from land to mean low water. The near shore study (including sampling and surveying) will begin at the fishing pier on December 7, 2002. USACE will only look at specific near shore areas where a release may have occurred, like the James River Beachfront site, and the shoreline adjacent to the Horseshoe Pond area. USACE will not investigate the entire near shore area. The Corps will be using the Site Screening Process to determine if any further action is required. If sampling results do not meet the criteria in the Site Screening Process, then the Corps will conduct a Remedial Investigation/Feasibility Study.

*Pesticide Drum Area*  
(Cheryl Fromme – USACE)

The Corps is reviewing the draft report for this site. It is the first site where the Corps is using the Site Screening process format. Six samples were taken in this area. Cheryl said that they did have a hit of Dieldrin (pesticide) above EPA's Industrial and Residential Risk Based Concentration level in one surface soil sample. This site is not part of the NPL listing. VDEQ has the lead on this site.

Bea asked if it has been established that the drums were a result of DoD activity there. Ken & Rick said that it is unlikely that the drums were there prior to 1960s when DoD owned the property. This would make this site ineligible for federal funding from the FUDs program. Rick said the Corps will need to talk with TCC about this. Cheryl pointed out that the Corps needs to consult VDEQ first before proceeding.

*Main Burning Ground & Horseshoe Pond Remedial Investigation*

Test pits were dug in both areas. Geophysical studies were completed in the Horseshoe Pond area. Cheryl said that the field team discovered 2 large anomalies in the Horseshoe Pond area – one was “ferrous” (or metallic) and one was nonferrous. These will need to be investigated further. Several more wells were installed in both areas and soil and groundwater samples were collected. Cheryl said that six metal containers containing a black substance and white powder were also found in the Horseshoe Pond area. They are believed to be impregnite kits. Several interviews that EPA recently conducted with local residents/former employees of the depot suggest possible landfill issues at the Horseshoe Pond. Cheryl said that they are bumping the Horseshoe Pond up on the Corps' priority list.

**Project Timeline**

(Rick Aiken – USACE Contractor)

Rick said that the Project Timeline gets updated every month. He reviewed some of the highlights. Impregnite Kit area delisting will be complete 45-60 days from the time that the issues are resolved with VDEQ. He said the Corps will have a public meeting in conjunction with the June 2003 RAB meeting to discuss the Proposed Plans and Records of Decision for the Track K Dump (Tire Pile & Paint Can) area as well as the Offshore Study. No further action is expected for either of these. The project timeline can be found on the Corps' project web site.

**Ordnance & Explosives Update**

**TCC/TNT Area**

(Rick Aiken – USACE Contractor)

OE work resumed here on December 3, 2002. Work will continue into January. College Drive is closed while this work is being conducted. The Corps will be providing TNT contaminated soil samples to Cornell University for research on innovative cleanup technologies for TNT contaminated soils. HTRW soil and groundwater sampling will begin in the TNT area in February 2003. Rick showed the Pit 18/TNT Area OE investigation grids. Ken said that based on the current findings, he feels that the Corps only has 10 more grids to investigate to complete the work in the TNT area.

*GE Main Burning Ground site*

Rick said that the OE work is slow going here because of all the debris in the soil that has to be sifted. Some of the trash pits are about 12 feet deep, and the grids left to be cleared are all likely to contain this type of trash.. Since the OE field team has found pieces of OE scrap intermingled in with the debris, the strategy proposed during the last RAB to skip over some of the debris areas is not likely to work. Rick said the best-case scenario is that the work will be completed in 2 to 3 years. It could take 5 to 6 years to complete OE work here depending on what is found.

### ***Land Use Control Implementation Plan (LUCIP)***

The Corps signed the LUCIP on August 21, 2002. The Corps is working on the Memorandum of Agreement (MOA) with the City of Suffolk. The next step will be to negotiate MOAs with the affected landowners. The MOA with the City has gone through several legal reviews. He hopes to have the MOA with the City in place by January 2003. Rick said that the Corps will work with Dominion Lands, then GE, then TCC to get the remaining MOAs completed.

### ***Sitewide Well Testing/Groundwater Modeling***

Cheryl noted that the Corps installed monitoring wells in September 2002. Sampling was completed in October and November. Lab and data analysis will be completed by the end of December 2002. Cheryl said she hoped to have the draft report from the sampling effort ready in February 2003 so she can provide an update to the RAB. Cheryl said that the Corps has a first draft of the groundwater model for the site. She said the first draft indicates there may be 2 recharge zones at the site (points where groundwater flows into the aquifer). Cheryl said that they want to verify this. If there are 2 recharge zones on the FNOD property –it could affect how contaminants in the groundwater migrate on site. Originally, the Corps anticipated groundwater flow to move directly toward the rivers, but multiple recharge zones could have the ground water moving in several directions. This situation could have been caused by having bad well elevation levels. If the elevations used in the model weren't correct, the Corps will need to resurvey. By February, Cheryl said they will be more confident in the model. The model will make the project team more efficient in their cleanup efforts at the site. At the April 2003 RAB, the Corps will provide a final report on the well testing effort.

### ***2002 Accomplishments***

- Completed OE work on Dominion Lands property.
- Completed Offshore study.
- Completed Impregnite Kit Area Close out Report
- Completed sampling of Pesticide Area
- Completed sampling of Track K Dump
- Resolved concern over pontoon bridge
- Resolved concern over possible tunnels on site
- Completed first draft of Groundwater model
- Signed Interim Land Use Control Plan
- Completed critical data validation for Background Study
- Completed 4 Area of Concern Desk Top Audits
- Completed final report on human remains burial at James River Beachfront

Bea asked when TCC was hooked up to City water. Ken said the Corps would check and report back at the next RAB meeting.

Rick showed a table that highlighted OE accomplishments. There are 67 acres at FNOD that are known to require OE work. The Corps has completed OE clearance of 47 acres. There are approximately 20 acres left to clear. He also showed tables illustrating what has been removed so far. The Corps has committed a great deal of time and effort to remove approximately 150-160 OE items out of the ground and has encountered thousands of pounds of non-OE related scrap. Rick said he would update the project web site with this information accordingly.

8: 10 p.m.

### **Regulatory Update (Rob Thomson – EPA)**

EPA is still in negotiations with the Corps on a sitewide Interagency Agreement. Rob said he hopes that it will be completed by the end of 2003. He also said that an EPA contractor is developing a sitewide chemical warfare sampling plan. He said the sampling will be conducted in February/March 2003 by Tech Law. Data will be available within 2 months of the sampling.

Rob reported that VDEQ has had some reorganization. FNOD will have a new VDEQ representative.

8:15 p.m. **USACE Commander Presentation** (*Lt Colonel Dougherty – USACE*)  
Certificates of Appreciation were presented to RAB members to recognize their service to the community, the project, the Army, and the nation.

8:30 p.m. **RAB Business & Landowner Updates**  
***RAB Business***  
Sandra read Dave Taylor's resignation letter to the RAB. Since Dave Taylor served as alternate community co-chair, the RAB discussed the need to hold elections in February to elect a new alternate community co-chair. Bea pointed out that all community RAB members were given a copy of a new RAB application for Jackie Taylor (Respass Beach Civic Association President). The RAB voted to take a motion on the RAB application in February.

Ken announced that this would be the last RAB meeting he would be attending as Army Corps Co-Chair because he is retiring in January. The RAB members wished him well and thanked him for his great leadership on the project.

***Landowner Updates***

Jim Bennett (Dominion Lands) said that Dominion Lands just closed on 10.5 acres last month. The property was sold to Continental Properties who will be constructing another 60,000-70,000 square foot building like the one they built a year or so ago.

8:50 p.m. **Public Comment Period / Q&A**  
No comments or questions were raised.

8:55 p.m. **Establish Action Items/Set Agenda and Date for Next RAB Meeting**  
The next RAB meeting was set for February 6, 2003. The meeting will be held at the Bon Secours Health Center at Harbour View. The meeting room is on the second floor. Take the elevator to the second floor, the room is to the right.

**Agenda items** for the next RAB meeting:

- Alternate Co-Chair Elections
- Motions on New RAB members
- IKA delisting update
- EPA Presentation on Regulatory Framework for Records of Decisions
- Track K Dump Update
- Pesticide Drum Area
- Sitewide Groundwater Modeling Update

**Action Items:**

- Rick to update project web site with latest OE numbers & project timeline.
- Corps to check on when TCC was hooked up to city water.

8:45 p.m. Meeting Adjourned

<b>Others Present:</b> David Lipsy Diana Bailey Rick Aiken Bill Hudson Scott Emry	<b>Affiliation:</b> U.S. Army Corps U.S. Army Corps, PAO J.M. Waller & Associates EPA HRPDC
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Margaret Bridgers	U.S. Army Corps
Cheryl Fromme	USACE-Norfolk District
Jackie Taylor	Respass Beach
Connie Baltimore	USACE – Norfolk District
Suresh Kikkeri	USACE – Baltimore District
Cliff Walden	Zapata Engineering
Michael Winningham	Zapata Engineering
Pat Genzler	VCCS/TCC