



US Army Corps
of Engineers®
Norfolk District

VOLUME 20
JUNE 2007



Mark Your
Calendar...

Former Nansmond
Ordnance Depot
Restoration Advisory
Board Meetings

June 7, 2007
September 6, 2007
December 6, 2007

Time:
6:15 PM - 8:15 PM

Location:
Bon Secours Health Center
at Harbour View
5818 Harbour View Boulevard
(Suffolk)

Restoration Advisory Board Celebrates 10 Year Anniversary

Since its first meeting in the spring of 1997, the Restoration Advisory Board (RAB) has been fostering the community's involvement in the clean-up of the Former Nansmond Ordnance Depot (FNOD). The board includes current landowners within the former depot boundaries and representatives from the EPA, the Virginia Department of Environmental Quality (VDEQ), U.S. Army Corps of Engineers (the Corps), the City of Suffolk, and local neighborhoods.



For over a decade, the RAB has held open meetings to discuss the Army Corps of Engineers' FNOD project plans and activities at the 975-acre former depot property with local residents, property owners and businesses. And their hard work has not gone unnoticed.

"The Nansmond RAB is an excellent example of how community leaders and dedicated residents can become an indispensable part of a site cleanup," says Bill Hudson, a Community Involvement Coordinator with the EPA. "It is no easy task to understand the complicated process involving so many entities... Over the past 10 years, our RAB members have become project veterans with a broad understanding of what is being done to make this site safe and reusable, and they have gone a long way to bringing that knowledge to the community."



The RAB's influence is also lauded by the Corps. "We are very grateful to our RAB members for their commitment and dedication and are proud of the working relationship we have built over the years," says Adriane James, the Army Corps Formerly Used Defense Site Program Manager and government co-chair of the board.



RAB on site tour

Please join us as we celebrate the 10th anniversary of Restoration Advisory Board at their June 7th meeting at the Bon Secours Health Center in Harbor View.

"Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed it is the only thing that ever has."

— Margaret Mead
American Cultural
Anthropologist

Restoration News

FORMER NANSEMOND ORDNANCE DEPOT PROJECT UPDATE

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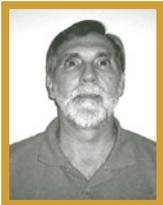
FNOD Restoration Advisory Board



Adriane James
Government Co-Chair
U.S. Army Corps of Engineers
RAB Start Date: February 2003



Bea Rogers
Community Co-Chair
Arbor Meadows
RAB Start Date: April 1997



Bruce Johnson
Respass Beach
RAB Start Date:
April 2000



David Saunders
Milteer Acres
RAB Start Date:
February 1998



Cherie Walton
Greenbrier - Chesapeake
RAB Start Date:
April 1997



Kemp Littlefield
Lockheed Martin
RAB Start Date:
Dec. 2004



Tom O'Grady
City of Suffolk Economic
Development
RAB Start Date: April 1997



Tim Fink
TCC
RAB Start Date:
May 1999



Bob Williams
Dominion Resource Services
RAB Start Date:
June 2005



David Wilson
VDOT
RAB Start Date: June 2007



Victor D'Ortona
Ashley Capital
RAB Start Date:
June 2007



Stephen Hill
GE
RAB Start Date:
June 1997-June 2000,
June 2007

Rob Thomson
EPA
RAB Start Date: April 1997

Stephen Milhalko
VDEQ
RAB Start Date: June 2006

Become Part of the Solution: Join the RAB

Become part of the solution. Make a difference in your community. The RAB meets quarterly on the first Thursday in March, June, September and December, and is currently seeking new members. We would specifically like to hear from residents of neighborhoods near the former depot (Tidewater Community College Portsmouth campus) such as

Burbage Grant, Huntersville, or Harbour View. If you are interested in learning more about the RAB, please contact either Sandra Chaloux, FNOD RAB facilitator at 800-232-7074 or s.chaloux@ce-com.com, or Bea Rogers, the RAB Community Co-Chair at 757-484-4514.

Project Highlights Over the Years

The Corps has been conducting munitions response, environmental studies, and outreach efforts at the Former Nansmond Ordnance Depot under the Formerly Used Defense Site program. There are six National Priority List sites (referred to as Source Areas) and 23 other Areas of Concern within the 975-acre former depot parcel.

The Corps has evaluated and completed work at a number of these areas/sites. This timeline is intended to highlight RAB activities and contributions, outreach efforts such as public meetings, and the various project activities from year to year.

1997

- First FNOD RAB Meeting -April 2007
- Engineering Evaluation/Cost Analysis (EE/CA) completed at FNOD for ordnance
- First round of residential well sampling in Respass Beach
- RAB wrote letter to Army officials to obtain funding for removal action at Impregnite Kit Area

40mm fuzed ordnance item



1999

- FNOD added to EPA's National Priority/Superfund List – July 99
- Geophysical survey completed of Impregnite Kit area, TNT Area, Athletic Field, and Renovation Plant area to search for buried ordnance
- Background sampling effort initiated
- EE/CA completed at JRB and a removal action was deemed necessary
- Interagency project team prioritized 18 Areas of Concern for investigation

2001

- Public meeting on a variety of topics such as plans for NRB, JRB, ordnance removal efforts, and the baseline ecological survey
- Geophysical surveys completed for 5 areas identified in the time-critical removal action interagency agreement
- JRB removal action completed and shoreline stabilization/revetment wall installed
- Nansmond River Beachfront Initial Removal Action completed
- Ordnance removal efforts in the vicinity of the TCC soccer fields (Pits 12, 15, and 19) and Pit 18
- FNOD Public Affairs work group established
- FNOD project website launched

Nansmond Native American Tribe exhibit at 2001 public meeting



Ordnance exhibit at 2001 public meeting

1998

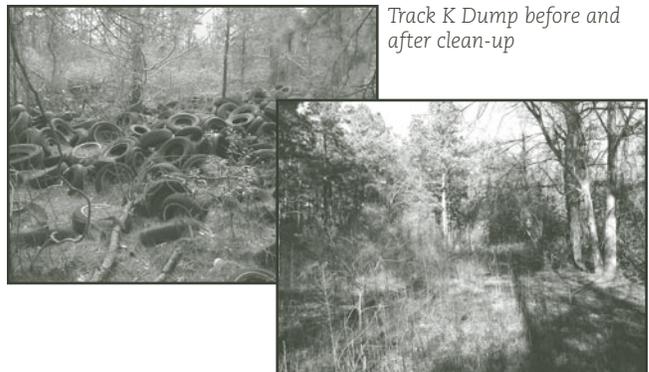
- First RAB Site Tour – Jan 98
- Corps received funding for removal action at Impregnite Kit Area and completed the removal action there
- Governor Gilmore representative attended RAB meeting to discuss FNOD being placed on EPA's National Priorities List (NPL)
- Public meeting on EE/CA Ordnance Investigation Findings – June 98
- Site investigation completed at James River Beachfront (JRB). Human Remains were found.
- Soil and groundwater sampling in the TNT area
- Second round of residential well sampling in Respass Beach

Close up of Impregnite Kit container



2000

- Public Meeting for the Proposed Removal Action at the James River Beachfront–April 2000
- VDEQ completed fish tissue sampling at TCC ponds– Aug 2000
- Offshore Study initiated to determine if FNOD activities have impacted the river ecosystem adjacent to the former depot
- Phase 1 Remedial Investigation completed at the Horseshoe Pond
- Corps removed approximately 8,000 tires and paint cans located in an area about 12-foot by 12-foot from Track K Dump and the 2 pesticide drums in the Pesticide Drum area
- Slag/debris removal began at Nansmond River Beach
- U.S. Fish & Wildlife Service collected mussel samples from Streeter Creek, James River, and Nansmond River for ecological assessment



Track K Dump before and after clean-up

Project Highlights Over the Years (continued)

2002

- Public meeting on Land Use Control Plan – March 2002
- Interim Land Use Control Plan completed to address ordnance risks
- Third round of residential well testing in Respass Beach area
- Sitewide groundwater study initiated at FNOD
- Munitions work completed at Impregnite Kit area on Dominion property
- Public meeting for the Proposed Plan for the Impregnite Kit area - Dec 2002
- Bridgeway Tech Center 1 was constructed on the former Dominion property
- Offshore study completed -no significant impacts observed and no further action required
- Two-thirds of the ordnance clearance work completed at FNOD (48 of the approximate 67 acres requiring clearance)

2004

- RAB site tour –Feb. 6
- Interim Cover installed for impacted soil in the TNT area
- Remedial Investigation initiated in TNT area including human health and ecological risk assessments
- Soil sampling for the Track K Dump and Pesticide Drum area RIs
- RIs initiated at the James River Beachfront and TCC Lake
- Site investigation at Nansemond River Beachfront including a geophysical survey, soil sampling, and groundwater sampling on the bluff
- Munitions investigations completed at all the FNOD sites identified by EPA as time-critical. The Corps removed 244 munitions items, 1,000 lbs of munitions debris, and 171,743 lbs of scrap metal and non-munitions debris



Interim cover installed at TNT area



RAB on site tour at sifter

2003

- Corps coordinated with four local churches and conducted a human remains reburial ceremony on June 21, 2003 which received national media coverage
- Impregnite Kit Area delisted from EPA's National Priorities List. This is the first FNOD source area to be delisted. (Groundwater throughout FNOD is being handled separately.)
- Chemical Warfare Material testing completed by EPA at Horseshoe Pond, Main Burning Ground, and J-Lake areas. Nothing was found
- Time-critical ordnance clearance efforts completed on TCC property
- The Corps removed 86 munitions items, 493 lbs of bulk explosives, 396 lbs of scrap, and 87,037 lbs of non-OE scrap
- ATSDR presented their Public Health Assessment Findings to RAB - Dec. 4
- Offshore Area Proposed Plan Public Meeting – Dec 2003



The human remains reburial received national media coverage

2005

- Corps finalized land use control agreements with Virginia Community College System and City of Suffolk
- Corps changed plan for Pesticide Drum area from EE/CA to RI because of feedback from RAB
- Horseshoe Pond drained to investigate 2 anomalies and ecological risk assessment completed
- Track K Dump human health and ecological risk assessments and proposed plan completed. No risks identified and no further action recommended.
- Environmental site investigations initiated at TCC Lake, Renovation Plant area, and Group B AOCs (sites between TCC Lake and I-664)
- City of Suffolk Industrial Development Authority acquired triangle parcel from VCCS/TCC
- Corps began using the mechanical sifter on Sept. 6 to speed up the ordnance investigation
- The Corps removed 24 munitions items, 556 lbs of munitions debris, and 140,149 lbs of scrap from FNOD. Most of the munitions efforts were conducted in the Main Burning Ground
- RAB site tour –Dec. 2

2006: A Year in Review

Munitions Response in 2006

- Completed the initial munitions characterization work at the Nansemond River Beachfront
- Investigated 17 100-foot by 100-foot grids in the Main Burning Ground area

Environmental Studies

- Began the groundwater investigation at a site located between the Horseshoe Pond and the Ashley Capital warehouse (referred to as the Arsenic Investigation area/Area of Concern 22)
- Initiated site investigations at J Lake and several sites located between the main campus and TCC Lake referred to as Group C Areas of Concerns
- Completed the Remedial Investigation (RI) report for Pesticide Drum area –no further action anticipated
- Groundwater sampling efforts in the TNT area

2007 Project Plans

Environmental Studies

- Complete the groundwater Monitoring Natural Attenuation (MNA) study and Feasibility Study for TNT area –TCC property
- Final Phases of groundwater study at Area Of Concern (AOC) 22 (Arsenic Investigation) –Ashley Capital property
- Expanded environmental site investigations for AOCs 10 (Track G Magazine Line) and 11 (Track H & I Magazine Line) –TCC property

Munitions Investigations

- Munitions removal action at NRB (including shoreline stabilization) –Ashley Capital property
- Complete Munitions Investigation in Main Burning Ground –GE property
- Conduct additional munitions work in the Renovation Plant area and North Athletic Field –TCC property

Other

- Shoreline Stabilization Feasibility Study at the JRB – along TCC property

Outreach

- Public Meeting for Track K Dump Proposed Plan– Feb. 2
- Community interviews Aug 22-24

Munitions Removed in 2006

At Nansemond River Beachfront:

30 munitions items
27 lbs of bulk explosives
522.5 lbs of munitions debris
2,149 lbs of scrap

At Main Burning Ground:

57 munitions items
16,249 lbs of munitions debris
63,518 lbs of scrap

Public Safety Warning

Summer is here. This is the time of year when Army Corps field crews observe more kids bicycling, fishing, and playing in the remote areas of the Ashley Capital property and the Tidewater Community College Portsmouth Campus. Please be aware that there are physical hazards in these areas, such as excavation pits and structurally unsound buildings that could cause serious injury. The Army Corps has clearly marked its study areas with caution signs and fences to keep people out of harm's way. Please warn your children and teenagers to heed the warning signs and not play in these areas. Thank You! Have a safe, happy summer.



Abandoned structure



FNOD RAB Member List

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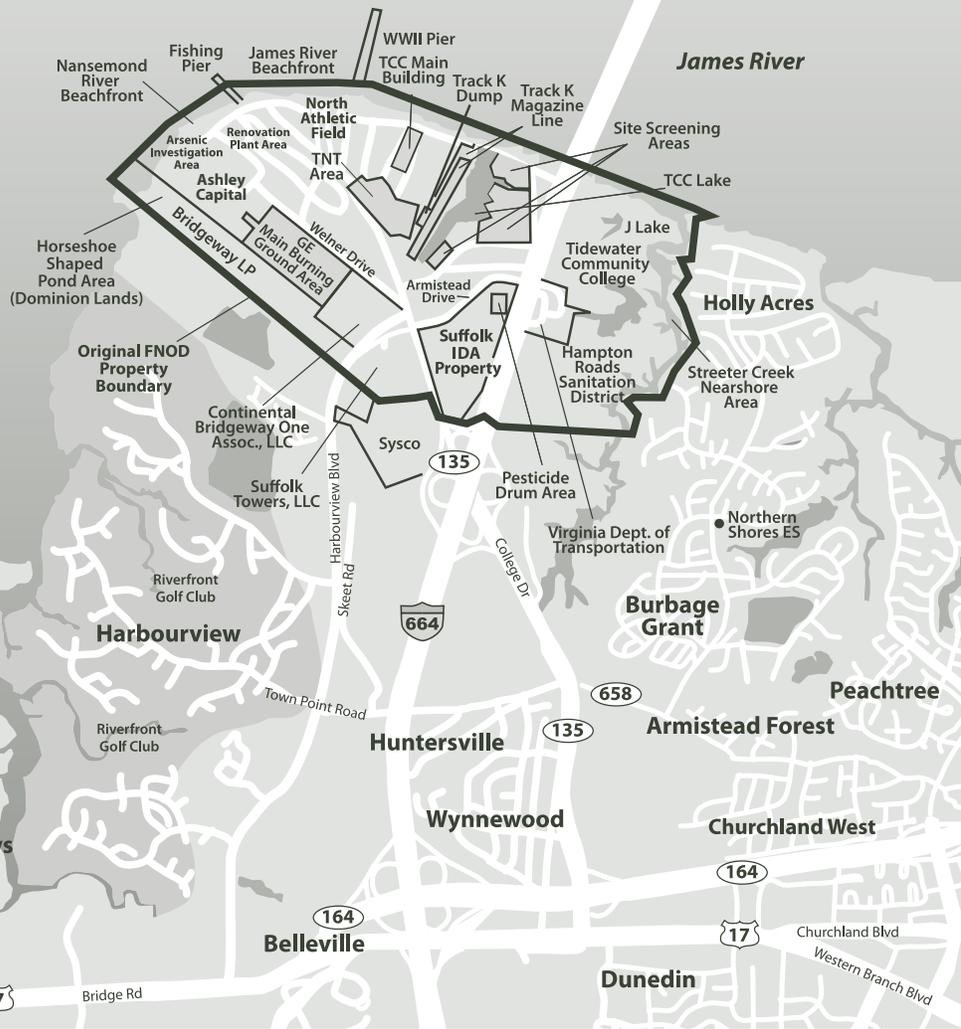
Former Nansemond Ordnance Depot Project Update

FNOD Project Web Site:
<http://www.nao.usace.army.mil/fnod>

Important News About Your Community



The Restoration Advisory Board is seeking new community members. For more information, please contact Sandra Chaloux at 800-232-7074, or s.chaloux@ce-com.com



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Important News About Your Community

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