



2001 Accomplishments

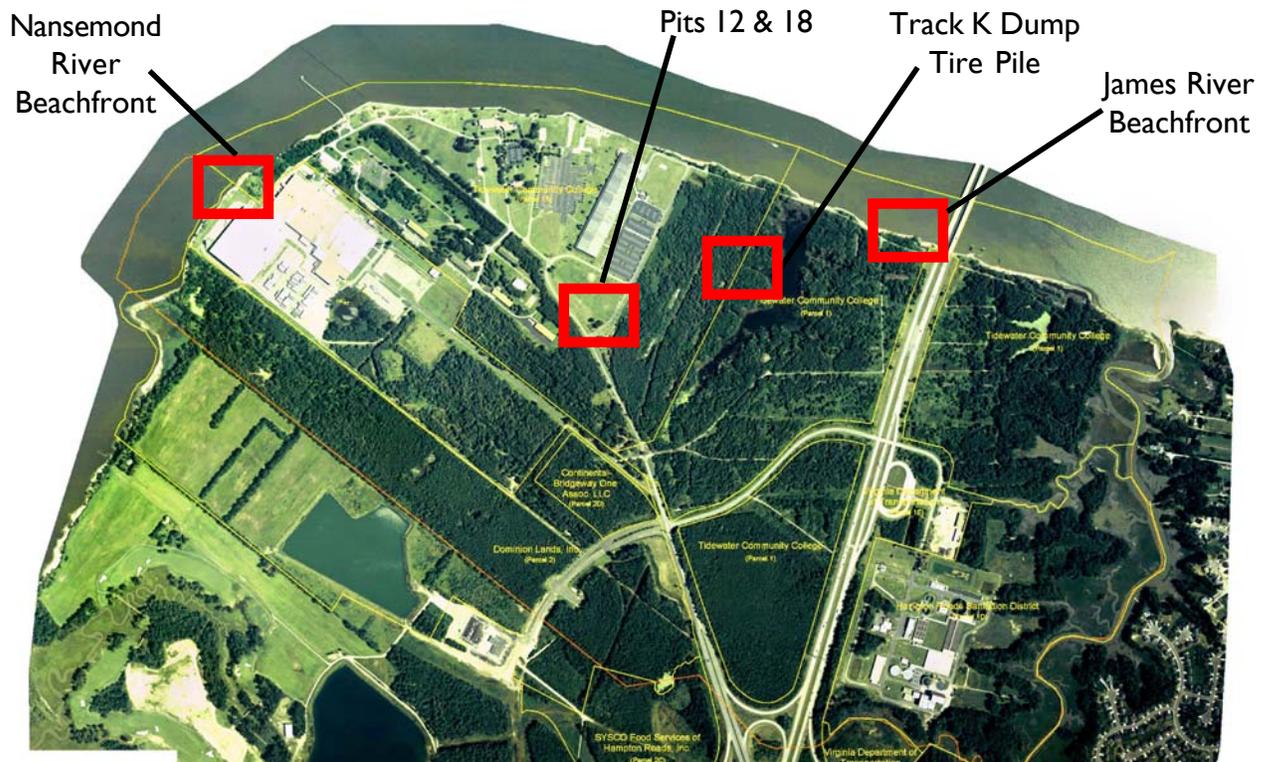
- James River Beachfront
- Track K Dump/Tire Pile
- Nansemond River Beachfront
- Pits 12 & 18 - Ordnance Survey Areas

The Corps made visible progress in 2001 at the Former Nansemond Ordnance Depot (FNOD) by completing four large removal actions involving debris and in some cases ordnance and explosives (OE). This fact sheet summarizes the removal actions completed at James River Beachfront, Nansemond River Beachfront, Track K Dump, and Pits 12 and 18.

The Corps is moving forward with investigations and removal actions at a variety of sites including several known and suspected OE sites, six "source areas" identified by EPA as part of the National Priorities List (NPL), and 21 additional Areas of Concern (AOCs) that were identified after the NPL listing.

The James River Beachfront and the Track K Dump are two of the six source areas on the NPL. The Nansemond River Beachfront is the first AOC the Corps is addressing. Pits 12 and 18 are two of the four ordnance survey areas investigated at Tidewater Community College.

These removal efforts clear the way for the Corps to begin soil and groundwater investigations at FNOD. The Corps is following the Comprehensive Environmental Response and Liability Act (CERCLA) regulations and EPA and state guidelines to complete these efforts.



James River Beachfront

Site Description

The James River Beachfront is a 700-foot section on the south bank of the James River. The area, a former trash and disposal site, is located just west of the I-664 bridge.

What Was Found?

During the removal, the Corps found debris including scrap metal, concrete slabs, slag material (refuse from burnt ordnance), bricks, and other construction debris.

Approximately 1,000

tons of debris were

removed from the

site. In addition, 34

pieces of inert

ordnance were

removed from the

beachfront and

tested. Ordnance

items included a

9-inch Civil War

cannon ball, a number of empty 170 mm German

projectiles, and an empty 8-inch projectile. No live

ordnance was found.



**9-INCH CIVIL WAR
CANNON BALL**

Work Completed

Removal efforts took place during the summer of 2001 and were complete in October. The most noticeable change is the installation of a revetment wall with a stone facing to protect the shoreline from erosion.

Most confirmation soil samples taken were at or below EPA screening levels. Some of the soil samples, however, showed elevated levels of lead and arsenic.

What's Next?

The Corps will conduct a risk assessment to determine what future requirements remain. Risk Assessments are studies that evaluate potential health effects for individuals or populations exposed to hazardous materials. They are conducted to protect human health and the environment and to help establish cleanup goals and prioritize cleanup efforts.

Risk Assessments answer four basic questions:

- * Is there a risk?
- * Who is at risk?
- * How great is the risk?
- * What is causing the risk?

If the project team determines that an exposure risk does exist at the beachfront, the Corps will develop a plan for long-term monitoring and maintenance requirements. The Corps hopes to establish a Record of Decision in 2003 for this site that will summarize what other restoration activities are required.

The Corps will investigate metallic anomalies and other possible contamination in the shallow water area just offshore of the beachfront as part of the "near offshore study."

BEFORE



AFTER



Nansemond River Beachfront

Site Description

The Nansemond River Beachfront area is a 353-foot stretch of beach located behind the General Electric plant on Tidewater Community College property. The area, which is adjacent to several Former Nansemond Ordnance Depot structures including a wastewater treatment plant, is considered to be the highest-priority Area of Concern.

What Was Found?

The Corps found metal slag (refuse from burnt ordnance) with questionable content on the beach. This material has since been classified as non-hazardous. No live Ordnance and Explosives were found.

Work Completed

The initial removal action reached a depth of 2 to 3 feet and was completed in September 2001. The visible large debris was removed to an on-site container, characterized for disposal, and disposed of as non-hazardous waste.

What's Next?

Small pieces of slag material continue to surface on the beach as a result of wave action. Therefore, the Corps will oversee near-term monitoring to remove the additional slag that washes up on shore. Erosion control measures are also being evaluated. Confirmation soil sampling will be conducted to determine what, if any, additional work is needed. The Corps anticipates that a No Further Action Proposed Plan (i.e., the cleanup plan) and Record of Decision (a formal public record of the cleanup strategy to be used at the site) will be appropriate for this site.



BEFORE



DURING



AFTER

Contact Information

For more information about the Former Nansemond Ordnance Depot project please contact the following people:

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Project Web Site

<http://www.nao.usace.army.mil/Projects/Nansemond/welcome.html>

Information Repository

Information about the Former Nansemond Ordnance Depot project is available for public review at the Tidewater Community College Library

7000 College Drive Portsmouth, VA
Library Hours: 8 a.m. to 9 p.m. Monday through Thursday
and 8 a.m. to 4 p.m. on Friday

Pits 12 & 18 - Ordnance Survey Areas

Site Description

Pits 12 and 18 were two of the four pits investigated for Ordnance and Explosives (OE) on Tidewater Community College (TCC) property in 2001. Both are located on either side of Jamestown Road, in the TNT area, near the entrance of the TCC Portsmouth campus.

Work Completed

The Corps completed the OE investigation and excavation of Pit 12 in April 2001 and the excavation of Pit 18 in September 2001. After completing excavation at both pits, the Corps expanded their search approximately 50 feet around the pits as an additional safety precaution.

What Was Found?

Pit 18 - Nothing was found in Pit 18. However, 13 adapter boosters, a British MK 146 fuze, and a shot gun shell were found within 50 feet from the pit.

Pit 12 - Several ordnance and explosives were found including 396 British Stoiles Mortar MK 146 fuzes, 12 other assorted items, a small amount of crystalline TNT, and some black powder.

What's Next?

The Corps will conduct additional surveys in the vicinity of Pit 18 to determine whether any other OE materials are present. No additional work is anticipated at Pit 12.



**BACKFILLING
PIT 18**

Track K Dump/Tire Pile & Paint Cans

Site Location and Size

Track K Dump is located west of South Road on the Tidewater Community College Campus. It is a wooded area which is unused by the college and extends 7-10 acres. The area where the tire pile was located was approximately 250 feet by 100 feet. This site also included a 12 foot-by-12 foot area that contained discarded paint cans. This is one of the six "source areas" at the Former Nansmond Ordnance Depot identified by EPA on the National Priorities List (NPL).

What Was Found?

The dump area was identified during an EPA site visit. It is likely that the tires and paint cans were dumped in the area after the Department of Defense had transferred the property. However the tire piles and paint cans had to be removed to sample the soil below the debris. The tire pile contained a mix of car and truck tires, and the adjacent area contained cans of paint and solvent that had been burned out.

Work Completed

The Corps removed the tires and paint cans in June 2001. Approximately 58 tons of tires were removed and sent to a recycler, and a half cubic yard of paint cans were disposed of.

What's Next?

The Corps will be conducting confirmation soil sampling and analysis to determine if there is any contaminated soil remaining. No further action is anticipated for this site.



BEFORE



AFTER