

12/7/04 - 00418

MEETING SUMMARY

CH2MHILL

**St. Juliens Creek Annex (SJCA) Site 3 Proposed
Remedial Action Plan (PRAP) Public Meeting:
December 7, 2004, 5:30 PM**

Attendees:

Bob Schirmer/NAVFAC Mid Atlantic

Valerie Walker/CNRMA

Todd Richardson/EPA (Region III)

Bill Friedmann/CH2M HILL

Kim Henderson/CH2M HILL

From: Kim Henderson/CH2M HILL

Date: December 17, 2004

Location: Major Hillard Library, Chesapeake, Virginia

No members of the public attended the meeting, meeting adjourned at 6:00 PM.



Proposed Remedial Action Plan (PRAP) for Site 3 (Waste Disposal Area C)

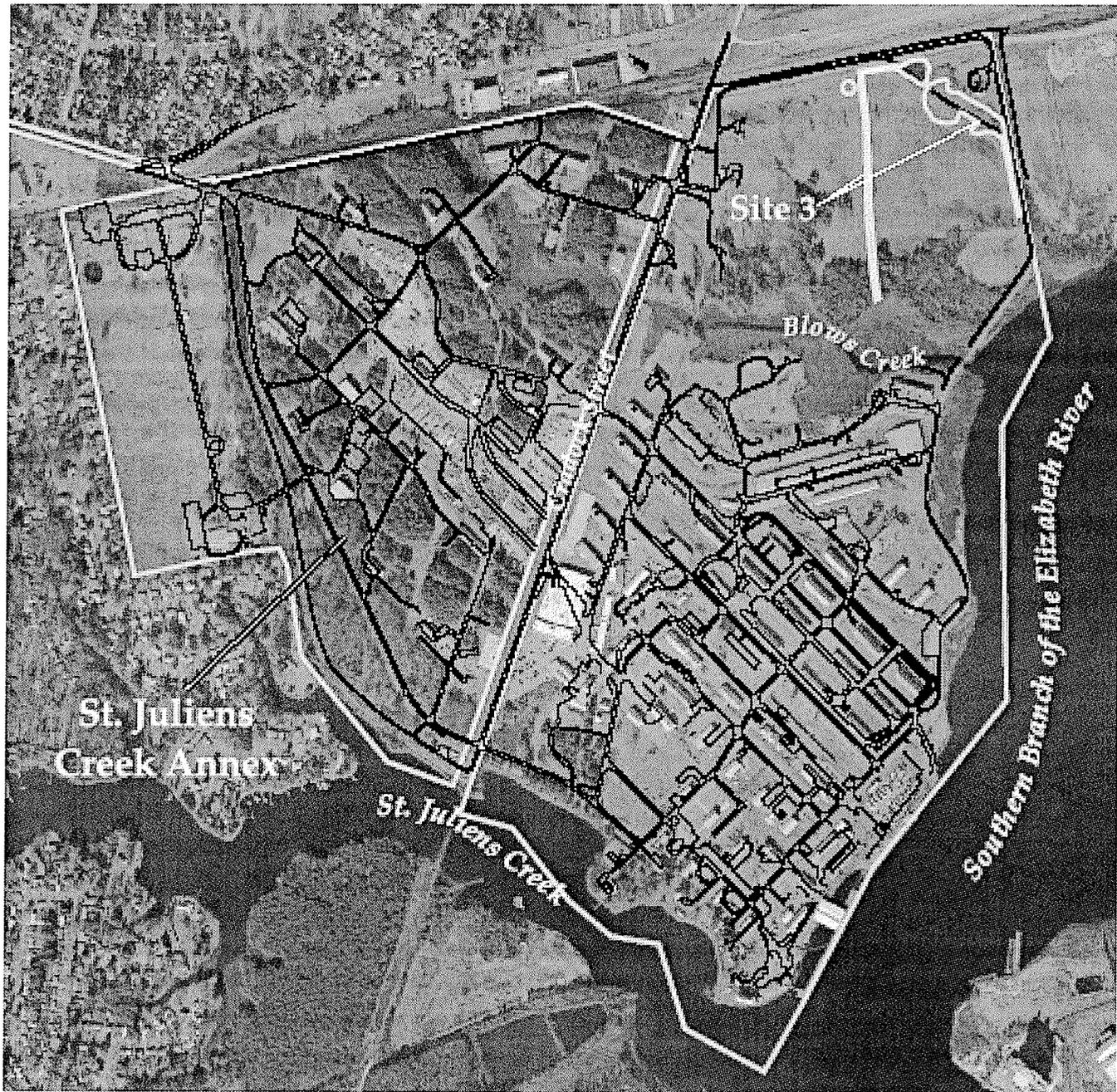
**St. Juliens Creek Annex (SJCA)
(EPA ID: VA5170000181)
Chesapeake, Virginia**

December 7, 2004



Purpose

- Present the Public with the PRAP for Site 3, Waste Disposal Area C
 - Identifies the Preferred Alternative for addressing contamination (risk) at Site 3
 - No further action
 - Provides the reasoning for selecting this alternative
- Answer questions and request feedback regarding on the draft PRAP





Background

- 2.1 acres located in the northeastern corner of SJCA
- Refuse disposal took place from 1940 until 1970
- Refuse was dumped, burned, and the ash was used to reclaim the low-lying area
- Total volume estimated at 750,000 cubic feet (27,800 cubic yards) prior to burning
- Some solvents, acids, bases, and mixed municipal waste were reportedly disposed of
- Two pits (north of access road) were used for disposal of oil and oily sludge and for periodic burning



Site Characteristics

- After 1970, the area was graded level and covered with grass
- Site is occasionally used for radar testing operations
- Adjacent patrol road is used as an exercise path by base personnel
- Drainage ditches divert stormwater southward towards Blows Creek
- Groundwater flows toward surficial water bodies (Blows Creek to south and Southern Branch of Elizabeth River to east)



Previous Investigations

- There have been several investigations conducted at Site 3 including:
 - Initial Assessment Study (IAS) - 1981
 - Preliminary Assessment (PA) - 1983
 - RCRA Facility Assessment (RFA) - 1989
 - Relative Risk Ranking (RRR) - 1996
 - Remedial Investigation/Human Health Risk Assessment/ Ecological Risk Assessment (RI/HHRA/ERA) - 1997-2003
 - Engineering Evaluation/Cost Analysis (EE/CA) and Action Memorandum - 2002
 - Removal Action - 2003-2004



Previous Investigations

RI/HHRA/ERA

- Identified the nature and extent of contamination
 - Waste debris and burnt/stained soils were visually identified within 30” of ground surface
 - Elevated chemical concentrations of inorganics, polycyclic aromatic hydrocarbons (PAHs), and dioxins were identified in the waste area, drainages, and a hot spot area
- Identified potential human health risks
 - Inorganics in soil and drainage sediment
- Identified potential ecological risks
 - Inorganics, pesticides, and PAHs in soil and drainage sediment



Previous Investigations

EE/CA

- Based on the RI/HHRA/ERA findings, remedies and removal actions were evaluated to mitigate potential risks posed by Site 3
 - Non-time-critical removal action (NTCRA) was chosen based on a comparative analysis
 - Excavation (estimated 9,204 cubic yards [cy])
 - Waste characterization and disposal
 - Confirmatory sampling - to ensure remaining concentrations below background
- Public notice of EE/CA availability and public comment period provided
 - No comments received
 - Navy signed Action Memorandum to implement the NTCRA



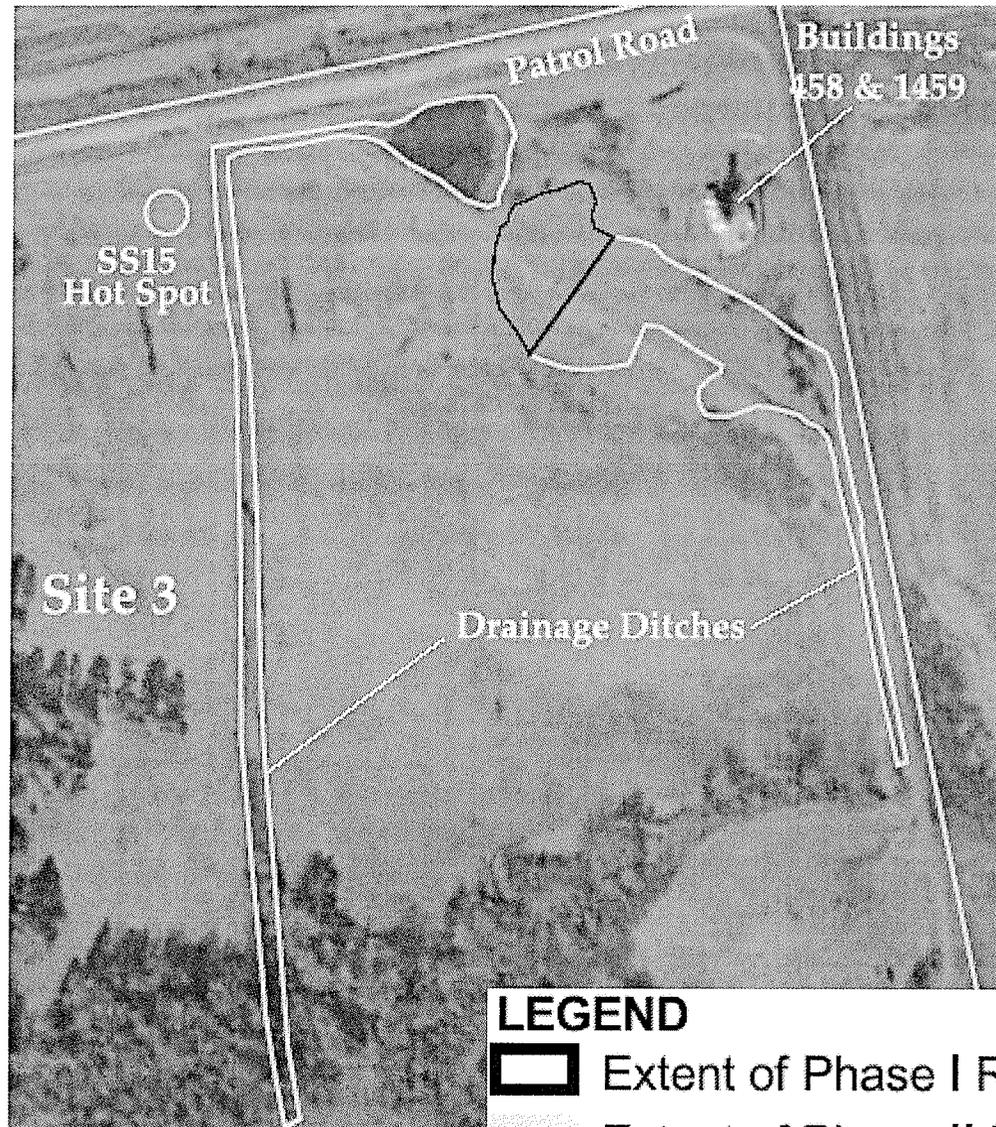
Previous Investigations

Removal Action

- NTCRA conducted in 2 phases:
 - Phase I - August-September 2002
 - 3,300 cy of waste and soil removed
 - Phase II - October 2003-March 2004
 - 9,497 cy of waste, soil, and drainage sediment removed
- Confirmatory samples indicated:
 - Average concentrations of all compounds of potential concern were below background concentrations
 - No statistical difference between site and background
 - Potential risks to human health and environment were mitigated and no principal threats exist

Previous Investigations

Removal Action



LEGEND

-  Extent of Phase I Removal (2002)
-  Extent of Phase II Removal (2003)

Removal





Summary of Site Risks Following Removal

Media	Human Health Risk	Ecological Risk
Surface Soil	Within acceptable limits	Within acceptable limits
Subsurface Soil	Within acceptable limits	Not Evaluated
Groundwater	Within acceptable limits	Within acceptable limits
Sediment	Within acceptable limits	Within acceptable limits
Surface Water	Within acceptable limits	Within acceptable limits



Preferred Alternative

- Potential risks to human and ecological receptors were mitigated by the complete removal of waste, soil, and upland drainage ditch sediment at Site 3
- No further remedial action is proposed



Community Participation

- A Restoration Advisory Board (RAB) for SJCA was formed in 1999 and periodic meetings of community members, the EPA, VDEQ, and the Navy are held
 - Meetings are open to the public to provide opportunity for public comment and input
- A Community Relations Plan for SJCA provides detailed information on community participation
 - Scheduled to be updated in 2005



Community Participation

- The Navy is providing a public comment period from November 13 through December 27, 2004, for the Preferred Alternative described in the PRAP
- Public notice of this meeting and availability of documents was placed in *The Virginian-Pilot* newspaper on November 5, 2004



Community Participation

During the comment period, interested parties may submit written comments to one of the following addresses:

Ms. Valerie Walker

Commander, Navy Region Mid-Atlantic
Regional Environmental Group
Naval Weapons Station Yorktown
Building 406, Code N455
Yorktown, VA 23691
Phone - (757) 887-4775
Fax - (757) 887-4478

Mr. Todd Richardson, Code 3HS13

US EPA (Region III)
1650 Arch Street
Philadelphia, PA 19103
Phone - (215) 814-5264
Fax - (215) 814-3051

Mr. Robert Schirmer

NAVFAC MID LANT - Environmental
Code EV3- Environmental Restoration
9742 Maryland Avenue
Norfolk, VA 23511-3095
Phone - (757) 322-4751
Fax - (757) 322-4805

Ms. Debra Miller

Virginia Dept. of Environmental Quality
629 East Main Street
Richmond, VA 23219
Phone - (804) 698-4206
Fax - (804) 698-4234



Next Steps

- The Navy and EPA, in consultation with VDEQ, will make the final decision on the remedial approach for Site 3 after reviewing and considering all information submitted during the 45-day public comment period
- If the modifications substantially change the proposed remedy, additional public comment may be solicited. If not, then the EPA and Navy will sign a Record of Decision (ROD) for Site 3
 - The ROD will detail the remedial action chosen for Site 3 (**No Further Action**) and will include responses to comments received during this public comment period
- When the ROD is completed and signed, the public will be notified as to its availability



Location of Administrative Record

The Community Relations Plan for SJCA, Installation Restoration Program (IRP) fact sheets, and final technical reports concerning Site 3 are available to the public at the following locations:

Major Hillard Library

824 Old George Washington Hwy N
Chesapeake, VA 23323
(757) 382-3600

Ms. Valerie Walker

Commander, Navy Region Mid-Atlantic
Regional Environmental Group
Naval Weapons Station Yorktown
Building 406, Code N455
Yorktown, Virginia 23691
(757) 887-4775



This Concludes the Site 3 PRAP Presentation

- **Questions or Comments?**
- **Thank you for coming!**