

5/26/98-01839

*Atty. 24
Charles E. Brown Park
Nov. 18*

AGENDA
RESTORATION ADVISORY BOARD (RAB)
FOR THE
INSTALLATION RESTORATION PROGRAM (IRP)
NAVAL WEAPONS STATION YORKTOWN
YORKTOWN, VIRGINIA
YORK COUNTY | SOCIAL SERVICES/RECREATION CENTER
301 GOODWIN NECK ROAD
26 May 1998, 6:30 PM

WELCOME/INTRODUCTION.....Kay Phillips
Public Affairs Officer

Captain S. A. Denham
Commanding Officer

Jay Dewing
Community Co-Chair

*45 days
26 May 10
final*
Public Meeting
Proposed Remedial Action Plan (Sites 1 & 3)
Proposed Remedial Action Plan (Sites 6 & 7).....Navy

Discussion
Technical Assistance for Public Participation Program. Jay Dewing
Scott Park

BUDGET
COMMENTS/ANNOUNCEMENT OF FUTURE MEETINGS:
RAB MEETINGS (revisit meeting dates due to loss of meeting
room; please bring your calendars or daytimers for
discussion)

CLOSING REMARKS/ADJOURN



NAVAL WEAPONS STATION YORKTOWN

Proposed Remedial Action Plans
for Sites 1&3 and Sites 6&7

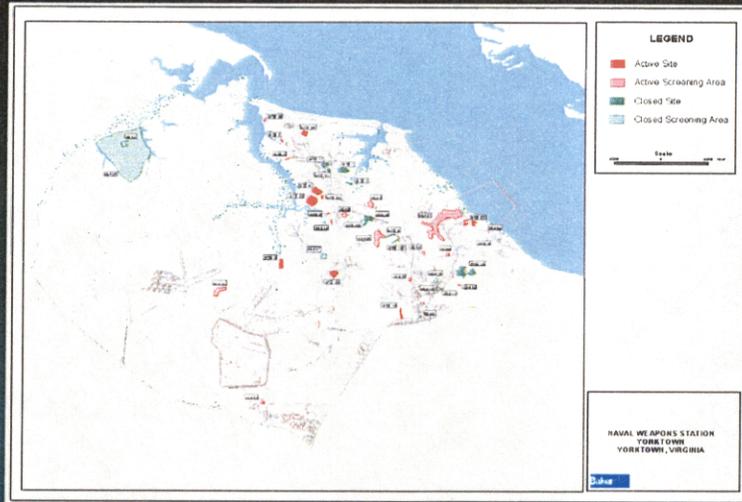
May 26, 1998



Proposed Remedial Action for Sites 1&3 and 6&7

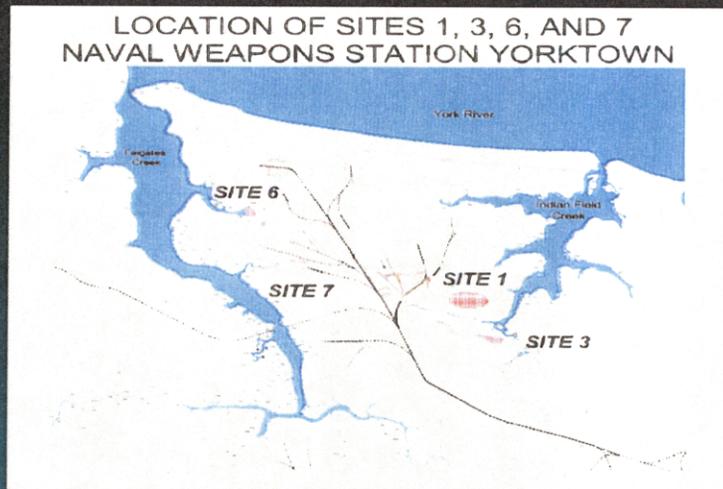
- ❖ The Navy is Providing Notification to all Concerned that Remedial Action Alternatives (RAAs) are being Evaluated for Sites 1, 3, 6 and 7.
- ❖ Public Comment Period Begins May 26, 1998 and Continues Through July 10, 1998.

WPNSTA YORKTOWN

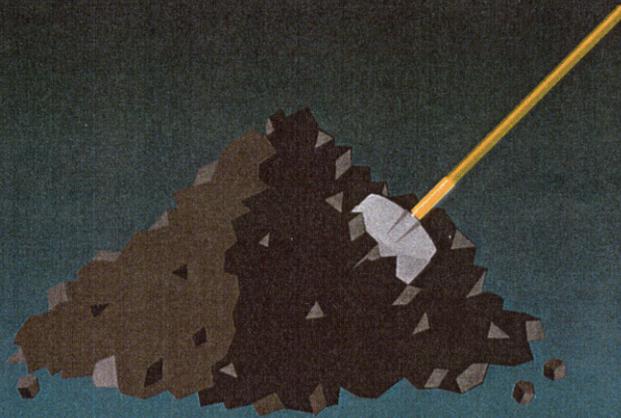


Sites 1&3 and 6&7

LOCATION OF SITES 1, 3, 6, AND 7 NAVAL WEAPONS STATION YORKTOWN



Site Descriptions



Site 1 - Dudley Road Landfill

- ❖ Received Wastes from 1965 to 1979 under RCRA Solid Waste Condition Permit No. 287.
- ❖ A Portion of the Site was used for the Disposal of Lense Grinding Dust until 1983.

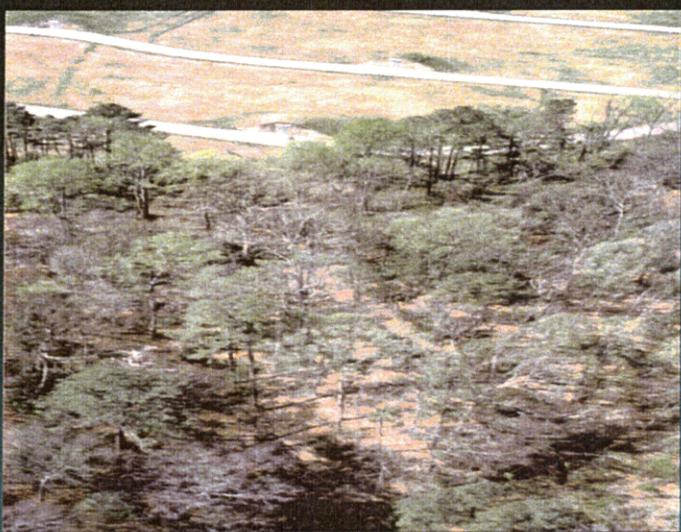
Site 1



Site 3 - Group 16 Magazines Landfill

- ❖ A Two Acre Uncontrolled Dump Site used from 1940 to 1970, Received Solvents, Sludges from Boilers, Grease Trap Wastes and Animal Carcasses
- ❖ Originally Used for Sand Mining

Site 3



Sites 1&3



Site 6 - Explosives Contaminated Wastewater Impoundment

- ❖ Received Wastes from Buildings 109 and 110 from 1942 through 1975. A Carbon Absorption Tower was installed in 1975 and an NPDES Permit Issued. Effluent diverted to HRSD in 1986.
- ❖ Also considers Building 109 AOC C (Trenches and Piping) and SWMU 179 (Contaminated Structure)

Site 6 - Building 109



Site 6 - Impoundment Area



Site 6 Trenches and Piping



Site 7 - Plant 3 Explosives Contaminated Wastewater Discharge Area

- ❖ Wastewater Drainage Ditch Leading to a Small Tributary to Felgates Creek. Wastewater was diverted to Carbon Absorption Tower in 1975 and an NPDES Permit Issued. Effluent diverted to HRSD in 1986.

Site 7



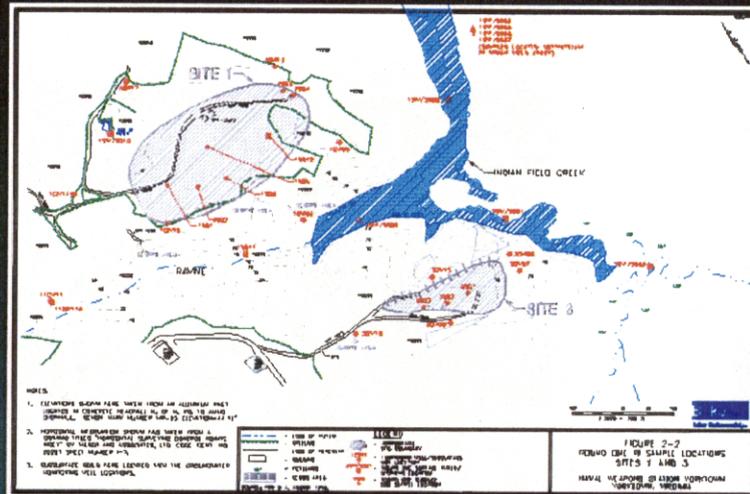
Site Decisions



Sites 1&3

- ❖ Remedial Investigations (RI) Conducted at These Sites
- ❖ A Focused Feasibility Study was Conducted that Evaluated Fewer Remedial Action Alternatives (RAAs) Because of the Nature of the Sites.
- ❖ Groundwater, Surface Water & Sediment Not Evaluated at this Time

Location of Sites 1&3



Baseline Risk Assessment Summaries

- ❖ Site 1 - Human Health
 - Current Receptors - No unacceptable risks
 - Future Receptors - Unacceptable risks to future resident adults and children
- ❖ Site 1 - Ecological
 - Terrestrial - No significant risks present
 - Aquatic - No significant risks present

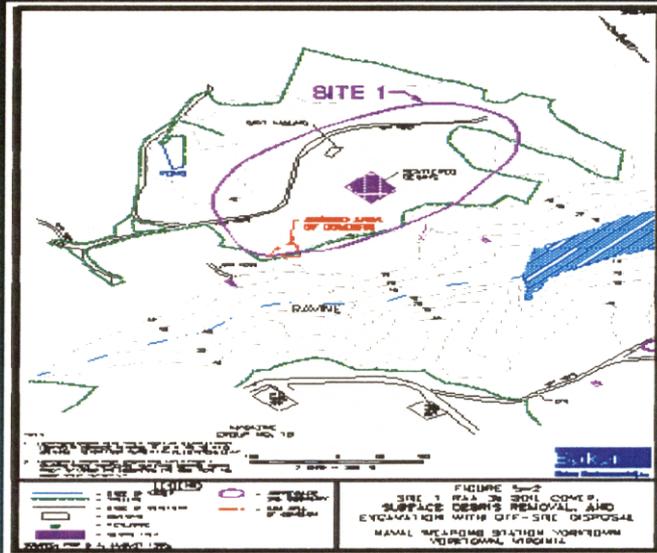
Baseline Risk Assessment Summaries (continued)

- ❖ NOTE: Surface soil samples collected for the FS to define arsenic contamination at Site 1 would generate a risk to human health and the environment. These samples were not evaluated in the baseline RA.
- ❖ Solid Waste Landfill Cover will be reestablished as per Commonwealth of Virginia.

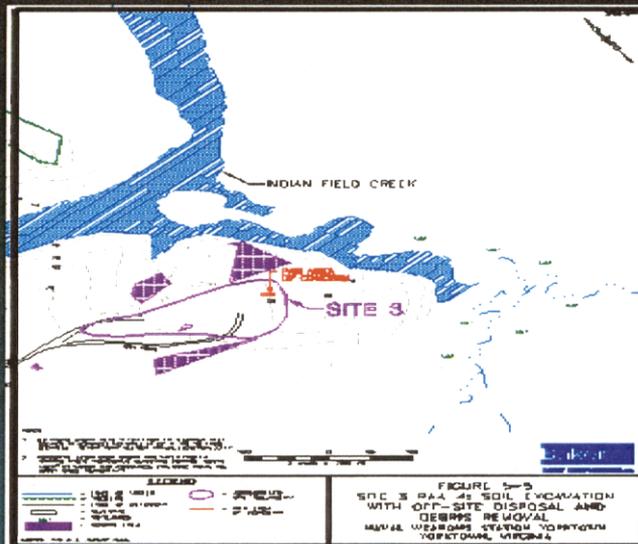
Baseline Risk Assessment Summaries (continued)

- ❖ Site 3 - Human Health
 - Current Receptors - No unacceptable risks
 - Future Receptors - Unacceptable risks to future adult and child receptors (residential land use)
- ❖ Site 3 - Ecological
 - Terrestrial - Potential risks demonstrated in receptor modeling
 - Aquatic - No significant risks present

Site 1 Soil AOC



Site 3 Soil AOC



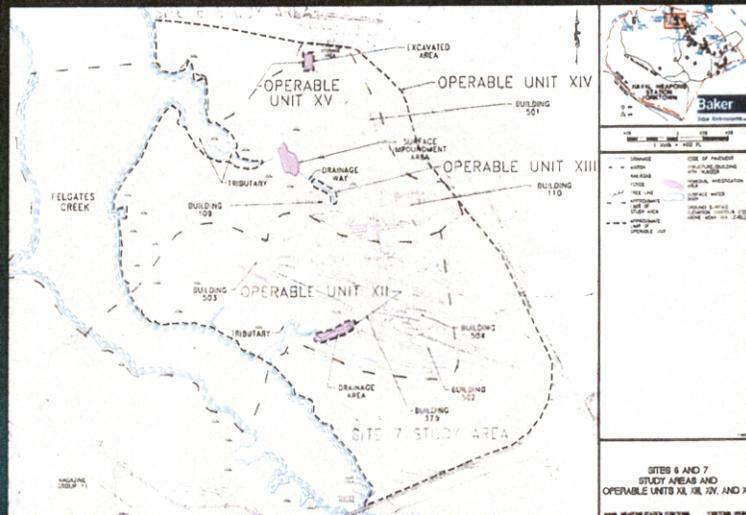
Selected Remedial Alternatives for Sites 1 & 3

- ❖ Site 1 - RAA 3: Soil Cover, Debris Removal, Soil Excavation and Offsite Disposal. NPW = \$270,000.00
- ❖ Site 3 - RAA 4: Debris Removal, Soil Excavation and Offsite Disposal. NPW = \$155,000.00

Sites 6&7

- ❖ Remedial Investigations (RIs) and Post RI Investigations Conducted at These Sites.
- ❖ Feasibility Study Report Evaluated Data and Remedial Action Alternatives (RAAs)

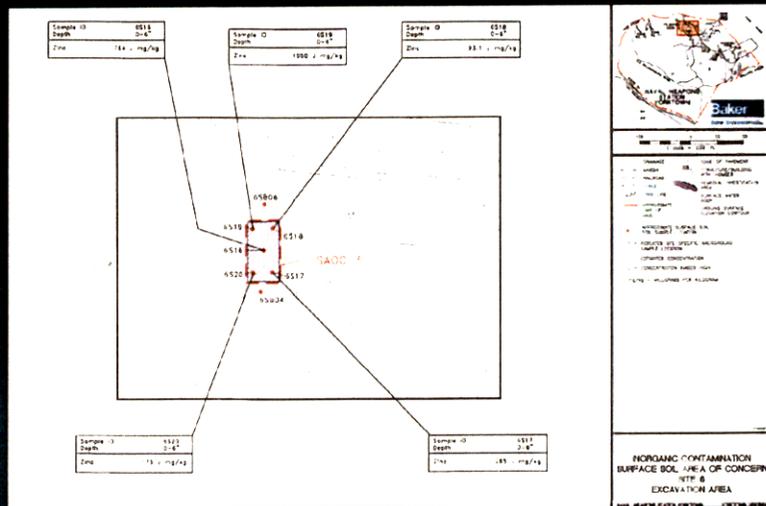
Locations of Sites 6&7



Baseline Risk Assessment Summaries (continued)

- ❖ Site 6 Conclusions:
 - Unacceptable Risk to Human Health assuming Future Residential Exposure to Soil/Sediment in the Impoundment Area.
 - Unacceptable Ecological Risk to Receptors in the Impoundment Area, Flume Area and Excavation Area.

Site 6 Soil AOC 3



Selected Remedial Alternatives for Sites 6&7

- ❖ Site 6 - RAA 6: Ex Situ Biological Treatment (Land Farming), Soil Cover, Excavation and Sludge Removal, Long-Term Monitoring of Surface water and Groundwater. NPW = \$673,000.00
- ❖ Site 7 - RAA 1: No Action. NPW = \$0.00

Baseline Risk Assessment Summaries (continued)

❖ Site 7 Conclusions

- No Unacceptable Risk to Human Receptors under any Land Use Scenario.
- No Unacceptable Risk to Ecological Receptors.
- Risk Mitigated by Removal Action Conducted for the full-scale Pilot Study

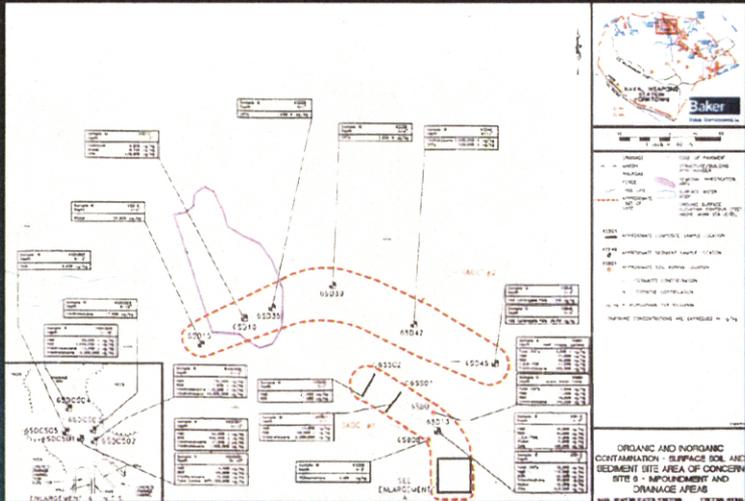
Site 7 Soil Excavation



Site 7 Soil Regrading



Site 6 Soil AOCs 1&2



Public Participation

- ❖ The Public is Encouraged to Participate in the Selection of Proposed RAAs for Sites 1, 3, 6 and 7.
- ❖ The Public Comment Period Closes July 10, 1998.

Comments, Questions and Concerns

