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Commanding Officer
Atlantic Division
Naval Facilities Engineering Command
Building N-26, Naval Station
Norfolk, Virginia 23511-6287

Attn: Ms. Brenda R. Norton, P.E.
Remedial Project Manager
Engineer-in-Charge
Code 1822

Re: Contract N62470-89-D-4814
CTO-0018 Community Relations Services
Final Site Brochure

Dear Ms. Norton:

Baker Environmental, Inc. is pleased to submit this Final Site Brochure for the Naval Weapons Station Yorktown, Virginia. As per Appendix A of the negotiated CTO-0018, the following distribution is delivered:

LANTNAVFACENGCOM	80 copies
WPNSTA Yorktown	900 copies
EPA Region III	10 copies
VA Department of Waste Management	10 copies

If you have any questions or comments concerning this submittal, please do not hesitate to contact me at (412) 269- 2020.

Sincerely,

BAKER ENVIRONMENTAL, INC.
Melissa C. Davidson

Melissa C. Davidson
Community Relations Specialist

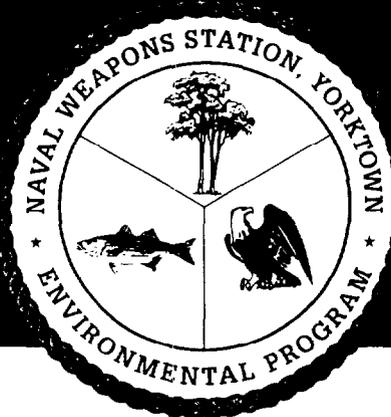
Enclosure

- cc: Mr. Stephen Chambliss, P.E. (w/o enclosures)
- Mr. Marc R. Lambert, P.E. (w/o enclosures)
- Ms. Nina Johnson, P.E. (w/o enclosures)
- Mr. Tom Black (PAO, WPNSTA Yorktown)
- Ms. Jamie Walters (VADWM)
- Mr. Robert Thompson (EPA Region III)

bcc: APPajak/CIHoman/CF; WDTrimpath/JW Mentz/PRGF/R.Wattras(ck)/s
MCDavidson/PRJF
S.O.#19018-SRN
Subfile No.5

Environmental Restoration Program

Naval Weapons Station



Yorktown, Virginia

The 1990s have been initiated with unparalleled, widespread public interest and concern for the natural environment. Environmental awareness is visible everywhere today: in our schools, our stores and our media. The Naval Weapons Station Yorktown (WPNSTA Yorktown) in Yorktown, Virginia has been focusing on the environment from the early 1980s.

The WPNSTA Yorktown became part of the Yorktown community in 1918, when it was founded as the "Naval Mine Depot." Like other industries and businesses of its time, WPNSTA Yorktown disposed of its waste in the commonly accepted practice, by landfilling. As the Station grew in size, its mission and responsibilities expanded, as did the types and amount of wastes generated. These wastes were disposed in a series of landfills within the Station boundaries.

In 1975 the Department of Defense (DoD) initiated the Installation Restoration Program (IRP) to study the disposal activities for hazardous and toxic materials at all Navy and Marine Activities (the IRP is explained in detail on the back of this brochure). At WPNSTA Yorktown, these landfills and other waste disposal or discharge areas were studied to assess possible risk to human health and the environment. From this Initial Assessment Study (IAS) of 19 sites, recommendations were made to conduct a more detailed study of 15 areas at the Station. The remaining four sites were found to require no further action or study.

Meanwhile, laws addressing hazardous waste generation and disposal were passed by Congress. In 1976 the Resource Conservation and Recovery Act (RCRA) was legislated to manage the present and future disposal of hazardous materials. WPNSTA Yorktown has a new area, site 21, being studied under the IRP. Site

20, the Otto Fuel Underground Tank, is being studied under a different program.

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) was passed in 1980 to investigate and clean up (remediate) areas contaminated from past, formerly accepted waste disposal practices. The DoD's Installation Restoration Program was given certain responsibilities under CERCLA to facilitate the site study and remediation process. Today, the IRP follows state and federal environmental laws to ensure that protection of human health and the environment is achieved.

WPNSTA Yorktown is currently studying various waste disposal sites and will be developing the specific plans to remediate each site, as determined necessary. The Station is working closely with the Environmental Protection Agency (EPA), Region III, in Philadelphia, Pennsylvania, and with the Commonwealth of Virginia Department of Waste Management (VADWM) in Richmond, Virginia.

Common Acronyms:

DoD:	Department of Defence
EPA:	Environmental Protection Agency
IRP:	Installation Restoration Program
PA/SI:	Preliminary Assessment/Site Inspection
PAO:	Public Affairs Office/Officer
RD/RA:	Remedial Design/Remedial Action
RI/FS:	Remedial Investigation/Feasibility Study
ROD:	Record of Decision
TRC:	Technical Review Committee
VADWM:	VA Department of Waste Management

Representative Photographs of the IRP Sites:

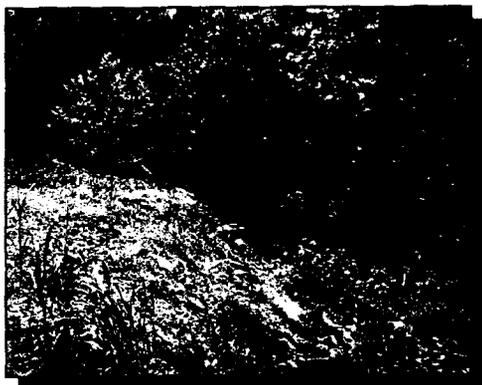


Site 19- Conveyor Belt Soils at Building 10. Soils under the conveyor belt are contaminated with TNT, an explosive.



Site 16- West Road Landfill. Dry-cell carbon batteries, banding materials, pressure transmitting fluid, chemicals and drums disposed.

Site 21- Drum and Battery Disposal Site. Batteries, drums, glass and scrap metal disposed.



Site 1- Dudley Road Landfill. Used for general disposal, including empty oil, grease, paint and solvent containers; explosives-contaminated carbon; and waste oil.

Site 2- Turkey Road Landfill. Mercury and zinc carbon batteries, electrical devices, drums, construction rubble and missile hardware disposed.

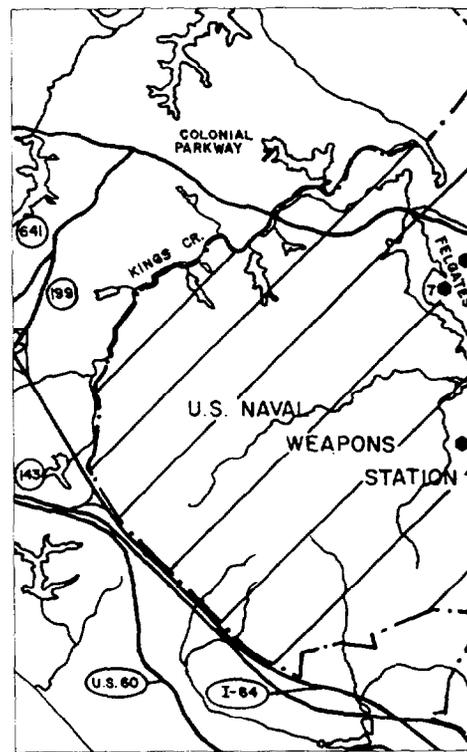
Site 3- Group 16 Magazines Landfill. Solvents, grease trap wastes, sludges from boiler cleaning operations, and oil and grease disposed.

Site 12- Barracks Road Landfill. Scrap metal, drums, tires, garbage, scrap wood, some explosives-contaminated packaging, and possibly solvents disposed.

Site 17- Holm Road Landfill. Acid batteries, hydraulic fluids, drums and scrap metal disposed.



Site 11- Abandoned Explosives Burning Pits. Received ashes and residues from open burning of explosives wastes and contaminated wastes and sludges.



Site map of the WPNSTA Yorktown

Community

WPNSTA Yorktown is gaining valuable input from interests through Technical Review Committee (regulatory agency personnel and civic leaders) when major project milestones are reached. Their reports, findings, and results, and serve as additional sources of information.

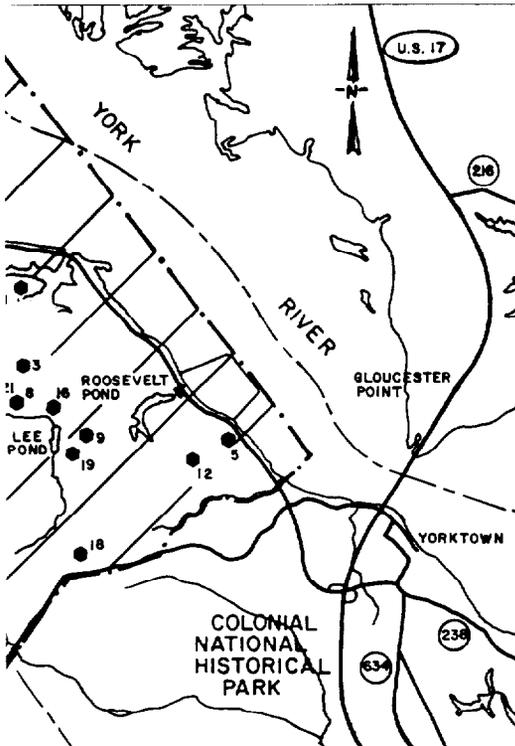
WPNSTA Yorktown is committed to a pro-active approach to the community regarding the remediation study. Community meetings, local libraries, listed on page 4. Additionally, the Information Repository.



Site 4- Burning Pad Residue Landfill. Received burning pad residue, batteries, fly ash and electrical transformers.



Site 5- Surplus Transformer Storage Areas. PCB-contaminated soils from transformer unit leaks present.



numbers on map to numbers on photos.



Site 7- Plant 3 Explosive-Contaminated Wastewater Discharge Area. Received explosives-contaminated wastewater from the drain of the Loading Plant.

Site 8- NEDED Explosive-Contaminated Wastewater Discharge Area. Received floor drain wastewater contaminated with explosives, solvents, spent/ neutralized acids, acetone and other chemicals.

Site 9- Plant 1 Explosive-Contaminated Wastewater Discharge Area. Received wastewater contaminated with explosives and possibly organic solvents.

Site 18- Building 476 Discharge. Received battery acid discharge including metals.



Site 6- Explosives-Contaminated Wastewater Impoundment
Three acre area received explosives-contaminated wastewater from two buildings.

out to the IRP:

ety of Yorktown area business and scientific meetings. Other committee members include meetings are held when a study is completed or ers offer suggestions, may challenge study methods n for the community.

lations policy. The Station strives to inform Current site information is available at your and addresses of the TRC members are also in this

Installation Restoration Process

Preliminary Assessment/Site Inspection (PA/SI):
identifies potential threats to human health & the environment



Remedial Investigation (RI):
analyzes contaminants and determines possible contamination migration from site and risks to human health and the environment



Feasibility Study (FS):
evaluates feasible cleanup methods to achieve environmental standards for human health & environment



Draft Record of Decision (ROD):
specifies cleanup method chosen & explains rationale for selected method



Public Comment Period/Meeting:
allows for public examination of the draft ROD and expression of comments to agency; public meeting held to present plan and answer questions



Record of Decision (ROD):
specifies the cleanup method after evaluating public comments



Remedial Design (RD):
involves preparation of construction specifications and other design plans for remediation



Remedial Action (RA):
is the actual remediation or cleanup of the site to approved environmental standards

Information Repositories:

The York County Public Library
(804) 898-0077
8500 George Washington Highway
Yorktown, Virginia 23692

Jamestown-Williamsburg Public Library
(804) 229-7326
515 Scotland Street
Williamsburg, Virginia 23186

Newport News City Public Library
(804) 247-8506
Grissom Branch
366 DeShazor Drive
Newport News, Virginia 23602

Gloucester Public Library
(804) 693-2998
P.O. Box 367
Main Street
Gloucester, Virginia 23061

Naval Weapons Station Yorktown
Library, Building 705
(804) 887-4720
Naval Weapons Station
Yorktown, Virginia 23690

These libraries are the locations for the IRP information repositories. They include the Community Relations Plan (CRP), photo album, reports, studies and meeting notes pertaining to IRP site activities.

Base Contact for More Information:

Mr. Thomas Black
Public Affairs Officer, Code 01
(804) 887-4444
Naval Weapons Station
Yorktown, Virginia 23690