



Record of Decision Briefing

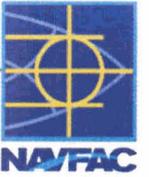
NNSY Site 17 – Building 195

(Plating Shop)

11 August 2006

8/11/06-01315

Purpose



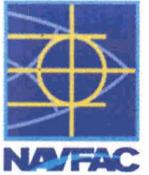
- **NNSY Installation Restoration Program**
- **Site 17 History and Investigation Results**
- **Site 17 Remedial Alternatives**
- **Execute Record of Decision**

NNSY IR Program Status



- **Restoration Advisory Board Est., 1994**
- **163 Total Sites Identified in Federal Facility Agreement (2004)**
 - **154 Sites Require No Further Action (NFA)**
 - Result of desk-top audit, site investigation and/or removal actions
 - Site 1 – New Gosport Landfill, Removal Action completed 2001
 - Site 9 – Acetylene Waste Lagoon (South Gate Annex) completed 2003.
 - **7 Sites Under Remedial Investigation, pursuant to ultimate site closure under a Record of Decision (ROD)**
 - Site 2, Scott Center Landfill – Removal Action Completed in 2005
 - NFA ROD – October 2005
 - Site 17, Building 195 Plating Shop Landfill – Investigation Completed 2005
 - **LUC ROD – August 2006**
 - Sites 3 -7, Paradise Creek Landfill – Phased Removal Action (Soils Cover)
 - Removal Action initiated FY05, to continue through FY08/99 - ROD FY10

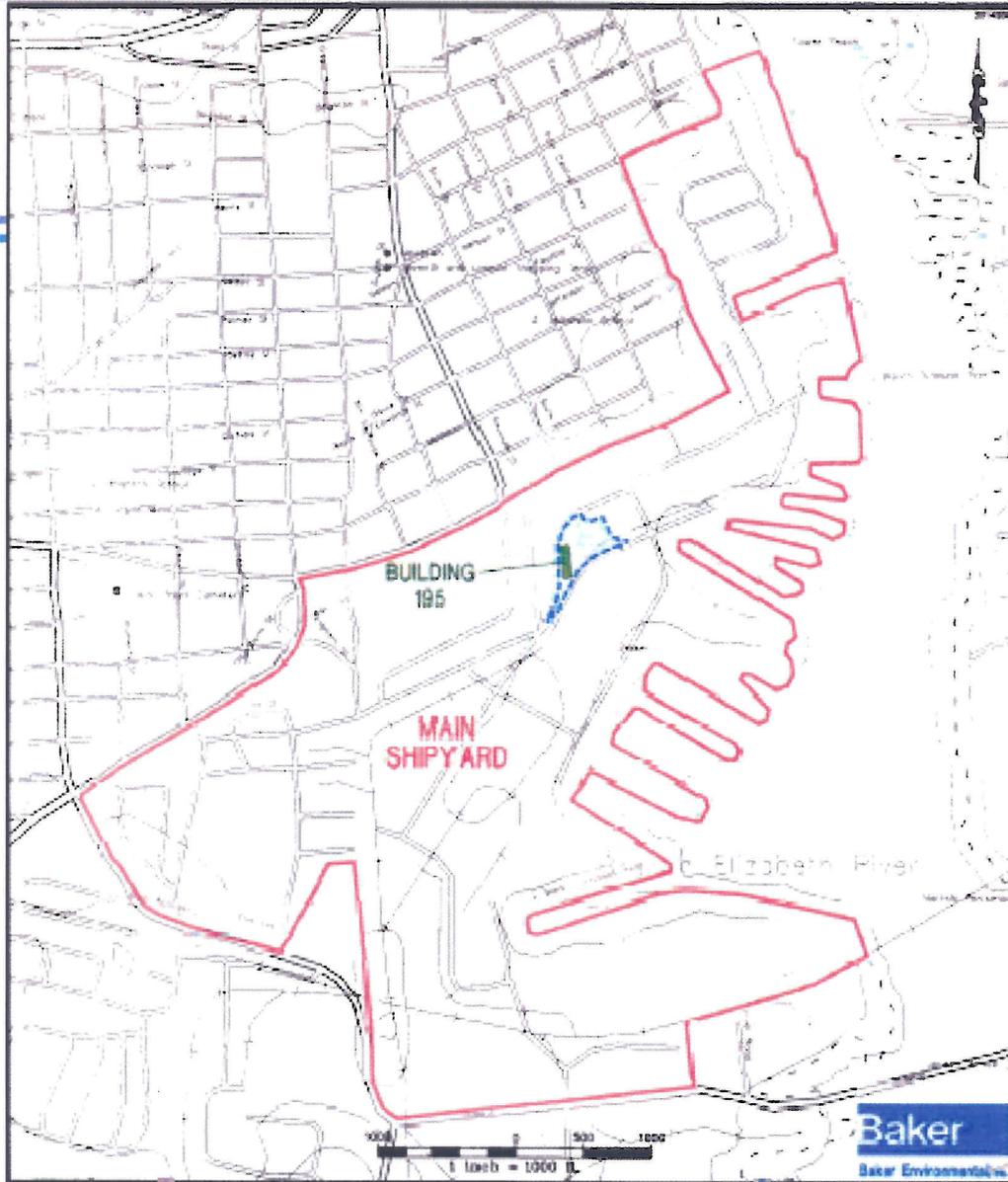
NNSY IR Program Status



– 2 Site Screening Areas

- Site 10, 1927 Landfill – Investigation Completed 2006
 - LUC ROD – planned for October 2006 (under legal review).
- Site 15, Past Pier-Side Industrial Operations – Preliminary Assessment completed,
 - NFA proposed April 2006, regulatory concurrence pending.

- **Cost to Complete \$7,340K**



LEGEND

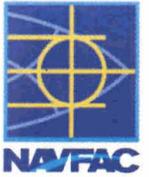
- SHIPYARD BOUNDARY
- BUILDING 195 AND VICINITY (OU-4)
- SITE 17 BOUNDARY
- AREA AFFECTED BY COAL STORAGE (PRIOR TO MID 1950's)

FIGURE 1-2

SITE LOCATION MAP
SITE 17 - BUILDING 195 AND VICINITY
FEASIBILITY STUDY, CTO - 0014
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA

SOURCE: ADC, 1996; LANTDIV, 1991.

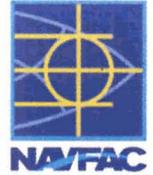
Background



- **Plating shop for NNSY (Bldg 195)**
 - Main Shop from 1970s until mid-1980s
 - Operations being phased out
- **Within the Controlled Industrial Area of the NNSY**

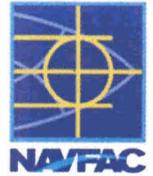


Previous Investigations



- **Initial Assessment Study (Navy, 1983)**
- **Interim Remedial Investigation (IT, 1989)**
- **Phase I Remedial Investigation/Feasibility Study (Baker, 1995)**
 - Limited in scope, concluded additional investigation warranted
- **Phase II Remedial Investigation (Baker, 1999)**
 - Risk to construction & industrial workers for exposure to soils (arsenic along RR spur)
 - No unacceptable risk to construction & industrial workers for exposure to groundwater
 - Residential exposure not evaluated

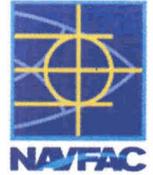
Previous Investigations



- **Focused Feasibility Study (Baker, 2003)**
 - Post-RI soil sampling along removed RR spur (area of elevated arsenic)
 - Revised Human Health Risk Assessment (HHRA)
 - No unacceptable risk to construction & industrial workers for exposure to soils or groundwater
 - Risk to future residents for exposure to soils and groundwater assumed based on preliminary calculations

- **Soils and Groundwater Confirmatory Investigation (CI) of Building 195 Soils - February & October 2004**
 - Support building demolition plans, soils underlying building not assessed in RI
 - Revised (Updated) HHRA Site 17
 - No unacceptable risk to construction & industrial workers for exposure to soils or groundwater
 - Potential risk to future residents exposed to groundwater; however, contaminant levels (arsenic) are consistent with background. Therefore, no action is required under CERCLA
 - Potential risk to future residents for exposure to soils assumed based on preliminary calculations

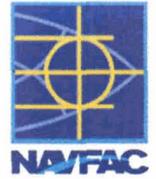
Previous Investigations



- **Revised Focused Feasibility Study (Baker, January 2006)**
 - Incorporate results of the 2004 CI HHRA
 - **Soils pose unacceptable risk for a future resident at Site 17**
 - **Soils pose no unacceptable risk to construction or industrial workers at Site 17**
 - **Groundwater poses no unacceptable risk**
 - Development of Remedial Alternatives to prevent unrestricted land use (residential exposure)

Site 17

Proposed Remedial Actions

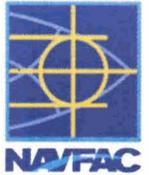


- **No Action**
 - Required alternative to establish baseline

- **Land Use Controls (LUCs)**
 - **Prohibit Residential Development of Site 17**
 - Notice of Restrictions recorded with Deed
 - Annual inspection and certification to EPA and VDEQ
 - 5 year reviews to ensure remedy is protective

- **PREFERRED ALTERNATIVE**
 - **LUCs**
 - Risk to future residents from soil is assumed, LUCs are the preferred alternative and meet all regulatory criteria.

Community Participation



- **Public Notice**
 - *The Virginian-Pilot* March 5, 2006
- **Public Comment**
 - March 5, 2006 thru April 5, 2006
- **Public Meeting**
 - March 23, 2006

NAVFAC
Naval Facilities Engineering Command

**NOTICE OF THE NAVY'S INVITATION
FOR PUBLIC COMMENT ON THE
PROPOSED REMEDIAL ACTION PLAN
FOR OPERABLE UNIT 1 SITE 2
SCOTT CENTER ANNEX
NORFOLK NAVAL SHIPYARD
NORFOLK, VIRGINIA**

The Department of the Navy (DoN) invites public comment on the Proposed Remedial Action Plan (PRAP) for Installation Restoration (IR) Operable Unit (OU) 1 Site 2 (the Scott Center Annex) at the Norfolk Naval Shipyard (NNSY), Portsmouth, Virginia. This PRAP identifies and discusses the preferred alternative to address contamination that has occurred as a result of a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) release.

In April 2005, the Navy completed a remedial action at the site. All contaminated soils and sediments impacted by the CERCLA release were excavated and disposed of at off-site permitted disposal facilities. The site restoration included the emission of salt marsh wetlands in the location of the former landfill. As a result of the remedial action, the site no longer poses any unacceptable risk to human health or the environment; therefore, the DoN's preferred alternative for this site is no further remedial action based on current site conditions.

In accordance with 40 CFR 300.430(f)(2), the assessment of risk information for the site, as related to both human health and the environment, is detailed in the PRAP. The PRAP includes a summary of investigation information and the rationale to determine that Site 2 does not pose unacceptable risk to human health and the environment. Therefore, pursuant to 40 CFR Part 300.425(c)(1)(ii), the taking of additional remedial measures at the site is not appropriate.

This PRAP is based upon the findings of previous site-related documents contained in the DoN's Administrative Record and Information Repository for NNSY. The Administrative Record and Information Repository can provide you with important background and site investigation information. The Information Repository, including this PRAP, is located for public review at the following location during business hours:

Portsmouth Main Library
601 Court Street
Portsmouth, Virginia 23704

The Administrative Record is located at:
NAVFAC Atlantic
Public Affairs Office
Lafayette River Annex
6504 Newmarket Blvd.
Norfolk, Virginia 23509

Provide written comments on the PRAP from July 27, 2005 through August 27, 2005. Send all written comments on or before (postmarked by) August 27, 2005 to the following address:

Commander
Naval Facilities Engineering Command, Mid-Atlantic
Attn: Mr. Timothy Resnick, Code EV221R
9742 Maryland Ave., 3809 A&A
Norfolk, VA 23511

In addition, you are invited to attend a public meeting regarding the investigation of Site 2 at NNSY. Representatives from the DoN will report on the status of Site 2 and the DoN's preferred alternative. The meeting is scheduled for:

Monday, August 8, 2005, 9:30 p.m.
Portsmouth Main Library
601 Court Street
Portsmouth, Virginia 23704

VP July 27, 2005 13588277

??? Questions ???