



Restoration Advisory Board Meeting - 9 May 2006

Naval Station Norfolk Installation Restoration Program

5/9/06 - 01584



RAB Meeting Agenda

Topic	Speaker
Welcome & Introduction	Winoma Johnson NAVFAC MIDLANT
Status of the IR NAVSTA IR Program	Garwin Eng VDEQ
Project Status	Holly Rosnick CH2M HILL
Community Involvement Opportunities	Winoma Johnson NAVFAC MIDLANT
Closing Remarks and Announcements	Winoma Johnson NAVFAC MIDLANT



Naval Station Norfolk





Status of Naval Station Norfolk Installation Restoration Program

Naval Station Norfolk



Naval Station Norfolk IR Program

- National Priorities List (NPL) - April 1997
- Federal Facilities Agreement (FFA) - February 1999
 - 170 Sites Investigated
 - 18 IR sites
 - 10 sites require clean up
 - 8 sites have Institutional Controls to protect health and the environment
 - 5 Site Screening Areas (5 SSAs)
 - 15 Areas of Concern (AOCs)
 - 132 Sites require No Further Action (NFA)



Naval Station Norfolk Partnering Team Members

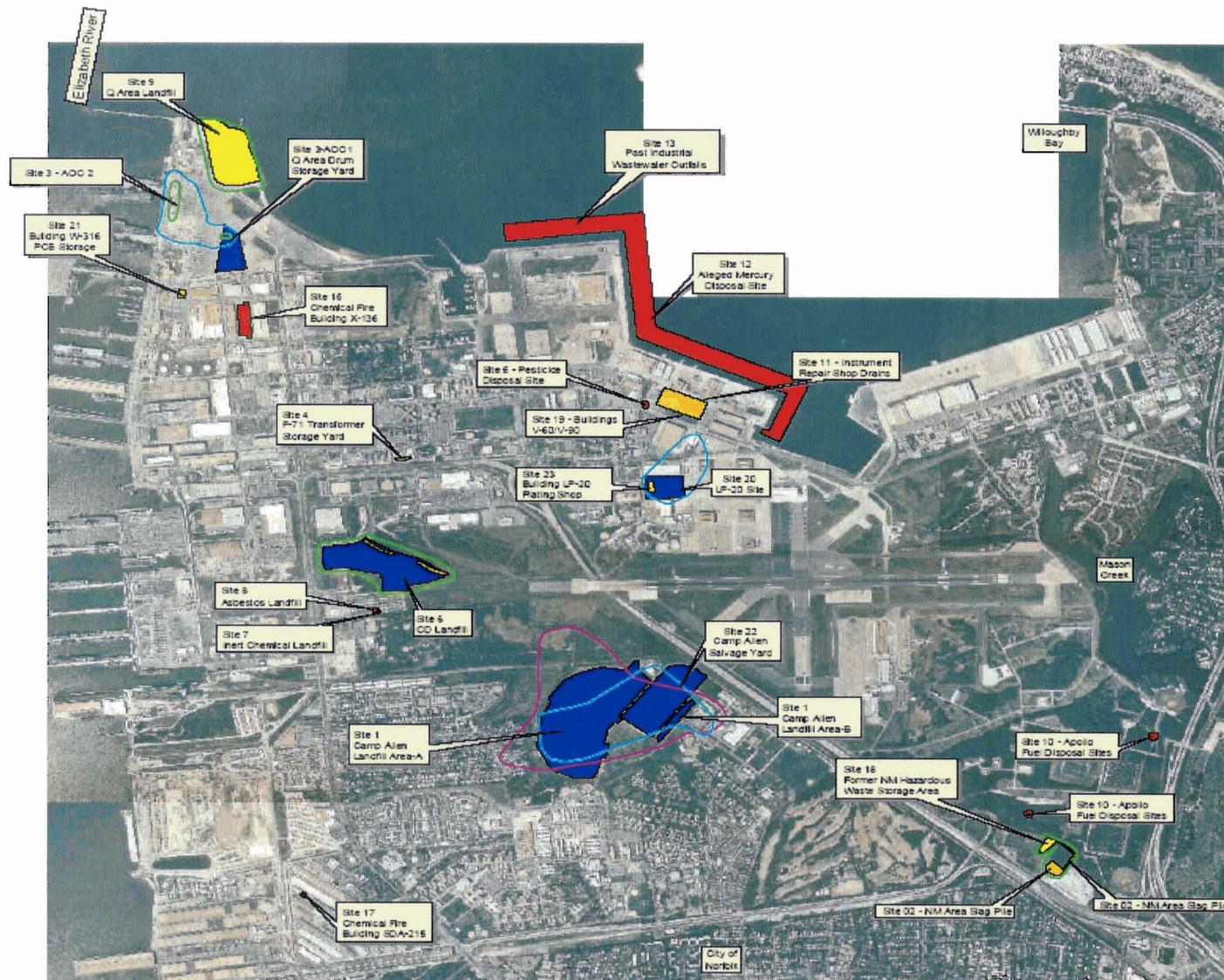
- Winoma Johnson, NAVFAC MIDLANT
- Todd Richardson (transitioning out), USEPA
- Josh Barber (transitioning in), USEPA
- Garwin Eng, VDEQ
- Holly Rosnick and Ben Francisco, CH2MHILL
- Don Joiner, Baker Environmental



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Status of
IR Sites

October
2005



- | | |
|---|---|
| ■ NFA Sites Per FFA Close-out Reports | □ Groundwater Source Area |
| ■ Remedial/Removal Action Complete | □ Deep Aquifer Groundwater Plume |
| ■ Remedial/Removal Action in Progress | □ Shallow Aquifer Groundwater Plume |
| ■ Remedial/Site Investigation in Progress | |



Naval Station Norfolk

Status of Solid Waste Management Units (SWMUs)

October 2005



- NFA Sites Per FFA Close-out Reports
- Remedial/Removal Action Complete
- Remedial/Site Investigation in Progress
- Transferred from CERCLA Program



Naval Station Norfolk IR Program

- Significant Accomplishments
 - 18 sites have been closed out through either remediation or Risk Assessment/Closeout reports since 1998
 - Only three sites are remaining in the investigation phase
 - Innovative remediation technologies have included: air sparging, vapor extraction, dual phase extraction, soil stabilization
 - Use of on-site soils at CD Landfill remediation has resulted in savings of over \$300,000
 - Partnering with the regulators has reduced remediation costs by over \$3M and reduced the cleanup time by over 3 years



Project Status

Naval Station Norfolk



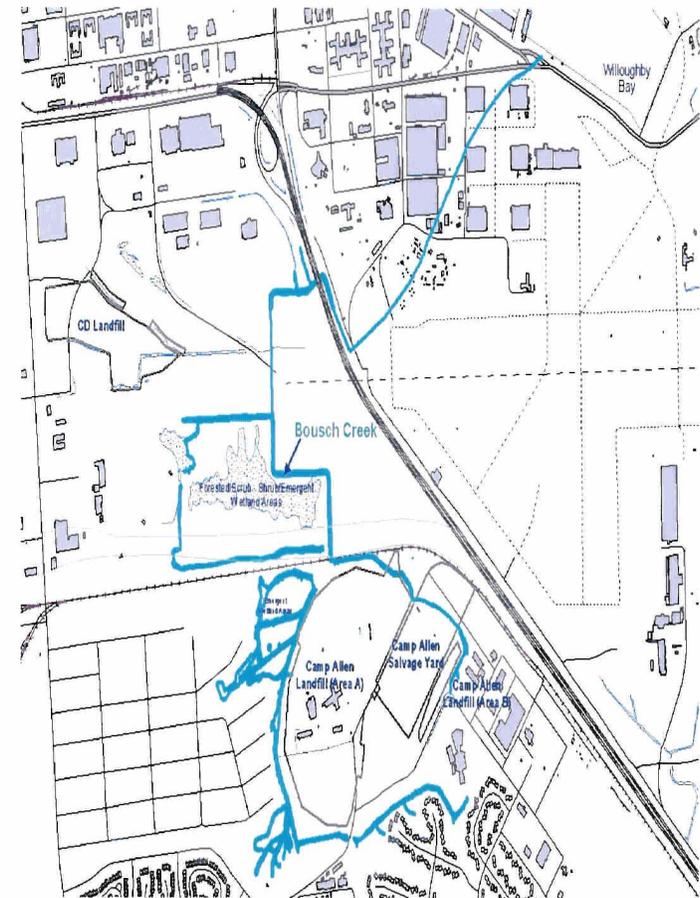
Project Status

- Bousch Creek
- Solid Waste Management Unit (SWMU) 14 (waste accumulation area)
- IRP Site 18 (former drum storage yard)
- IRP Site 23 (former plating shop)



Bousch Creek Ecological Risk

- Bousch Creek flows through NSN adjacent to Camp Allen Landfill, Camp Allen Salvage Yard, and CD Landfill
- Creek channeled and flows through underground culverts for part of its length
- 29 outfalls discharge directly to Bousch Creek
- Stormwater can carry contaminants from the landfills and salvage yard to the creek
- Ecological Risk Assessment evaluated risks to wildlife exposed to the creek
- Preparing Final Bousch Creek Ecological Risk Assessment Report





SWMU 14

Q-50 Satellite Accumulation Area

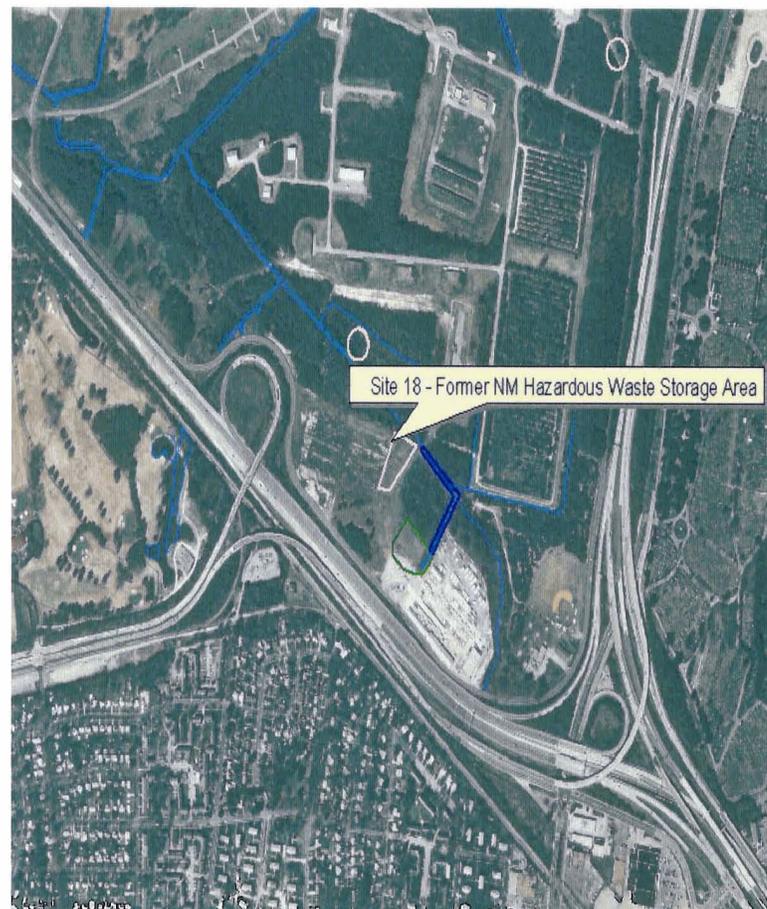
- SWMU 14 & Site 9 are co-located
- Site 9 landfill operated from 1974 to 1978 to dispose of construction debris
- These filling activities formed much of Sewell's Point peninsula
- SWMU 14 consisted of a concrete storage pad constructed on top of the Site 9 landfill
- The pad served as a 90-day accumulation area where wastes were processed before shipping for disposal
- Pad has since been removed
- Planning additional Ecological investigation activities





Site 18

- Open unpaved yard used for drum storage from 1975-1979
- Drums contained hazardous waste
 - waste oil
 - metal plating solutions and sludges
 - chlorinated organic acids
 - paint stripping solutions
- Some waste oil and hazardous wastes were spilled
- Volatile organic compounds detected in groundwater
- Currently undergoing additional investigation to further delineate a groundwater hot spot





Site 23

- Site 23 is within Building LP-20 and currently used as a motor pool and office space
- Plating Shop, currently not used, contains 7 process pits previously used for cleaning, stripping, and plating of engine parts
- Drainage system collected wastewater from pits and conveyed it to the Industrial Wastewater Treatment Plant
- In August 2002, DEQ approved Navy request to transfer the Plating Shop from RCRA to CERCLA
- Investigation activities completed and Engineering Evaluation/Cost Analysis (EECA) report being finalized





Community Involvement Opportunities

Naval Station Norfolk



Public Participation Opportunities in the Environmental Restoration Program

■ Administrative Record

- Document available for public inspection

■ Public Notices

- Published in local newspapers to announce public comment periods on documents, public meetings, etc.

■ Fact Sheets

- Distributed to share more detailed information about activities that are planned or completed

■ Public Meetings

- Held to share information and invite questions or comments

■ Restoration Advisory Board (RAB)

- Meets regularly to discuss ongoing cleanup issues
- Vital link between community and cleanup decision-makers
- Prefer diverse membership
- RAB meetings are open to the general public



Community Involvement Opportunities

- The Administrative Record is available at:
Kirn Memorial library
301 East City Hall Avenue
Norfolk, VA 23510
- Hours of operation are:
 - Monday-Thursday from 10:00 am to 9:00 pm
 - Friday from 10:00 am to 5:30 pm
 - Saturday from 1:00 pm to 5:00 pm
- Next RAB Meeting: November 1, 2006



Community Involvement Contacts

Ms. Winoma Johnson

(757) 444-3418

**Attention: Remedial Project Manager
NAVFAC MIDLANT**

**Code EV3, Building N-26, Room 3208
9742 Maryland Avenue
Norfolk, VA 23511-3095**

Mrs. Terri Davis

(757) 322-2576

**Attention: Public Affairs Officer,
Commander Navy Region**

**Naval Station Norfolk
1530 Gilbert Street, Suite 200
Norfolk, VA 23511-2722**

Mr. Josh Barber

(215) 814-3394 ³³⁴³

**Remedial Project Manager
USEPA, Region III (3HS11)**

**1650 Arch Street
Philadelphia, PA 19103**

Mr. Garwin Eng

(804) 698-4131

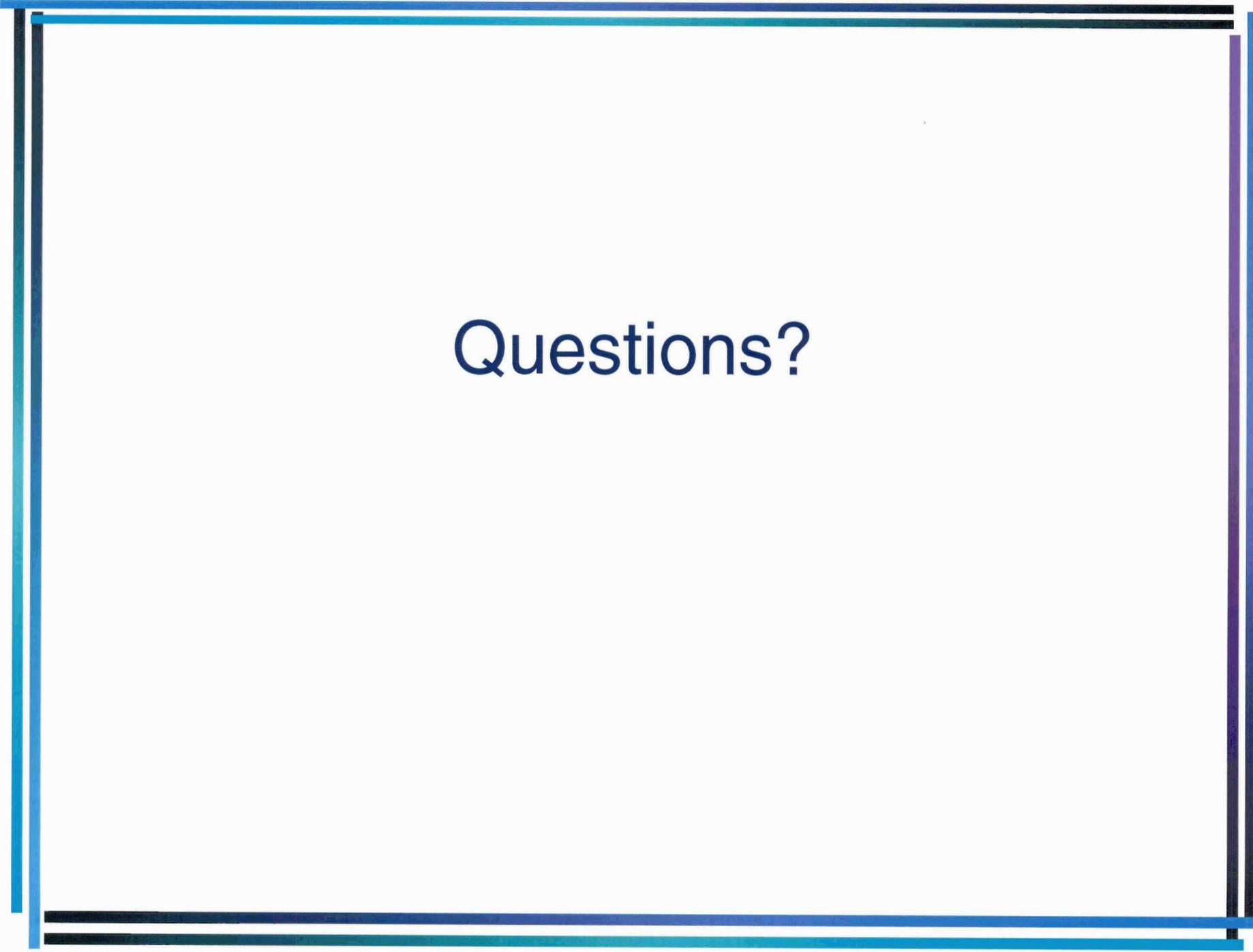
**Virginia Dept. of Environmental Quality
Federal Facilities Program**

**629 East Main Street, 4th Floor
Richmond, VA 23240-0009**



Closing and Announcements

Naval Station Norfolk



Questions?