



Restoration Advisory Board Meeting - 8 November 2005

Naval Station Norfolk Installation Restoration Program

11/8/05 - 01568



RAB Meeting Agenda

Topic	Speaker
Welcome & Introduction	Winoma Johnson NAVFAC MIDLANT
Opportunities for Public Participation	Ginny Farris CH2M HILL
Status of IR Program	Holly Rosnick CH2M HILL
Project Status	Holly Rosnick CH2M HILL
Closing Remarks and Announcements	Winoma Johnson NAVFAC MIDLANT



Naval Station Norfolk





Opportunities for Public Participation in the Environmental Restoration Program

Naval Station Norfolk



Public Participation Opportunities in the Environmental Restoration Program

- **The local community includes:**
 - Onsite workers
 - Nearby residents
 - Local government officials
 - Environmental groups
 - Managers of adjacent parks
 - People with knowledge of local history
- **Why should the community be involved?**
 - Potentially affected by cleanup decisions
 - Should have input into the decision process
 - Offer diverse interests, priorities and perspectives
 - Can help identify possible issues that should be considered



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



Restoration Advisory Board (RAB)

- **Community members, regulators and Navy**
 - Works best with no more than about 20 members
- **Facilitates community participation in environmental cleanup decisions**
 - Partnership working for efficient and effective cleanup
 - Two-way communication between the Navy and stakeholders
 - Reviews plans and reports, provides advice on cleanup issues
 - Identifies projects for Technical Assistance for Public Participation (TAPP) funding, if needed for full community understanding and participation
- **Requires *sufficient* and *sustained* community interest in the environmental restoration program**
 - RABs are most successful when they keep the focus on cleanup issues



Restoration Advisory Board (RAB)

- **Should represent different stakeholder groups:**
 - Local residents
 - Business community
 - Representatives of the installation
 - Regulatory agencies: Virginia Department of Environmental Quality (VDEQ), United States Environmental Protection Agency (USEPA)
 - Environmental groups
 - Other interested parties



Restoration Advisory Board (RAB)

- **RABs complement, *but don't replace*, other public involvement activities, such as:**
 - Public meetings
 - Fact sheets
 - Local information repositories
 - Soliciting public comments on documents
- **Frequency of RAB meetings depends on level of community interest and preference of RAB members**
 - At least once or twice a year
 - Quarterly or monthly when activity or community interest is high



RAB History at Naval Station Norfolk

- **Active from 1994 to present**

- Smaller Technical Review Committee was established in 1989 and became a RAB in 1994
- The last RAB meeting was in May of 2005

- **RAB meets semi-annually in May and November**

- **Today, the Installation Restoration program is in a RAB recruitment phase**

- Would like to increase community involvement in the RAB



Establishing a RAB

- **Recruit RAB members**
 - Inform the community about the purpose of a RAB, opportunities, responsibilities, and expectations for membership
 - Distribute application forms to local community members
- **Select members**
 - Review applications
 - If more than 20, a selection panel will recommend membership
 - Goal is to achieve diversity and balance
- **Charter the RAB**
 - RAB members elect a Community Co-Chair
 - RAB members develop mission, goals, and operating procedures
 - Navy can provide training (informal or formal - workshops, briefings, site tours) and background material to RAB members



Responsibilities of RAB Members

- **Navy Facility Co-Chair:**
 - Ensure that the RAB has the opportunity to participate in the decision process
 - Ensure that community concerns are considered
 - Provide copies of documents to RAB members
 - Make documents available to general public in local library
 - Refer non-restoration issues to the appropriate Navy official
 - Report meeting proceedings to the Navy
- **Community Co-Chair:**
 - Coordinate with Navy Co-Chair to prepare RAB meeting agendas
 - Ensure that community members participate openly and constructively
 - Help get information out to general public
 - Report meeting proceedings to the community



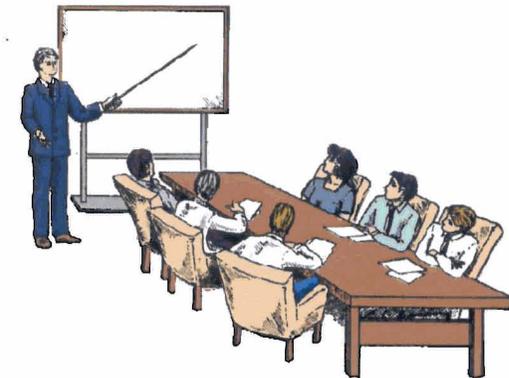
Responsibilities of RAB Members

- **RAB community members:**
 - Attend RAB meetings
 - Provide advice and comment on restoration issues
 - Communicate public interests and concerns to the Navy
 - Help inform the community about the restoration program
 - Review, evaluate and comment on documents
- **Agency members from EPA and DEQ:**
 - Attend RAB meetings
 - Serve as information and referral resource for communities
 - Review documents and ensure that state and federal environmental standards and regulations are addressed
 - Help educate RAB members



RAB Members Wanted!

- If you are interested in membership, please take a RAB application and:
 - Fill it out and hand it in before you leave, OR
 - Mail it or fax it back to us
 - **If you do not fill it in before you leave, please sign up on the RAB Interest List, so we can follow up with you**
- **Please pass the word to others**
 - Feel free to take applications for other people you know who might be interested





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. Todd Richardson

(215) 814-5264

**Remedial Project Manager
USEPA, Region III (3HS13)**

**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**



Status of 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 where clean up is required
 - 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

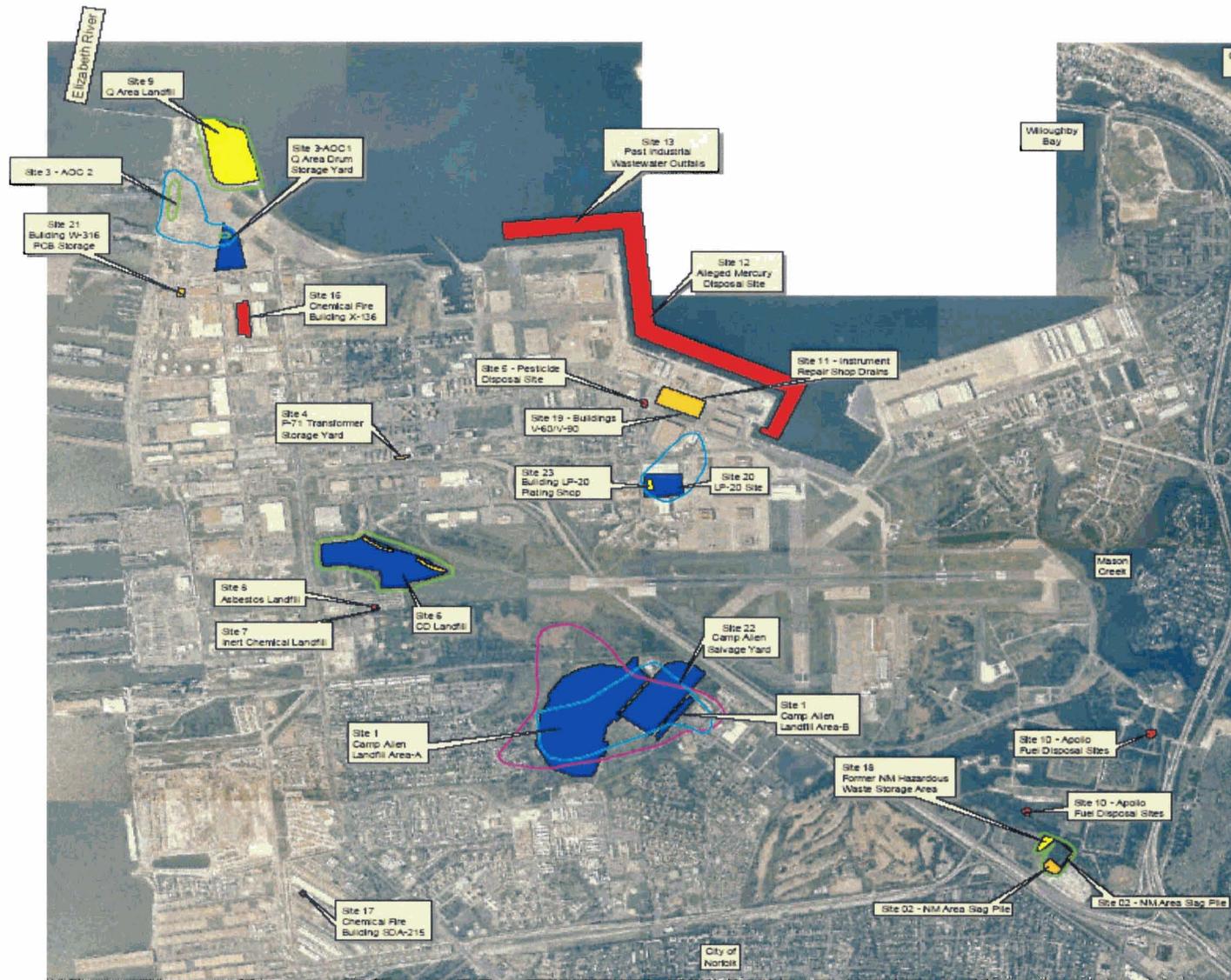
- Winoma Johnson, NAVFAC MIDLANT
- Todd Richardson, USEPA
- Garwin Eng, VDEQ
- Holly Rosnick and Ben Francisco, CH2MHILL
- Don Joiner, Baker Environmental



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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



FY 2006 Goals

- Complete 2005 Long -Term Monitoring Report for Four Sites
- Complete Annual Post-Closure Monitoring Report for CD Landfill
- Update 2006 Site Management Plan
- Update Long-Term Monitoring Plans
- Prepare Ecological Risk Assessment (Step 7) for Bousch Creek
- Prepare Site Investigation Report for Site 18 (former drum storage yard)



FY 2006 Goals (continued)

- Prepare Engineering Evaluation and Cost Analysis for Site 23 (former plating shop)
- Complete Ecological Risk Assessment (Step 4) Work Plan for SWMU 14 (waste accumulation area)
- Evaluate Site 3 (drum storage yard) monitoring data to determine if objective of closeout strategy has been met



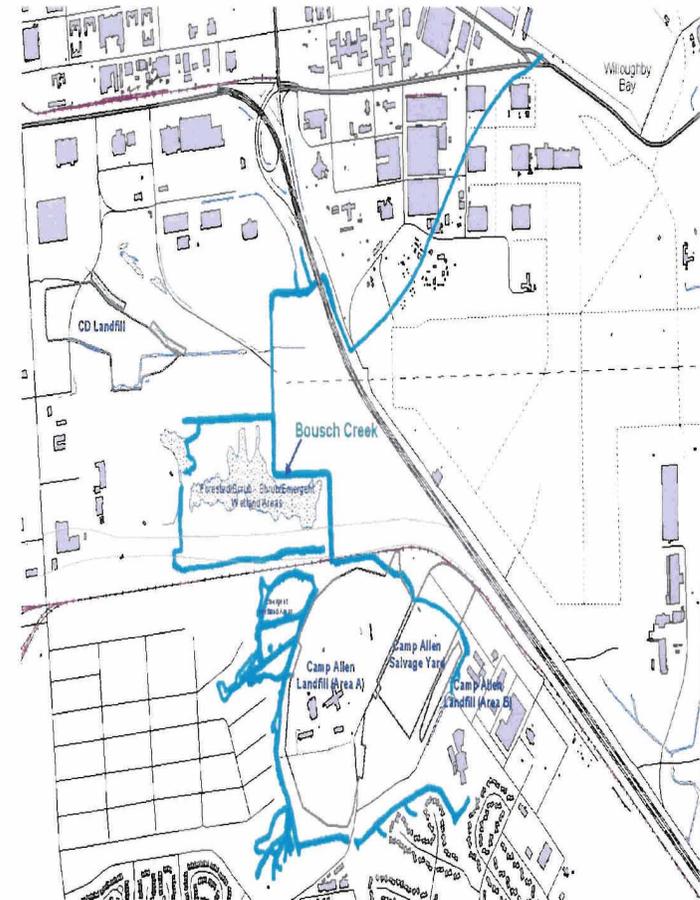
Project Status

- 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 is a creek system that flows through NSN adjacent to Camp Allen Landfill (CALF), Camp Allen Salvage Yard (CASY), and CD Landfill
- Creek has been channelized and flows through underground culverts over part of its length
- 29 outfalls discharge directly to Bousch Creek
- Stormwater could carry contaminants from the landfills and salvage yard to the creek
- Ecological Risk Assessment evaluated contaminant levels and the risk to wildlife that could be exposed via the creek
- Draft Bousch Creek Ecological Risk Assessment Report currently being reviewed by Partnering Team





SWMU 14

Q-50 Satellite Accumulation Area

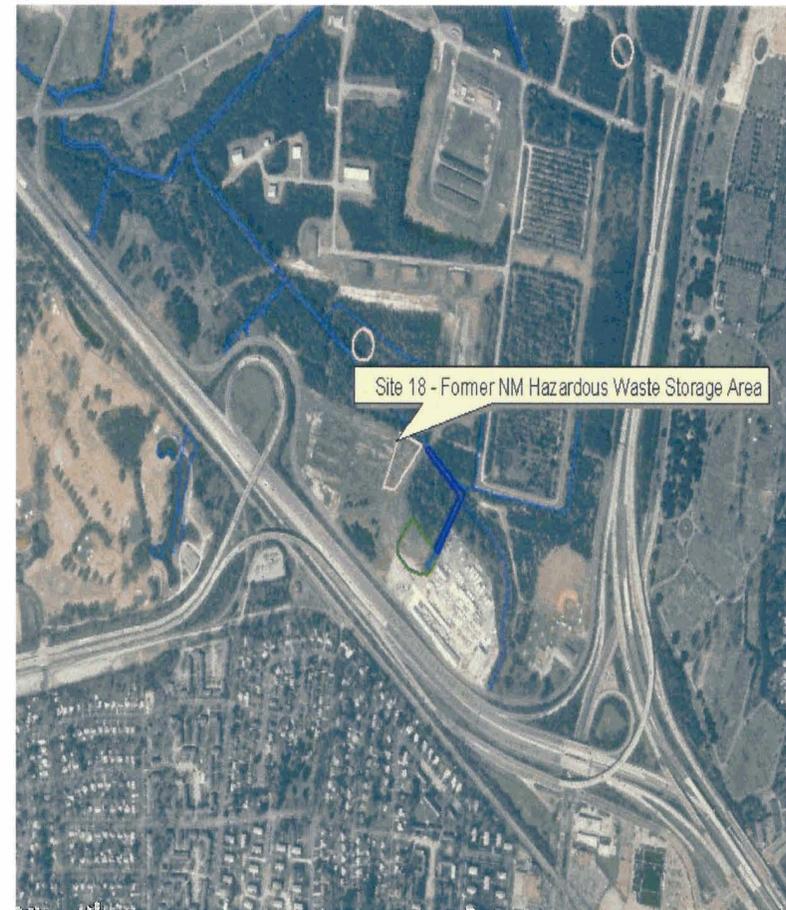
- SWMU 14 and Site 9 are co-located
- Site 9 landfill operated from 1974 to 1978 to dispose of construction debris
- These filling activities formed much of Sewell's Point peninsula
- SWMU 14 consisted of a concrete storage pad that was constructed on top of the Site 9 landfill
- The pad served as a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





Site 18

- Open unpaved yard that was used to store drums from 1975-1979
- Drums contained hazardous waste
 - waste oil
 - metal plating solutions and sludges
 - chlorinated organic acids, and
 - paint stripping solutions
- Some waste oil and hazardous wastes were spilled
- Volatile organic compounds (VOCs) were found in groundwater
- Currently, undergoing additional investigation activities to further delineate the specific area where groundwater is affected





Site 23

- Site 23 is contained within Building LP-20
 - Currently used as a motor pool and office space
- Plating Shop is currently not used
- Plating Shop contains 7 process pits previously used for cleaning, stripping, and plating of engine parts
- Drainage system for collected wastewater from pits and delivered 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 have been completed and SI report currently being reviewed by Team





Closing and Announcements

Naval Station Norfolk



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: May 9, 2006

Questions?

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