



Environmental Restoration Program

Former Naval Weapons Station Seal Beach Detachment Concord Inland Area Fact Sheet

February 2009

<http://www.bracpmo.navy.mil/>

INTRODUCTION

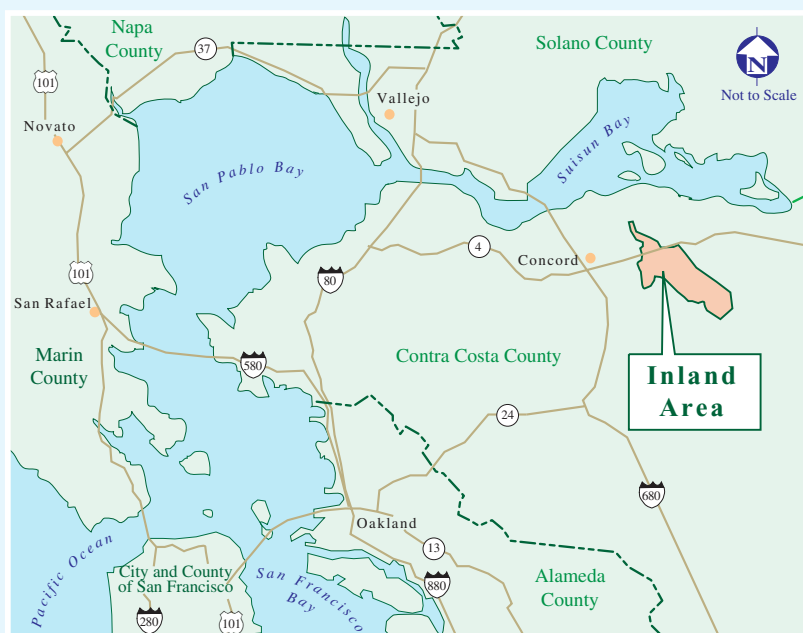
This fact sheet provides an update on the environmental restoration activities in the Inland Area of the former Naval Weapons Station Seal Beach Detachment Concord (NAVWPNSTA Concord). Specifically, information is provided on the status of the environmental sites in the Installation Restoration (IR) Program and Military Munitions Response Program (MMRP), points of contact, and opportunities for public involvement in the Department of the Navy's (Navy) Inland Area Environmental Restoration (ER) Program.

GENERAL HISTORY OF THE BASE

NAVWPNSTA Concord is located in north-central Contra Costa County, in Concord, California. Throughout its history and into the 1990s, Concord was a major port for naval munitions trans-shipment and storage. Historically, NAVWPNSTA Concord consisted of two primary areas separated by the Los Medanos Hills: the Inland Area, which is about 5,200 acres and the Tidal Area, which is about 7,700 acres. The focus of this fact sheet is the Inland Area, which was used primarily for ammunition storage, but also included facilities for maintenance, administration,

and housing. The majority of the Inland Area was acquired by the Navy in 1944, when the Navy's operations in the Tidal Area necessitated more storage and administration capacity.

In 1999, the Inland Area was placed in a reduced operational status. In November 2005, the Defense Base Realignment and Closure (BRAC) Commission recommended that the Inland Area of NAVWPNSTA Concord, with the exceptions noted below, be operationally closed and eventually transferred from federal ownership. Additionally, as of September 30, 2008, on the recommendation of the BRAC Commission, the Tidal Area and approximately 115 acres of the Inland Area were transferred from the Navy to the Department of the Army to remain an active Army installation. As a result of federal screening efforts, two existing housing areas, located on approximately 59 acres in the Inland Area, were transferred from the Navy to the U.S. Coast Guard in 2007.



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CERCLA PROGRAM

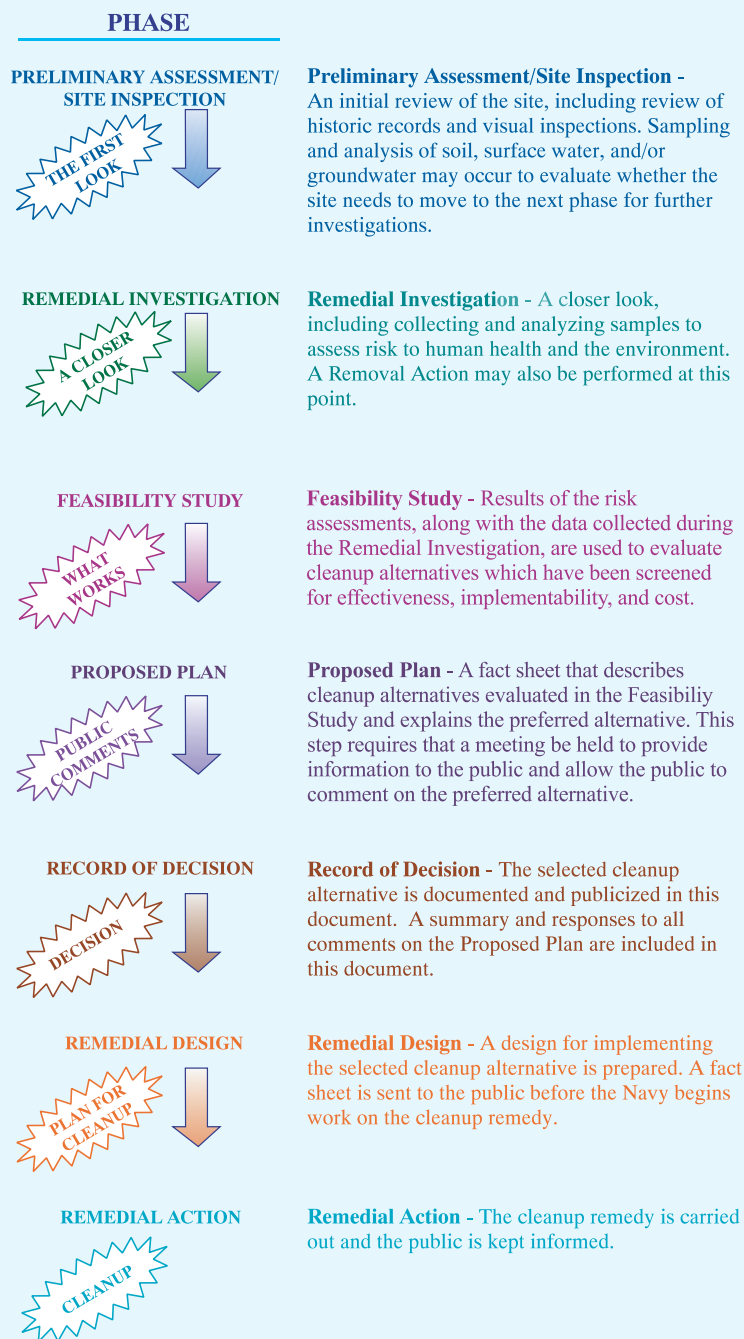
In response to environmental impacts resulting from past hazardous-waste handling and disposal practices, in 1980 Congress directed the U.S. Environmental Protection Agency (U.S. EPA) to develop a program to manage and control past disposal and spill sites. This program is known as the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the 1986 Superfund Amendments and Reauthorization Act (SARA), and is commonly referred to as "Superfund." These laws established a phased process for the investigation and restoration of hazardous waste disposal and spill sites nationwide. A schematic of the CERCLA process is shown on the right.

NAVY ENVIRONMENTAL RESTORATION PROGRAM

The Navy's ER Program consists of two main programs: the IR Program and the MMRP. The IR Program is specific to military facilities; its purpose is to identify, investigate, and environmentally restore sites containing hazardous substances to reduce the risk to human health and the environment.

The MMRP addresses environmental health and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents. Incidental to hazardous waste remediation, a limited number of hazards associated with military munitions (such as training grenades used at the Site 24A Pistol Range) were previously addressed under the IR Program. The Navy created the MMRP to more thoroughly address potential hazards remaining from its past use of military munitions.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) is a law containing requirements for environmental investigation and restoration





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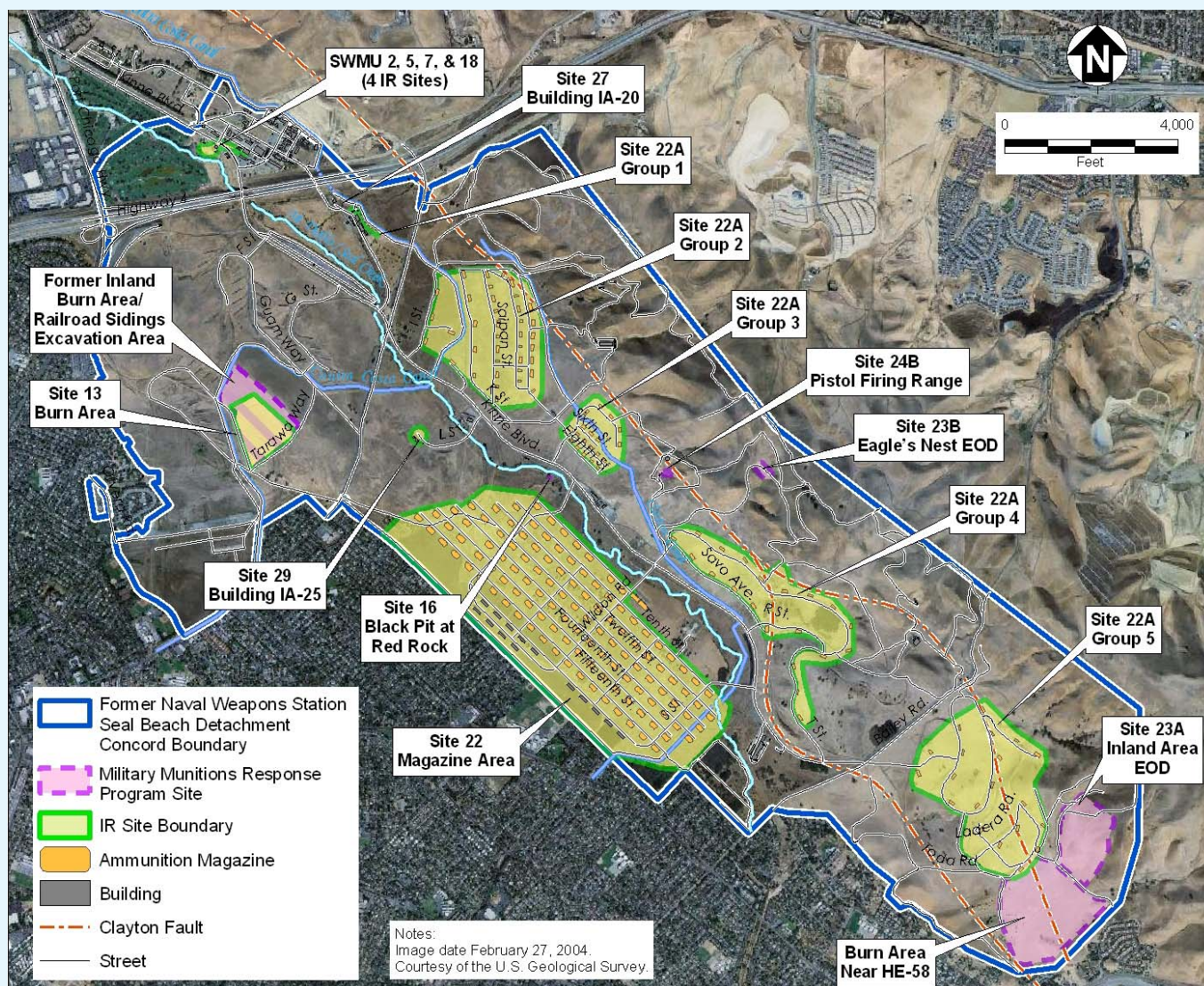
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Inland Area Environmental Restoration Program

The IR Program at NAVWPNSTA Concord began in 1983 with an Initial Assessment Study (IAS) to collect and evaluate information on past base operation. The IAS indicated that contaminants may have been released to soil, sediment, and/or groundwater. The Navy has identified 21 IR sites at the NAVWPNSTA Concord Inland Area; eight of these sites have been closed, eight sites are currently being investigated under the IR Program, and five sites

have been transferred to the MMRP. The site description table of Installation Restoration Sites on the next page presents the designation of each site, its former use, types of contaminants, and current status. With the exception of the fire station at Solid Waste Management Unit (SWMU) 2, none of the sites are currently used. The map below shows the location of ER Program sites which are currently being investigated.

Former Naval Weapon Station Seal Beach Detachment Inland Area Sites





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Site Description Table - Installation Restoration Sites

Current Installation Restoration Program Sites	Contaminants of Potential Concern	Current Status
SWMUs 2, 5, 7 and 18* Industrial complex, includes locomotive steam cleaning and maintenance, paint shop, and a fire station	Solvents, petroleum hydrocarbons in groundwater	A feasibility study which evaluated remedial alternatives was finalized in Spring 2008. A proposed plan has been issued for public review from October 7 through November 6, 2008.
Site 13 Former Inland Burn Area Used for open-burn destruction of ordnance items	Metals, flares napalm, propellants	IR Program investigations completed in 2006. MMRP Site Investigation (SI) is currently being conducted.
Site 14 Kinne Boulevard Wells Abandoned groundwater supply wells	Fuel oil	Site Closed No further action (NFA) recommended in 1996 letter.
Site 15 Railroad Classification Yard	Methyl bromide and shell casings	Site Closed NFA recommended in 1983 Initial Assessment Study.
Site 16 Black Pit at Red Rock Small discolored pit	Metals, solvents	IR Program investigation completed in 1996. MMRP SI is currently being conducted.
Site 17 Building IA-24 Forklift maintenance and storage	Metals, fuel	Site Closed NFA, Record of Decision (ROD) signed by U.S. EPA on 9/30/05.
Site 18 Building IA-25 Potential burn pit and solvent disposal area	Paints, solvents	Site Closed NFA recommended in 1983 Initial Assessment Study. The EPA has requested an assessment of suspect waste disposal pits which are an Area of Potential Interest (AOPI).
Site 19 Seal Creek Disposal Area Debris and rubble disposal area near creek	Asphalt, construction debris, material washed in from off base	Site Closed IR Program investigation completed in 1994. 2007 Final MMRP Preliminary Assessment (PA) recommended NFA.
Site 20 Old homestead at Seal Creek Area used for disposal by ranchers prior to Navy property ownership	Household wastes such as cans, coffee pots, bed pans; no hazardous wastes identified	Site Closed NFA recommended in 1983 Initial Assessment Study.
Site 21 Building 97 Fuel Tanks Four underground storage tanks for rocket fuel storage	Rocket fuel	Site Closed Site was transferred to the Underground Storage Tank Program and all four tanks were closed by Contra Costa County. The EPA is requesting the Navy to assess Building 97 as an AOPI.
Site 22 Main Magazine Area Munitions storage bunkers	Arsenic in shallow soil	A Remedial Investigation Report was completed in February 2007. A Feasibility Study was finalized in November 2008. A proposed plan will be available for public review in August 2009.



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Current Installation Restoration Program Sites	Contaminants of Potential Concern	Current Status
Site 22A Group 1-5 Magazine Areas Munitions storage bunkers	Arsenic in soil	Remedial Investigation completed in January 2008. A Final Remedial Investigation Report is being prepared for Site 22A after addressing comments to the Draft Remedial Investigation Report dated September 19, 2008.
Site 23A Inland Area Explosive Ordnance Disposal (EOD) Area used as an explosive destruction range	Explosives	IR Program investigation completed in 1993. MMRP supplemental PA has been conducted, and a Draft Supplemental PA was released on July 10, 2008.
Site 23B Eagles Nest EOD Area used as an explosive destruction range	Explosives, metals	IR Program investigation completed in 1993. MMRP SI is currently being conducted. A Final SI Work Plan was issued on April 29, 2008.
Site 24A Pistol Firing Range Small arms and practice grenade launching range	Lead, explosives	Active firing range until 2005. MMRP SI WP is currently being prepared. SI activities will be conducted after the Final Work Plan is issued. A Draft Final SI Work Plan was issued on September 30, 2008.
Site 24B Bore Sighting Range	Lead, explosives	Site Closed IR Program investigation completed in 1993. 2007 Final MMRP PA recommended NFA.
Site 27 Buildings IA-20 and IA-36 Chemical laboratory and materials testing building and boiler house	Lead, mercury, and PCBs in soil	A Time-Critical Removal Action (TCRA) was performed in October 2008 to remove contaminated soils. A Removal Action Completion report will be submitted in Spring 2009. A Final Action Memorandum was issued on September 3, 2008.
Site 29 Building IA-25 Used for manufacture and testing of explosives	Metals, solvents, paints, explosives	Soil and groundwater investigations were initiated in May 2007 and continued through 2009. A revised Remedial Investigation Report will be issued when investigations are complete. A Final Supplemental Remedial Investigation Work Plan was issued on May 25, 2007.

Notes:

AOPJ Area of Potential Interest
 BRAC Base Realignment and Closure
 Cal/EPA State of California Environmental Protection Agency
 CERCLA Comprehensive Environmental Response
 DTSC Department of Toxic Substances Control
 EOD Explosive Ordnance Disposal
 ER Environmental Restoration
 IAS Initial Assessment Study
 IR Installation Restoration
 MMRP Military Munitions Response Program
 NFA No Further Action
 PA Preliminary Assessment
 RI Remedial Investigation

ROD Record of Decision
 SARA Superfund Amendments and Reauthorization Act
 SI Site Inspection
 SWMU Solid Waste Management Unit
 TCRA Time-Critical Removal Action
 U.S. EPA U.S. Environmental Protection Agency
 * SWMUs 2, 5, 7, and 18 are four separate IR sites
 Sites 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 25, 26, 28, 30, and 31 are in the Tidal Area portion of the base, now owned by the U.S. Army.



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INLAND AREA MILITARY MUNITIONS RESPONSE PROGRAM

The MMRP at NAVWPNSTA Concord was initiated in May 2003. The Navy has identified eleven MMRP sites in the Inland Area, and in August 2007 finalized a Preliminary Assessment (PA) on ten of those sites. The Navy is

currently conducting Site Inspections (SI) on several sites recommended for further evaluation in the PA. The table below presents a summary of each of the current MMRP sites.

Site Description Table - Military Munitions Response Program Sites

MMRP Site(s)	Suspected Former Uses	Current Status
Dredge Fill and Borrow Area	A dredge fill and borrow area	Site Closed 2007 Final MMRP PA recommended NFA.
Former Inland Burn Area / Railroad Siding Excavation Area (IR Site 13)	Trenches used as a burn area for destroying flares, smoke chemicals, thermite grenades, small arms ammunition, pyrotechnic and explosive powders	2007 Final MMRP PA recommended further assessment. An SI is currently being conducted.
Red Rock Disposal Area	Trash and debris disposal at Red Rock Disposal Area	Site Closed 2007 Final MMRP PA recommended NFA.
Black Pit at Red Rock (IR Site 16)	Open burning of munitions at Black Pit at Red Rock	2007 Final MMRP PA recommended further assessment. An SI is currently being conducted.
Burn Area near HE-5	Training; burning of bulk propellants, explosives, pyrotechnics, small arms, and grenades	2007 Final MMRP PA recommended further assessment. An SI is being conducted.
Disposal Area-Seal Creek (IR Site 19)	Disposal of trash and debris	Site Closed 2007 Final MMRP PA recommended NFA.
Inland Area EOD (IR Site 23A)	Open detonation of munitions	A 2008 Supplemental PA recommended Site Inspection. An SI will be conducted after the Navy issues a Final Work Plan.
Eagle's Nest EOD (IR Site 23B)	Open detonation of munitions, including bulk propellants and explosives, pyrotechnics, small arms, and grenades	2007 Final MMRP PA recommended further assessment. An SI is being conducted.
Pistol Firing Range (IR Site 24A)	Small arms and grenade firing range	An SI is currently underway.
Bore Sighting Range (IR Site 24B)	Aircraft target range	Site Closed 2007 Final MMRP PA recommended NFA.

Notes:

EOD	Explosive Ordnance Disposal	NFA	No Further Action
IR	Installation Restoration	PA	Preliminary Assessment
MMRP	Military Munitions Response Program	SI	Site Inspection



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Environmental Restoration Accomplishments

IR Site 22 Feasibility Study – Main Magazine Area

The Main Magazine Area (also known as IR Site 22) contains 116 concrete structures (magazines) that were used by the Navy to store munitions. In the mid-1940s, vegetation on and around the magazines was sprayed with an arsenic-containing herbicide to reduce fire risk. The Navy is in the process of evaluating remedial alternatives in a Feasibility Study for the Main Magazine Area. Each different remedial alternative is considered based on its potential effectiveness in protecting both human and ecological health. A cleanup strategy will be selected based on nine criteria, including: overall protection of human health and the environment, compliance with regulatory requirements, long-term effectiveness and permanence, reduction of toxicity, mobility or volume, short-term effectiveness, implementability, cost, and state and community acceptance. The Feasibility Study is available for public review in the information repository located in the Concord Public Library, and was scheduled to be finalized in November 2008.

IR Site 22A - Groups 1-5 Magazine Areas

The Groups 1-5 Magazine Areas (also known as Site 22A) is a 504-acre area that contains 102 concrete structures (magazines) in five subareas that were used by the Navy to store munitions. In the mid-1940s, vegetation on and around the Groups 2 – 5 Magazine Areas was sprayed with an arsenic-containing herbicide to reduce fire risk. Investigations to date have shown no evidence of arsenic spraying in the Group 1 Magazine Area. The Navy issued a draft Remedial Investigation on Sept. 19, 2008 to describe the nature and extent of arsenic in site soils, and to evaluate potential risks to human health and the environment from arsenic in soils. The Remedial Investigation is available for public review in the information repository located in the Concord Public Library, and is scheduled to be finalized by March 2009.

IR Site 27 Time-Critical Removal Action

The Navy is currently conducting a Time-Critical Removal Action (TCRA) at Site 27. Prior site investigations indicated that lead, mercury, and PCBs were present in the soil at levels that could pose a potential risk to wildlife. Based on these investigations, the Navy initiated a TCRA in October 2008. Under the TCRA, the Navy will excavate contaminated soil around the perimeter of Buildings IA-20 and IA-36, collect samples to confirm that contaminants have been removed as appropriate, backfill the excavated area with clean soil, and dispose of contaminated soil at an approved, off-site disposal facility. The results of the TCRA will be summarized in a Removal Action Summary Report planned for submittal in Spring 2009.

IR Site 29 Groundwater Investigation

Site 29 is located within the south-central portion of the Inland Area, where Building IA 25 was constructed in 1945. The building was used for pilot-scale development of munitions, and by the late 1970s had been renovated for munitions reworking. Building 263 was constructed adjacent to Building IA-20 in 1973 for use as a breakdown cell for munitions. Previous investigations have shown that site groundwater is contaminated with chlorinated solvents and soils are contaminated with lead. In May 2007, a Work Plan was approved that described field investigation work needed to characterize the nature and extent of site-related contamination, evaluate potential human health and ecological risk associated with site contaminants, and collect site information for analysis of potential remedial alternatives. Soil and groundwater investigations were initiated in May 2007 and continued through August 2008. The Conceptual Site Model (CSM) was updated, identifying additional data gaps in the investigation, and plans are being made to collect additional data. The Navy presented results of the 2007 – 2008 sampling in a Technical Memorandum issued in June 2008. A revised Remedial Investigation Report is planned for submittal after ongoing investigations are completed.

Munitions Response Program Site Inspection Field Work

During Spring and Summer 2008, the Navy performed Site Inspection field work at five MRP sites, including the Eagles Nest EOD, Former Inland Burn Area/Railroad Siding Excavation Area, the Burn Area near HE-5, and Black Pit at Red Rock.



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Unexploded ordnance experts and geophysicists performed surveys and collected soil samples to locate and characterize any residual debris that could be in soils from munitions of explosive concern. All field work was performed in accordance with a Work Plan that was finalized in Spring 2008. Results will be summarized in a Site Inspection report planned for submittal in January 2009.

Solid Waste Management Units (SWMUs) 2, 5, 7, and 18

An open meeting was held at the Concord Senior Center on October 22, 2008, to receive public comment on the Navy's Proposed Plan for Solid Waste Management Units (SWMUs) 2, 5, 7, and 18. The Navy's plan proposes to remediate chlorinated solvents at SWMUs 2, 5, 7, and 18 by treating affected groundwater with air sparging and enhanced bioremediation, and by removing contaminants from soil gas using soil-vapor extraction. At the meeting, BRAC environmental coordinator Darren Newton and remedial project manager Charles Perry provided an overview of the CERCLA process, the proposed plan, and the public comment process. Public comments were collected at the meeting and throughout the public comment period between October 7, 2008 and November 6, 2008.

COMMUNITY INVOLVEMENT

The Navy is committed to keeping the community informed of the ER Program activities at the NAVWPNSTA Concord Inland Area by implementing a community involvement program.

The goals of this program are threefold: (1) to provide information about the Navy ER Program for the Inland Area to members of the public, (2) to maintain an ongoing dialogue with the public, and (3) to solicit feedback during key parts of the investigation and environmental restoration process. The program must meet certain objectives outlined in CERCLA; therefore, federal and state guidance documents are used to guide the Navy's efforts. The community plays an important role in the success of the Navy's ER Program by providing valuable input to the environmental team.

The Navy updated the Community Involvement Plan (CIP) in 2007. The purpose of the CIP is to outline methods to ensure the local community (1) has access to technical information about Navy ER Program activities, and (2) has early and meaningful input into investigation and restoration activities. The CIP identifies and describes the ways the Navy will provide information to residents and interested parties, and the ways the public can raise issues and concerns to the Navy. In addition, the CIP provides background information about the base, environmental sites, local community, past community involvement activities, and regulatory requirements, and summarizes recently conducted community interviews.

WHAT IS THE NAVWPNSTA CONCORD INLAND AREA RESTORATION ADVISORY BOARD (RAB)?

The RAB is composed of community members, Navy representatives, regulatory agency representatives, City of Concord representatives, and other stakeholders who reflect the diverse interests of those living and working on or near the former base. The RAB is a forum for two-way communication among all interested parties, providing an opportunity to participate in the ER Program at NAVWPNSTA Concord. RAB members are involved in the following activities:

- ✓ Exchanging information and concerns between the Navy and the local community regarding environmental restoration
- ✓ Providing input on environmental cleanup issues
- ✓ Reviewing, evaluating, and commenting on environmental cleanup documents
- ✓ Sharing information from RAB meetings with neighbors and fellow stakeholder groups



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cont.

Community members interested in finding out more about the RAB are encouraged to contact the Inland Area Navy BRAC Environmental Coordinator, at (619) 532-0900 and to attend meetings of the RAB, usually held on the first Wednesday of every other month at the Concord Police Department Community Room at 1350 Galindo Street in Concord, California, 94520. RAB meeting notices are published in the Concord Transcript, Pleasant Hill and Martinez Record, Contra Costa Sun, Contra Costa Times, Martinez News Gazette, and The San Francisco Chronicle Datebook in the "public meeting" section or a "community bulletin board" section during the week just prior to the meeting. Future RAB meetings are scheduled for February 4, April 1, and June 3, 2009.

Where Can I Find More Information on the NAVWPNSTA Concord Inland Area Cleanup?

Technical reports, RAB meeting minutes, newsletters, fact sheets, public meeting announcements, and other environmental response information on the NAVWPNSTA Concord Inland Area are available for public review at:

Navy information repository located at the Concord Public Library Government Records Section

2900 Salvio Street
Concord, CA 94519
Phone: (925) 646-5455
Call for library hours

Navy Administrative Records Center Naval Facilities Engineering Command Southwest

Ms. Diane Silva
CERCLA Administrative Records Coordinator
Administrative Records Office, Code: ENV.DS
1220 Pacific Highway
San Diego, CA 92132
Phone: (619) 532-3676
Administrative Records Center Hours:
Monday through Friday: 7:30 a.m. to 3:30 p.m.

For information on the
NAVWPNSTA Concord Inland Area program, see:
<http://www.bracpmo.navy.mil>

NAVWPNSTA Concord Inland Area Contact Information

If you would like more information on the Inland Area IR Program or the RAB, or if you would like to be added to our mailing list, please contact:

Navy BRAC Environmental Coordinator

Department of the Navy
Base Realignment and Closure Program Management Office West
1455 Frazee Road, Suite 900
San Diego, CA 92108-4310
(619) 532-0900



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PARTNERS IN THE CLEANUP PROCESS

The NAVWPNSTA Concord Remedial Project Managers (RPMs) are representatives of the Department of the Navy, U.S. EPA, State of California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC), and the Cal/EPA San Francisco Bay Regional Water Quality Control Board (Water Board). The primary role of the RPMs is to participate in the planning and selection of response actions, which include information review, project consultation, and remedial decision-making.

Charles Perry

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afriedman@waterboards.ca.gov



RESTORATION ADVISORY BOARD MEMBERSHIP APPLICATION

The Navy maintains a Restoration Advisory Board (RAB) for NAVWPNSTA Concord. Community members interested in the RAB are encouraged to return their completed application to:

BRAC PMO West
NAVWPNSTA Concord Inland Area
BRAC Environmental Coordinator
1455 Frazee Road, Suite 900
San Diego, California 92108-4310

Conditions for Membership:

- Priority will be given to local residents.
- RAB members are expected to serve a two-year term and attend all RAB meetings or designate an alternate. Members who miss four or more consecutive meetings may be asked to resign.
- Duties and responsibilities may include reviewing and commenting on technical documents and activities associated with the environmental restoration at NAVWPNSTA Concord.
- Members will be expected to be available to other community members and groups to facilitate the exchange of information and/or concerns between the community and the RAB.



For more information visit the NAVWPNSTA Concord Website:
<http://www.bracpmo.navy.mil/brac2005/bracbases/ca/concord/default.aspx>

Name _____

Address _____

Street

Apt No.

City

Zip Code

Phone: () _____ Fax: () _____ E-mail: _____

Briefly state why you would like to be considered for membership on the Restoration Advisory Board:

What has been your experience, if any, working as a member of a diverse group with common goals?

Briefly summarize any experience you have that pertains to environmental issues: (optional)

By signing this application, you willingly agree to work cooperatively with the other RAB members to ensure the effective use of RAB resources in contributing to the environmental cleanup of Former Naval Weapons Station Seal Beach Detachment Concord Inland Area.

Applicant Signature

Date



Attn: Carolyn Hunter
Community Involvement Specialist, Tetra Tech EMI
1999 Harrison Street, Suite 500
Oakland, CA 94612