

**MEETING MINUTES
RESTORATION ADVISORY BOARD
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD
CONCORD, CALIFORNIA
AUGUST 3, 2005**

These minutes reflect general issues raised, agreements reached, and action items identified at the Restoration Advisory Board (RAB) meeting for Naval Weapons Station Seal Beach Detachment Concord (Detachment Concord), California. The meeting was held from 6:30 p.m. to 8:30 p.m. on August 3, 2005, at the Concord Police Department Community Room in Concord, California. Agreements and action items are described by topic under Sections I through V and are summarized in Section VI. A list of participants and their affiliations is included as Attachment A, and the meeting agenda is included as Attachment B.

I. WELCOME, INTRODUCTIONS, PUBLIC COMMENT, AND AGENDA APPROVAL

Welcome and Introductions

The RAB Community Co-chair, Mary Lou Williams (Concord resident), called the RAB meeting to order and initiated a round of introductions for attendees.

Public Comments

Ms. Williams opened the floor to public comments. No public comments were offered.

September 2005 RAB Agenda Approval

Steve Tyahla (Navy co-chair alternate for Margaret Wallerstein [Navy]) reviewed the proposed agenda for the RAB meeting on September 7, 2005, which will take place at the Concord Police Department Community Meeting Room in Concord, California. Gregg Smith (Navy) and David Cooper (U.S. Environmental Protection Agency [EPA]) plan to provide a presentation on the RAB's roles and responsibilities. Phillip Ramsey (EPA) said that RAB training on roles and responsibility from April 2002 could be reviewed for additional information. Gregory Glaser (Danville resident) requested that the Navy provide a presentation on the Site 22 sampling and analysis plan (SAP) during the September 2005 RAB meeting. Mr. Tyahla said that the draft final Site 22 SAP will be distributed on September 6, 2005 and it would be difficult for the RAB to review it before the meeting the next day. Mr. Tyahla added that a presentation on the draft Site 22 SAP was provided at the June 2005 RAB meeting and that the public review period for the draft SAP was completed on July 11, 2005. Mr. Tyahla said that the RAB should contact him via e-mail or phone if questions arose while the RAB reviewed the draft final Site 22 SAP. Mr. Tyahla asked the RAB to approve the September 2005 agenda. The RAB approved the agenda.

Igor Skaredoff (Martinez resident) said that the document tracking sheet distributed during the RAB meeting did not capture his comments that he provided to the Navy. Mr. Tyahla agreed to review his files to make sure he received Mr. Skaredoff's comments and to revise the document tracking sheet before the next RAB meeting as necessary.

Action Item

1. Mr. Tyahla agreed to review his files to make sure he received Mr. Skaredoff's comments and to

revise the document tracking sheet before the next RAB meeting. (Action was completed on August 4, 2005)

Site Tour Update

Mr. Tyahla said that the Navy, as discussed at the July 2005 RAB meeting, would like to schedule a RAB site tour in September 2005, depending on the RAB's availability on Saturdays and Sundays. The RAB scheduled a tentative date for a site tour on Sunday, September 18, 2005, beginning at 12:30 p.m. The Navy agreed to contact Kevin Cornish (Lafayette resident) and Jessica Hamburger (Contra Costa Resource Conservation District) to ask whether they are available on September 18, 2005 for a RAB site tour. Once availability is confirmed, the Navy will e-mail the RAB with the date of the upcoming site tour and any relevant details.

Action Item

2. The Navy agreed to e-mail Mr. Cornish and Ms. Hamburger to ask whether they are available for a site tour on September 18, 2005. Once their availability is confirmed, the Navy will e-mail the RAB with the date of the site tour. (Navy sent e-mail on August 12th, Mr. Cornish has confirmed in the affirmative.)

II. JULY RAB MEETING MINUTES APPROVAL

Mr. Tyahla asked the RAB for comments on the minutes from the meeting on July 6, 2005. Ms. Williams said that she had a few editorial comments that she would e-mail to Carolyn Hunter (Tetra Tech EMI [TtEMI]). Once Ms. Williams' comments are received, the Navy will finalize the RAB meeting minutes for July 6, 2005.

Action Item

3. Once Ms. Williams' comments are received, the Navy will complete and distribute the final RAB meeting minutes for July 7, 2005.

III. COMMITTEE REPORTS AND ANNOUNCEMENTS

Ms. Williams opened the floor to committee reports and announcements.

Mario Menesini (Walnut Creek resident) announced that the next Environmental Alliance meeting will take place on at 12:00 p.m. August 15, 2005, at the John Muir Home in Martinez, California.

IV. REMEDIAL PROJECT MANAGERS (RPM) UPDATE

Navy Update

Mr. Tyahla reviewed the Navy RPM update (Attachment C). Mr. Tyahla reviewed the sampling efforts at the Litigation and Tidal Areas that occurred in July 2005. Mr. Tyahla announced that the RPMs went on a site visit on July 12, 2005. The group first went to the Litigation Area to view tissue samples collected under the Litigation Area monitoring plan, and then went to Site 31 to review proposed sampling locations. In the afternoon, the group toured the military munitions response program (MMRP) sites. The Navy is currently conducting an MMRP preliminary assessment (PA), which will be available for agency and public review in September 2005.

Mr. Skaredoff asked about the types of sampling efforts the Navy is conducting in the Litigation Area. Mr. Tyahla said that samples are currently being collected for the monitoring plan and for the treatability study. Samples being collected under these two programs include sediment, surface water, groundwater, and tissue.

San Francisco Bay Regional Water Quality Control Board (Water Board) Update

Laurent Meillier (Water Board) reviewed the Water Board RPM update (Attachment C).

Mr. Meillier said that the Water Board attended all of the monthly RPM meetings in July 2005. He said that the Water Board is offering on-line training courses that the RAB members can attend if they are interested.

Mr. Meillier said that he met with Ms. Hamburger to discuss the status of all of the Detachment Concord sites.

EPA Update

Mr. Ramsey summarized the activities and correspondence EPA provided during July 2005.

Mr. Ramsey said that EPA submitted a letter to the Navy on the Site Management Plan (SMP) on July 13, 2005. EPA requested that the Navy include site activities that will occur after records of decision in the SMP to aid in future budget planning. Mr. Menesini asked about the components of the Navy's budget planning process. Mr. Ramsey said that the Navy funds projects with Environmental Restoration, Navy (ER,N) money. Mr. Glaser asked if the public has access to the Navy's budget information. Mr. Tyahla suggested that Mr. Glaser review the federal facilities agreement (FFA) schedule, which will help address his budget questions. Mr. Glaser said that he would like to make sure that enough future funding is available to continue work at Detachment Concord.

Mr. Skaredoff asked what tangible progress has been made at Detachment Concord with all of the cleanup the Navy reports during the RAB meetings. Mr. Skaredoff expressed concern that he finds it difficult to show physical progress at Detachment Concord when he discusses the site with the public. Mr. Tyahla explained that as an NPL site with an FFA, the Navy is tied to the Superfund or CERCLA process and said that the Navy is moving closer to remediation on sites because many are at the proposed plan and ROD phases.

Mr. Ramsey said that EPA provided the Navy with comments on the Site 22 draft SAP on July 14, 2005. EPA is recommending that the Navy collect additional samples in Mount Diablo/Seal Creek.

Mr. Ramsey said that EPA provided the Navy with comments on the Litigation Area preliminary remediation goals technical memorandum on July 21, 2005.

Department of Toxic Substances Control (DTSC) Update

Jim Pinasco (DTSC) said that he attended the RPM site tour on July 12, 2005. Mr. Pinasco also said that he attended the Site 31 meeting on July 25, 2005, as well as the monthly RPM meeting on July 26, 2005.

Mr. Pinasco said that he provided the Navy with comments from the Department of Fish and Game on the Site 22 draft SAP.

David Griffith (Martinez resident) said that after he reviewed the document tracking sheets he understands how it can take so long for work to get done at the sites as a result of the lengthy comment periods. Mr. Tyahla said that each additional step in cleanup of a site prolongs the process. In the case cited by Mr. Griffith, Mr. Tyahla said a treatability study was an added step between the draft and draft final documents.

Ms. Williams said that some activities occurred on site that did not take much time to implement. For example, the Navy took action and fenced the area to protect the community within a short period at Remedial Action Subsite (RASS) 4, when motorcyclists were trespassing on the property.

Laura Hoffmeister (City of Concord mayor) said that throughout the years that she has visited the RAB, she has seen progress, including expanding the areas the Navy is examining and considering a variety of options for cleanup alternatives at the base. Ms. Hoffmeister said that she was happy to see that the community is taking an active role in providing the Navy with regular feedback on the cleanup process.

V. SITE 30 DRAFT ACTION MEMORANDUM PRESENTATION

Stan Ali (TtEMI) provided an overview of the Site 30 draft action memorandum. The presentation is included as Attachment D.

Bill Shinn (City of Concord Council member) asked about the community response the Navy has received on cleanup of Site 30. Mr. Tyahla said that the Site 30 engineering evaluation/cost analysis was submitted for public review in April 2005. The Navy placed a public notice announcing that the Site 30 EE/CA was available for review in the *Contra Costa Times* and received minimal community input. Mr. Shinn also asked if more than one removal action could take place at the same time. Mr. Tyahla responded in the affirmative.

Lisa Anich (Friends of Mount Diablo Creek) asked about the depth of debris at Site 30. Mr. Ali said that the debris is located in the top 3 to 4 feet of soil.

Mr. Griffith asked if the Navy was concerned with a contaminant plume in groundwater at the site. Mr. Ali said that, based on data contained in the remedial investigation (RI) and RI addendum, the Navy does not believe contamination is currently affecting groundwater since the debris appears to be in the first 4 feet of soil. Mr. Ali also reiterated that one of the recommendations for the removal action is that it take place during the summer to minimize any potential impacts to groundwater.

VII. NEXT MEETING AND ACTION ITEMS

The next RAB meeting is scheduled for 6:30 to 8:30 p.m. on Wednesday, September 7, 2005, at the Concord Police Department Community Meeting Room in Concord, California.

The following action items and agreements were generated during the RAB meeting on August 3, 2005:

No.	Action Item	Target Date for Completion	Completion Date (or Status)
1	The Navy agreed to e-mail Mr. Cornish and Ms. Hamburger to ask whether they are available for a site tour on September 18, 2005. Once their availability is confirmed, the Navy will e-mail the RAB with the date of the site tour.	9/7/05	9/7/05
2	Mr. Tyahla agreed to review his e-mail to make sure he received Mr. Skaredoff's comments and to revise the document tracking sheet prior to the next RAB meeting.	9/7/05	This action item has been completed.
3	Once Ms. Williams' comments are received, the Navy will distribute the final RAB meeting minutes for July 7, 2005.	9/7/05	9/15/05

ATTACHMENT A

**ATTENDEES AND AFFILIATIONS
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

AUGUST 3, 2005
(One Page)

**ATTENDEES AND AFFILIATIONS
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

AUGUST 3, 2005

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Wayne Akiyama	Shaw Environmental, Inc.	(925) 288-2003
Lisa Anich*	Friends of Mount Diablo Creek	(925) 689-2642
Beth Byrne	Concord Resident	(925) 686-4815
Harry Byrne	Concord Resident	(925) 686-4815
David Cooper	EPA	(415) 972-3237
Dwayne Dalman*	City of Concord	(925) 671-3048
Gregory Glaser*	Danville Resident	(925) 363-5570
David Griffith*	Martinez Resident	(925) 671-3381
Laura Hoffmeister	Mayor of the City of Concord	(925) 671-3158
Carolyn Hunter	TtEMI	(415) 222-8297
Laurent Meillier	Water Board	(510) 622-2440
Mario Menesini*	Walnut Creek Resident	(925) 935-1168
Jim Pinasco	DTSC	(916) 255-3719
Phillip Ramsey	EPA	(415) 972-3006
Anne Rickelman	Kleinfelder	(925) 427-6477
Cindi Rose	TtEMI	(415) 222-8286
Bill Shinn	City of Concord Council Member	(925) 671-3158
Igor Skaredoff*	Martinez Resident	(925) 229-1371
Steve Tyahla	IPT West	(650) 746-7451
Mary Lou Williams*	RAB Community Co-chair	(925) 685-1415

Notes:

EPA	U.S. Environmental Protection Agency
DTSC	California Department of Toxic Substances Control
IPT West	U.S. Navy Integrated Project Team West, NAVFAC SW
RAB	Restoration Advisory Board
Water Board	San Francisco Bay Regional Water Quality Control Board
*	Community RAB Member

ATTACHMENT B

AGENDA

**RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

AUGUST 3, 2005

(One Page)

AGENDA

NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD RESTORATION ADVISORY BOARD MEETING

Wednesday, August 3, 2005

6:30 p.m. – 8:30 p.m.

Concord Police Department Community Room
1350 Galindo Street
Concord, CA 94520

- 6:30 – 6:40 Call to Order
- Welcome
 - Introductions
 - Public Comments
 - September Agenda Approval
- Lead: Community Co-chair
- 6:40 – 6:50 Approval of July 6, 2005 Meeting Minutes
Review Unresolved Business
Lead: Navy Co-chair
- 6:50 - 7:30 Committee Reports/Announcements
- RAB Announcements, Reports or other business
 - Remedial Project Managers' Update (Navy/EPA/DTSC/RWQCB)
- 7:30 – 7:40 Break
- 7:40 – 8:30 Site 30 Draft Action Memo
- 8:30 Adjourn

ATTACHMENT C

**NAVY AND SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL
BOARD REMEDIAL PROJECT MANAGER'S UPDATE
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

AUGUST 3, 2005
(4 Pages)



***Navy RPM Update for August 3, 2005 meeting of
Naval Weapons Station Seal Beach Detachment Concord
Restoration Advisory Board (RAB)***

Prepared by Steve Tyahla, Navy Lead Remedial Project Manager

- Summary of Navy Remedial Project Manager (RPM) Activities since the last RAB Meeting held on Wednesday, July 6, 2005.
 - **July 12-** The Navy hosted a site visit to the Litigation Area, Site 31, and the Munitions Response Program (MRP) Areas of Concern (AOCs) for the regulatory agencies. Attending the site visit were representatives from the U.S. Environmental Protection Agency (EPA), California Department of Toxic Substances Control (DTSC), San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), and California Department of Fish and Game (DFG). [This was a few site visits packed into a single day; one hot day. The visit to the Litigation Area was to observe the types of food items (prey) being collected as part of the Monitoring Plan for the Litigation Area. This particular sampling is aimed at filling a data gap in the ecological risk assessment regarding exposures to the California Black Rail and is being conducted under the “Final Monitoring Plan for the Litigation Area” dated October 13, 2004. The visit to Site 31 was to allow the agencies to observe the site conditions as they prepared to meet with the Navy on July 25th to discuss the Navy’s Draft Final Remedial Investigation Work Plan for the site which the EPA had placed into “informal dispute.” The visit to the MRP AOCs was at the request of the EPA. The Preliminary Assessment for the eleven MRP AOCs is being prepared. The RAB will be briefed on this program in the future.]
 - **July 25-** The Navy met with the project managers from the EPA, DTSC, and SFBRWQCB to discuss the Navy’s “Draft Final Work Plan for the Site 31 Remedial Investigation, Naval Weapons Station Seal Beach, Detachment Concord” dated May 31, 2005. (The EPA invoked “informal dispute” regarding this work plan in their letter of June 24, 2005. The issues in dispute were effectively resolved during that meeting and the Navy is in the process of preparing a Final RI Work Plan for Site 31.)
 - **July 26-** The Navy met with the project managers from the EPA, DTSC, and SFBRWQCB. [This was our regular monthly meeting.]
 - **August 3-** The Navy issued a letter to the EPA providing the Final Meeting Minutes for the June 21, 2005 monthly Remedial Project Managers’ meeting. [These minutes are for the regular monthly project managers’ meeting that is held between the Navy, EPA, DTSC, and SFBRWQCB.]



Alan C. Lloyd Ph.D.
Secretary for
Environmental
Protection

California Regional Water Quality Control Board San Francisco Bay Region

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1515 Clay Street, Suite 1400, Oakland, California 94612
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Arnold Schwarzenegger
Governor

RAB Meeting Update August 3 2005

Laurent Meillier RWQCB

I Meetings Attended

✦ **July 7: Meeting with Jessica Hamburger RAB Member**

- ➔ Water Board staff reviewed sites status at the CNWS with Ms. Hamburger.

✦ **July 12: Site 31 and MMRP Field Visit**

- ➔ Regulatory agencies, consultants and the Navy visited about 8 MMRP AOCs sites located both in the Tidal and the Inland Areas.
- ➔ Site 31 was also inspected for determining the possible location of a production well which might have not been closed appropriately in the 1970's.
- ➔ Water Board staff recommended adding a sampling surface water location (between 5 and SG2) in the immediate vicinity of a wetland found downgradient of the site in seemingly direct linkage with stormwater flow generated within Navy property.

✦ **July 25: Site 31 Teleconference Call**

- ➔ Water Board requested adding the SFB Basin Plan as an ARAR to the Site 31 SAP.
- ➔ The Navy needs to include the groundwater and surface water beneficial uses as stated within the Basin Plan.
- ➔ Water Board staff was not amenable to eliminating 3 sampling locations due to the heterogeneous nature of the spatial distribution of wastes at the site. To effectively delineate semi quantitatively the extent of contaminants in soils at the site, the Navy could use soils analysis field equipment.

- ➔ Water Board staff recommended using ESLs and the SFB Basin Plan Water Quality Objectives as screening concentrations for contaminants detected in both soils and waters.
- ➔ Water Board recommended that the site be scanned using geophysical equipment to determine if other cement pipes (of unknown origins and purpose) were found within the former footprint of the industrial facility. Furthermore, this equipment could be used to derive site lithology.

■ **July 26: Plenary RPM Meeting**

- ➔ The Navy asked the Water Board to further research ARAR review performed by our agency's legal counsel. Due to DTSC's and the Water Board differences in mandates, our agency will reserve their rights to interact directly with the Navy to convey the results of their ARARs review beyond the 30 days deadline recommended by DoD.
- ➔ Water Board staff is concerned by the recent detection of Total mercury in the order of 80 ppm in sediments around the vicinity of the former Wood Hogger site.
- ➔ In the event a ROD is prepared for Site 27, Water Board staff would not currently recommend its signature due to a groundwater data gap and the need to close the UST associated with that building.

■ **July 26: UST RPM Meeting**

- ➔ The Navy stated that the second geophysical anomaly at the PCMSGs site is probably related with the presence of a paved over manhole.
- ➔ Water Board staff recommended that the recently detected UST be promptly excavated to prevent further impacts to groundwater quality. The Navy committed to determine if funding exists for this newly discovered site during the upcoming Federal Fiscal Year. It was decided to name that tank TT21.
- ➔ The Navy requested that the Water Board considers the closure of the tank cluster found downgradient of TT21. Water Board cannot confirm if this site is closable until a closure report is submitted. The Navy will also need to affirm that this site is hydrogeologically independent from the USTs found upgradient.
- ➔ The Navy will submit the electronic database record for the Christenbury pipeline to accompany the closure report recently submitted.

■ **Ongoing: City of Concord**

- ➔ Water Board staff determined that the Water Board would not be amenable to enter on a consent decree with other regulatory agencies and the City of Concord regarding the potential BRAC transfer at the inland area.
- ➔ Water Board staff forwarded to the City an electronic copy of the SCR drafted between our agency, the Navy and the developer (Lennar) naming the later both as dischargers at Mare Island. Water Board staff recommends these types of binding agreements in place of consent decrees. Furthermore, Water Board staff identified other legal transfer instruments such as: Quit Claim Deed for No Cost Economic Development Conveyance Parcel, MOAs and Environmental Covenants that could be useful in the transfer.

II Documents Reviewed/ Correspondence output

- Draft Proposed Plan IR 27
- Draft SAP Additional Investigation Site 22
- Geophysical Investigation PCMSGGS field rept
- RTCs Draft Phase II Direct Push Investigation
- Site 31 SAP
- Upcoming Site 30 Action Memorandum

ATTACHMENT D

**DRAFT SITE 30 ACTION MEMORANDUM PRESENTATION
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

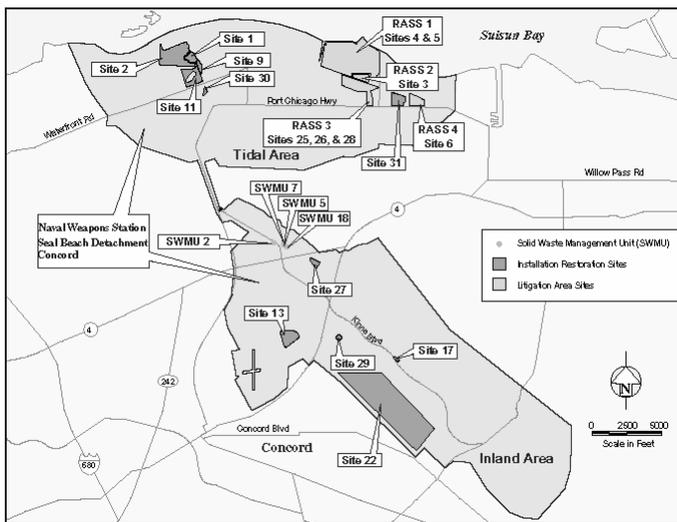
AUGUST 3, 2005

(11 Pages)

Draft Action Memorandum for a Non-Time Critical Removal Action at Site 30

August 3, 2005

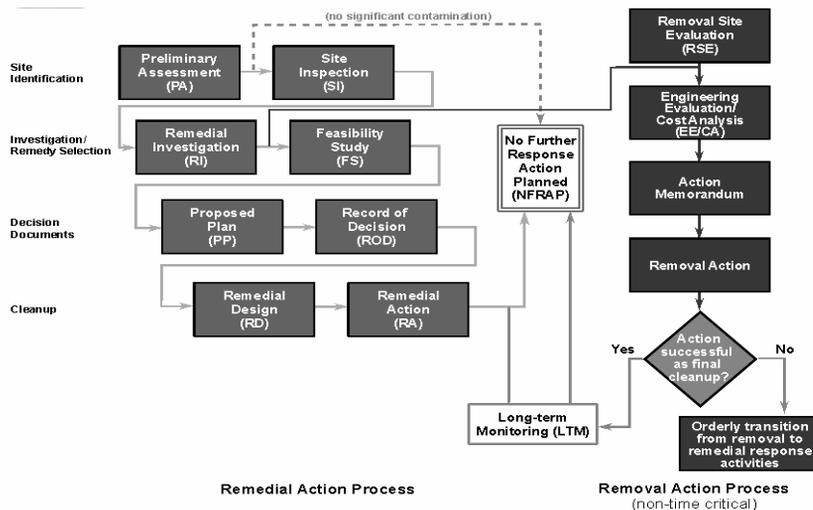
Site Location





1. CERCLA Removal Action Process
2. Purpose of the Action Memorandum
3. Action Memorandum Format and Content
4. Next Steps

CERCLA Removal Action Process





Emergency Removal Action

Initiated within hours after a release or threat of release has been verified

Time Critical Removal Action (TCRA)

A period of 6 months or less exists before on-site removal activities must be initiated

Non-Time Critical Removal Action (NTCRA)

Onsite action can be taken more than 6 months after the planning period begins



- **The primary decision document that substantiates the need for a removal action**
 - Identifies the planned action
 - Explains the rationale for the type of removal action selected
 - Documents that the appropriate process was followed in the selection of the proposed action
- **Approval and signature by the Commanding Officer of the base is required for the final Action Memorandum**

Draft Action Memorandum Content and Format



<u>Section</u>	<u>Topic</u>
I	Purpose
II	Site Conditions and Background
III	Threats to Public Health or Welfare or the Environment
IV	Endangerment Determination
V	Proposed Actions and Estimated Costs
VI	Expected Change Should Action be Delayed
VII	Public Involvement
VIII	Outstanding Policy Issues
IX	Recommendations

Purpose



- **The action memorandum documents selection of the non-time-critical removal action recommended in the Engineering Evaluation/ Cost Analysis for Site 30**



Site Conditions and Background



- Very small wetland (<1 acre)
- Historic non-Navy municipal landfill; date and source of debris unknown
- Identified in late 1995 during Tidal Area remedial investigation
- Designated as an installation restoration site in 1996



Site Conditions and Background (Cont'd)



- Site 30 is triangular and is bordered by Seal Creek Marsh
- Debris (broken glass and ceramic fragments) litters the ground surface at much of the site
- Surface vegetation covers the debris in most areas



--- Approximate Extent of Debris
 Scattered Surface Debris

Site 30 Conditions and Background (Cont'd)



Threats to Public Health and the Environment



- **Based on the conclusions of the RI, concentrations of metals in the debris area pose an unacceptable risk to human health and the environment**

	<u>Max Detect (mg/kg)</u>	<u>PRG (mg/kg)</u>
Arsenic	106	0.39
Cadmium	13.4	37
Copper	12,500	3,100
Lead	7,680	400
Mercury	26.4	6.1
Selenium	11.5	390
Zinc	11,000	23,000

- **Elevated metals have been shown to be collocated with high concentrations of lead**



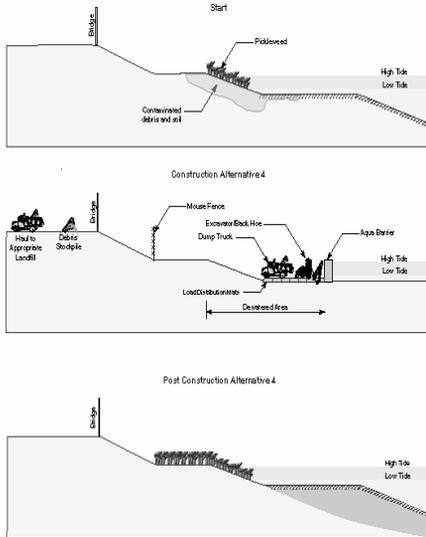
- **Unacceptable risk to human health and the environment from exposure to metals contaminated soil and debris**
- **Except for directly beneath the debris, groundwater is not suspected to have been contaminated (based on data collected during the RI)**
- **Surface water is not suspected to have been contaminated (based on data collected by the Water Board)**
- **Migration of contaminants through air unlikely because the soil and debris is typically covered by vegetation and is not volatile**
- **Fire and explosion are not considered a threat from these materials, based on site history**



- **Alternatives Evaluated in the EE/CA***
 - **Alternative 1: No action**
 - **Alternative 2: Monitoring**
 - **Alternative 3: Excavation, confirmation sampling, on-site disposal, long term monitoring, land use controls, and habitat restoration**
 - **Alternative 4: Excavation, confirmation sampling, off-site disposal, and habitat restoration**

* - EE/CA finalized in March 2005

Proposed Action (cont'd)



- **Tasks 4 and 5 - Mechanical excavation of contaminated soil, sediments, and debris according to the proposed excavation footprint identified, and confirmation sampling.**
- **Task 6 - Off-site disposal of contaminated soil, sediments, and debris at appropriate landfill(s).**
- **Task 7 – Site reconstruction and habitat restoration**

Estimated Costs for Proposed Action



Task	Total Cost (\$)
Excavation	
Pre-excavation sampling	\$6,800
Preliminary/Preconstruction Activities	\$263,700
Excavate debris	\$46,300
Debris preparation and drying	\$101,600
Transportation and Disposal *	
Class I Facility	\$685,700
Class II Facility	\$85,100
Site Restoration	
Backfill material and compaction	\$56,600
Area cleanup and fencing	\$3,500
Greenhouse plants and planting	\$35,000
Annual Pickleweed Inspection	\$2,500
Post Construction Activities	\$13,100
Oversight	\$198,700
Subtotal	\$1,498,600
Contingency (25 %)	<u>\$374,700</u>
Removal Action Total	\$1,873,300

* 70 percent of waste will be disposed of in a Class I facility and 30 percent in a Class II facility

Rationale For Selection of Proposed Action



- **All significant contamination will be excavated, removed, treated, and disposed of properly**
- **Protects human health and the environment**
- **Technical constraints, while challenging, can be dealt with**
- **Does not involve significant administrative constraints and is cost-effective**
- **Done successfully, results in no further action for the site**

Public Involvement



- **The draft action memorandum was released for public and regulatory agency review. Comments received and Navy's responses will be included in the final action memorandum**
- **The public comment period for the EE/CA occurred from April 5 to May 5, 2005. Comments received and Navy's response to those comments are included in the action memorandum**
- **The EE/CA and other documents from the administrative record are available for public review in the information repository at the Concord Public Library**

Next Steps (Per Site Management Plan Dates)



- **September 2, 2005 - Review comments on the draft Action Memo**
- **November 22, 2005 - Final Action Memo signed by base Commanding Officer**
- **February 20, 2006 – Draft Removal Action Design**
- **September 18, 2006 – Final Removal Action Design**
- **February 1, 2007 - August 2, 2007 – Perform removal action**
- **October 1, 2007 – Draft Removal Action Summary Report**
- **January 31, 2008 – Final Removal Action Summary Report**

Questions?

