



TETRA TECH EM INC.

April 27, 2009

Dear RAB Members,

On behalf of the Navy, enclosed please find the February 4, 2009 final RAB meeting minutes for your information and records.

If there are any questions regarding the enclosed minutes, please contact Carolyn Hunter at (510) 302-6297 or Carolyn.hunter@ttemi.com.

Sincerely,

Carolyn Hunter
Community Relations Specialist
Tetra Tech EMI

FINAL
MEETING MINUTES
RESTORATION ADVISORY BOARD
INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM
FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD
CONCORD, CALIFORNIA
FEBRUARY 4, 2009

These minutes reflect general issues raised, agreements reached, and action items identified at the Restoration Advisory Board (RAB) meeting for the Inland Area Environmental Restoration (ER) Program at the Former Naval Weapons Station Seal Beach Detachment Concord (NAVWPNSTA Concord), California. The meeting was held from 6:30 p.m. to 8:50 p.m. on February 4, 2009, at the Concord Police Station in Concord, California. Agreements and action items are described by topic under Sections I through VI and are summarized in Section VII. A list of participants and their affiliations is included as Attachment A, and the meeting agenda is included as Attachment B. Handouts at the meeting also are included as attachments to these minutes.

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.

The Navy Co-Chair, Darren Newton (Department of the Navy, Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]), reviewed the agenda for the meeting on February 4, 2009.

Mr. Newton announced that he is leaving Base Realignment and Closure Program Management Office West for another position in the Navy. Until a new BEC has been selected, John Hill (Base Closure Manager) will be the point of contact for the RAB. He can be reached at (619) 532-0985 or john.m.hill@navy.mil.

Mr. Newton said the Navy received a call from the Concord Library in December 2008. The Concord Library has requested the Navy reduce its need for shelving for the Information Repository (IR). The Navy has been working with the Concord librarian to fulfill the request. The Navy removed the Tidal Area documents from the IR and stored them at Building Inland Area-1 at NAVWPNSTA Concord.

Public Comments

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

II. OCTOBER 2008 RAB MEETING MINUTES APPROVAL

Ms. Williams asked the RAB for comments on minutes from the RAB meeting held on October 1, 2008. No comments were received. The Navy will finalize the minutes and distribute them to the RAB.

Action Item

1. The Navy will finalize and distribute the RAB meeting minutes for October 1, 2008.

III. RAB ANNOUNCEMENTS

Ms. Williams opened the floor to RAB announcements.

Edi Birsan (Concord resident) announced that the City of Concord voted on the reuse plan for Sites 22 and 22A, which includes housing. The reuse plan for the Inland Area will be finalized on February 29, 2009.

Ms. Williams also said that she will not be stepping down as community co-chair. Ms. Williams has freed up her schedule and is interested in remaining as the RAB Community Co-chair.

RAB Open Comment Period

Mr. Birsan said that there was some discussion at a past Community Advisory Committee (CAC) meeting about the Historical Radiological Assessment (HRA) and past practices at NAVWPNSTA Concord. Mr. Birsan provided the Navy contact information on a former worker at Site 22A in special weapons. Mr. Birsan said the Navy contacted the special weapons worker and interviewed him for the HRA.

IV. REMEDIAL PROJECT MANAGERS (RPM) UPDATE

Navy Update

Charles Perry (Navy Lead RPM) discussed a few of the key items on the Navy RPM Update handout (see Attachment C).

Mr. Perry said the Navy prepared a public notice that appeared in the *Contra Costa Times* for the Site 27 time-critical removal action (TCRA) on October 7, 2008. The Navy held a kick off meeting with the regulatory agencies for the Site 27 TCRA work on October 13, 2008, and initial field work was conducted October 14 to 16, 2008.

Mr. Perry said the Navy held a public meeting on the Proposed Plan (PP) for Solid Waste Management Units (SWMU) Sites 2, 5, 7, and 18 on October 22, 2008. Four community members attended the public meeting.

The Navy issued the Draft Final Supplemental Preliminary Assessment (PA) for the Inland Area Explosive Ordnance Disposal (EOD) Site 23A on November 17, 2008. The supplemental PA for EOD Site 23A was finalized on January 20, 2009.

The Navy held a number of meetings with the regulatory agencies to discuss the Munitions Response Program (MRP) sites, the basewide groundwater monitoring program, the Site Characterization and Analysis Penetrometer System (SCAPS) data review, and sampling locations at Site 29.

Mr. Perry said the Navy issued a press release on October 1, 2008, to multiple newspapers in the surrounding areas informing the public that the Navy is seeking information for the HRA.

U.S. Environmental Protection Agency (EPA) Update

Phillip Ramsey (EPA RPM) provided an update on work at the Tidal Area sites. The Army is currently looking for a replacement since Roger Caswell (Army RPM) retired in January 2009. Mr. Ramsey said the regulatory agencies will be working closely with the Army so that the Tidal Area RAB meets on a regular basis.

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

Alan Friedman (Water Board) thanked Mr. Newton for his efforts at NAVWPNSTA Concord.

City of Concord

Michael Wright (City of Concord) announced that the Concord City Council approved the preferred alternatives for reuse of the Inland Area at a meeting on January 12, 2009. The reuse plan and application have been issued to the U.S. Department of Housing and Urban Development (HUD) for approval. HUD has 60 days to review the application. Once HUD reviews the City of Concord's application and reuse plan for the Inland Area, the department will either approve it or provide comments that need to be addressed and resubmitted. The City of Concord is working with a contractor to prepare an Environmental Impact Report (EIR) for the Inland Area. The Draft EIR will be released for public review in the May or June 2009 timeframe.

Mr. Ramsey asked if the Navy has the opportunity to comment on the City of Concord's reuse plan. Mr. Newton said that once HUD reviews and approves the reuse alternatives, the Navy will identify the disposal practices of the Inland Area and prepare National Environmental Policy Act (NEPA) documentation. The Navy has been developing a flexible record of decision to better accommodate reuse plans.

Mr. Wright said the CAC is no longer meeting on a regular basis since the reuse plan has been completed. Zoning and planning for the Inland Area will now be managed by the City of Concord. Mr. Ramsey said that the CAC members may be interested in joining the RAB now that their role for drafting the reuse plan has been completed. Mr. Birsan said that he has made many announcements at CAC meetings that the RAB is looking for new members. Mr. Wright said the City of Concord has assembled a mailing list for the CAC participants the RAB can use.

V. ENVIRONMENTAL RESTORATION PROGRAM 2008 REVIEW/2009 GOALS

Mr. Newton presented the environmental restoration program 2008 review and 2009 goals for the update on NAVWPNSTA Concord (Attachment D).

Mr. Birsan said that there is flooding in the southwest region of Site 13 and asked if the Navy has installed a groundwater monitoring well in that area. Mr. Newton said there are groundwater monitoring wells in that area the Navy uses to monitor groundwater downgradient of Site 13.

Mr. Birsan asked if the Draft HRA will contain information on the six unknown bunkers where he requested information. Mr. Newton said the Navy has received Mr. Birsan's comments and is taking them into consideration in preparing the Draft HRA. Mr. Birsan said that the Navy should ensure the Commanding Officer of NAVWPNSTA Concord is interviewed for the HRA to determine if atomic weapons were kept in the Inland Area. Mr. Newton said the Naval Radiological Affairs Support Office will be invited to discuss the details for the Draft HRA with the RAB at the meeting on April 1, 2009.

Igor Skaredoff (Martinez resident) asked about the removal at Site 22. Mr. Perry said that soils with elevated levels of pesticides will be removed from Site 22. Mr. Birsan said that the arsenic background concentrations of 10 and 7 milligrams per kilogram for the soil are inconsistent in different reports. Joanna Canepa (Tetra Tech) said that there are two distinct background data sets for arsenic that are represented by different soils geology that have been developed for Inland Area.

Mr. Ramsey said that the Navy's TCRA at Site 27 has become a larger project than was originally anticipated. The Navy is still working toward no further action closure of Site 27.

Mr. Birsan said that the Concord Fire Department is considering a training facility at SWMU Sites 2, 5, 7, and 18. Mr. Newton confirmed he received a request from the Concord Fire Department for space at SWMU Sites 2, 5, 7, and 18 for a training facility during the PP public meeting on October 22, 2008.

Mr. Ramsey asked for a status update on the Site 24A Site Inspection/Work Plan (SI/WP). Mr. Perry said the Navy received comments from EPA on collecting deeper soil samples. The Navy is reevaluating the sample depth and needed to obtain an explosive safety submittal waiver from the Naval Office of Safety and Security Activity (NOSSA) before the Final Site 24A SI/WP can be issued.

Ms. Williams asked if the Navy has obtained funding to move forward on the site work for the Inland Area. Mr. Newton confirmed the Navy has obtained the funding for fiscal year 2009 and has submitted the budget request for 2010. Mr. Newton said the Navy is identifying the program that will fund the Area of Potential Interest (AOPI) sites. The Navy will select either the Installation Restoration Program or Military Response Program for the future AOPI work.

VI. SITE 22 UPDATE

Daniel Silveira (Navy RPM) presented the Site 22 update. The presentation is included as Attachment E.

Mr. Skaredoff asked if there are different alternatives for human health and ecological risks for Site 22. Mr. Ramsey responded there are separate tables for ranking alternatives for human health and ecological risk. Whatever alternative deemed acceptable for Site 22 will need to be protective of both human health and the environment.

Mr. Skaredoff asked about the land use controls (LUCs) for Site 22. Mr. Newton said that the reuse will be restricted to industrial at Site 22. Mr. Skaredoff asked if the LUCs for industrial are similar to those used for open space. Mr. Newton said that open space reuse would be acceptable for an industrial reuse standard.

Mr. Birsan said the CAC has approved a reuse plan for Site 22 as a mixed residential area, which conflicts with the Navy's cleanup to industrial standards. Mr. Newton said the Navy will work with the City of Concord on the reuse plan once it is approved by HUD and the NEPA documentation is prepared.

Mr. Skaredoff asked about the levels of arsenic in the soil at Site 22. Mr. Perry said they typically range from 50 to 100 parts per million (ppm), with the maximum concentration of 240 ppm. Mr. Birsan asked if the level of arsenic in the soil at Site 22 poses an ecological risk. Mr. Perry said that arsenic in the soil at Site 22 is not an ecological concern.

VII. OTHER TOPICS, NEXT MEETING, AND ACTION ITEMS

The agenda for April 1, 2009, includes the following presentations:

- Draft HRA Update
- Site 29 Update

Mr. Perry said that if topics come up before the April 1, 2009 meeting, RAB members can contact him

and he will update the agenda accordingly.

The following action item was generated during the RAB meeting on February 4, 2009.

No.	Action Item	Target Date for Completion	Responsible Person	Completion Date (or Status)
1	The Navy will finalize and distribute the October 1, 2008, RAB meeting minutes.	3/6/09	C. Hunter	This action item was completed.

ATTACHMENT A
ATTENDEES AND AFFILIATIONS
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD

FEBRUARY 4, 2009

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

FEBRUARY 4, 2009

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Wayne Akiyama	Shaw Group	(925) 256-6746
Edi Birsan*	Concord Resident	(510) 812-8180
Harry Byrne	Concord Resident	(925) 686-4815
Joanna Canepa	Tetra Tech	(425) 877-2806
Alan Friedman	Water Board	(510) 622-2347
Carolyn Hunter	Tetra Tech	(415) 222-8297
John Kaiser	Water Board	(510) 622-2368
Darren Newton	Navy, BRAC PMO West	(619) 532-0963
Charles Perry	Navy, BRAC PMO West	(619) 532-0911
Jim Pinasco	DTSC	(916) 255-3719
Philip Ramsey	EPA	(415) 972-3006
Tom Shoff	Tetra Tech	(415) 222-8347
Daniel Silveira	Navy, BRAC PMO West	(619) 532-0981
Igor Skaredoff*	Martinez Resident	(925) 229-1371
Mary Lou Williams*	Concord Resident	(925) 685-1415
Michael Wright	City of Concord	(925) 671-3019

Notes:

*	Community Restoration Advisory Board (RAB) Member
BRAC PMO	Base Realignment and Closure Program Management Office
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
Tetra Tech	Tetra Tech EM Inc.
Water Board	San Francisco Bay Regional Water Quality Control Board

ATTACHMENT B

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

FEBRUARY 4, 2009

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INLAND AREA AGENDA

FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD INLAND AREA RESTORATION ADVISORY BOARD (RAB) MEETING

Wednesday, February 4, 2009

6:30 p.m. – 8:30 p.m.

Location: Concord Police Station Community Room

1350 Galindo Street

Concord, CA 94520

- 6:30 – 6:45 Call to Order
- Welcome
 - Introductions/Agenda Review
 - Approval of October 2008 Meeting Minutes (Last Inland Area Meeting)
 - Public Comment Period
- Lead: Community Co-chair
- 6:45 – 6:50 Announcements
- Review of Action Items
- Lead: Navy Co-chair
- 6:50 – 7:30 Committee Reports/Announcements
- RAB Announcements, Reports or other business (Community Co-chair)
 - RAB Open Comment Period
 - Remedial Project Managers' (RPM) Update (Navy/EPA/DTSC/RWQCB)
 - City of Concord Update
- 7:30 – 7:40 Break
- 7:40 – 8:15 Presentation: Environmental Restoration Program 2008 Review/2009 Goals
Navy: Darren Newton, BRAC Environmental Coordinator
- 8:15 – 8:25 Presentation: Site 22 Update
Navy: Daniel Silveira, Remedial Project Manager
- 8:25 – 8:30 Meeting Evaluation and Topic Suggestions of Future Meetings
Next RAB Meeting: April 1, 2009
April 2009 Agenda Approval
- 8:30 Adjourn

Next RAB Meeting

- Inland Area: April 1, 2009

Former NWS SBD CONCORD RAB Meetings are held the first Wednesday of every month, unless changed.

Information regarding the Environmental Restoration program at Former NWS SBD Concord can be found at:

<http://www.bracpmo.navy.mil/basepage.aspx?baseid=39&state=California&name=concord>

BRAC Environmental Coordinator: Mr. Darren Newton (619) 532-0963, Darren.newton@navy.mil

Community RAB Co-Chair: Ms. Mary Lou Williams, Mlou1015@aol.com

**ATTACHMENT C
NAVY REMEDIAL PROJECT MANAGERS' UPDATE
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CALIFORNIA**

FEBRUARY 4, 2009

(2 Pages)



Navy Remedial Project Manager (RPM) Update for 4 February 2009 Meeting of Former Naval Weapons Station Seal Beach Detachment Concord

Summary of Navy Base Realignment and Closure (BRAC)
Inland Area RPM activities since the last RAB meeting held on
Wednesday, 1 October 2008

Installation Restoration/Munitions Response Programs Sites

- October 1 and 2, 2008 – Conducted an onsite scoping meeting with the Regulatory Agencies for the PA/SI Work Plan for the Areas of Potential Interest (AOPI).
- October 7, 2008 – Published public notice for the Site 27 TCRA.
- October 13, 2008 – Held kick off meeting for Site 27 Time Critical Removal Action (TCRA) field work initiation and submitted the Final Health and Safety Plan for the Site 27 TCRA.
- October 14-16, 2008 – Performed Phase 1 of Site 27 TCRA soil excavation and confirmation sampling.
- October 22, 2008 – Submitted the Draft Final Feasibility Study for Site 22 (Main Magazine Area).
- October 22, 2008 – Held public meeting for the Solid Waste Management Units (SWMUs) Sites 2, 5, 7, and 18 Proposed Plan.
- October 1, 2008 – Submitted Press Release for HRA (very similar to Public Notice).
- November 3-7, 2008 – Additional SCAPS characterization performed at Site 29. Completed 9 pushes.
- November 5, 2008 – Met with the regulatory agencies for a TRIAD planning meeting at Site 29.
- November 13, 2008 – Performed 2nd phase of TCRA soil excavation and confirmation sampling at Site 27.
- November 17, 2008 – Submitted the Draft Final Supplemental Preliminary Assessment (PA) Report for Site 23A (Inland Area EOD Site). Comments are due December 17, 2008.
- November 19, 2008 – Performed 3rd phase of TCRA soil excavations and confirmation sampling at Site 27.
- November 20, 2008 – Received agency and RAB comments on the Draft Site 22A (Group 1-5 Magazine Areas) Remedial Investigation (RI) Report.
- November 24, 2008 – Performed 4th phase of TCRA soil excavations and confirmation sampling at Site 27.

- November 24, 2008 – Received comments on the Draft Final Site 22 (Main Magazine Area) Feasibility Study (FS) Report from DTSC and DFG.
- December 2-7, 2008 - Additional SCAPS characterization at Site 29. Completed 8 pushes.
- December 16-17, 2008 – Performed 5th phase of TCRA soil excavations and confirmation sampling at Site 27.
- January 13, 2009 – Performed a site visit with the New Concord Navy RPM, Daniel Silveira to IR Sites 24A, 22, 22A and SWMUs 2, 5, 7, and 18.
- January 15, 2009 – Submitted an extension request to extend the Navy's response to comment period on the Draft Final RI report for Site 22A for 30 days, through February 24, 2009.
- January 20, 2009 – Submitted Final Supplemental PA Report for Site 23A (Inland Area EOD Site).
- January 20, 2009 – Held a kick off meeting with EPA, Water Board, DTSC, and DFG for the basewide groundwater monitoring program.
- January 21, 2009 – Held a kick off meeting with EPA, Water Board, DTSC, and DFG for an RI at Eagle's Nest EOD and the Former Inland Burn Area under the MRP Program.
- January 26, 2009 – Held Triad Meeting with EPA, DTSC and Water Board to discuss the latest SCAPS MIP results at Site 29 and determine locations of four additional monitoring wells.

ATTACHMENT D

**ENVIRONMENTAL RESTORATION PROGRAM 2008 REVIEW/2009 GOALS PRESENTATION
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CALIFORNIA**

FEBRUARY 4, 2009

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Welcome

BRAC
PMO WEST

Former Naval Weapons Station Concord State of the Inland Area Environmental Program

72nd Restoration Advisory Board Meeting

Darren Newton
Base Realignment and Closure
(BRAC) Environmental Coordinator

4 February 2009



Program Activities

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- **Global Projects (Inland Area)**
 - Groundwater Monitoring
 - Historical Radiological Assessment
 - Areas of Potential Interest
 - Compliance (e.g. USTs, ASTs, SWMUs)

- **Installation Restoration Program Sites**

- **Military Munitions Response Program Sites**



Global Projects

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Groundwater Monitoring

- **Status**
 - Navy is developing a program to supplement site-specific monitoring requirements
 - Annual Groundwater Monitoring at:
 - Site 13
 - Site 22
 - Solid Waste Management Units (SWMU) 2, 5, 7, and 18
- **Next Steps**
 - Submit Draft Sampling and Analysis Plan – April 2009
 - Finalize Sampling and Analysis Plan – July 2009
 - Perform Groundwater Monitoring – August 10 – 21, 2009



Global Projects

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Radiological Program

- **Status**
 - Navy will develop a program in close coordination with the Radiological Affairs Support Organization (RASO) and the regulatory agencies
 - RAB presentation on the HRA process - 4 June 2008
 - Fact Sheet on the HRA process – June 2008
- **Next Steps**
 - Submit Draft HRA – 23 March 2009
 - Submit Final HRA and Responses to comments– 4 August 2009
 - RAB presentation planned for April 2009



Global Projects

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Compliance Program – Work in progress

- **Underground Storage Tank (USTs) – 4**
 - IA-17 (A,B,C,D)
- **Aboveground Storage Tank (ASTs) – 7**
 - Building 97; IA-4; Building 522 (5 ASTs)
- **Oil Water Separator (OWS) – 0**
- **Solid Waste Management Units (SWMU) – 1**

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4 Feb 09



Installation Restoration Projects

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Site 22 Main Magazine Area

- **Status**
 - Final Remedial Investigation – February 2007
 - No further action for subsurface soils
 - Acceptable risk for groundwater (at or below MCLs)
 - Draft Feasibility Study – May 2008
 - Draft Final Feasibility Study – October 2008
 - Final Feasibility Study – November 2008
- **Next Steps**
 - Proposed Plan – August 2009
 - Draft Record of Decision – January 2010

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4 Feb 09



Installation Restoration Projects

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Site 22A Magazine Areas - Group 1 through 5

•Status

- Remedial Investigation Field Work – August 2007 through February 2008
- Draft Remedial Investigation – September 2008
- Draft Final Remedial Investigation – January 2009

•Next Steps

- Final Remedial Investigation – March 2009
- Draft Feasibility Study – September 2009
- Draft Final and Final Feasibility Study – December 2009
- Proposed Plan – October 2010



Installation Restoration Projects

BRAC
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Site 27 Buildings IA-20 and IA-36

•Status

- Remedial Investigation Addendum Field Work - October 2007 to March 2008
- Final Time-Critical Removal Action Memo and Work Plan – October 2008
- Initiate TCRA Field Work – October 2008

•Next Steps

- Complete TCRA Field Work
- Draft Removal Action Completion Report – October 2009
- Draft Final Removal Action Completion Report – February 2010



Installation Restoration Projects

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Site 29 Building IA-25

•Status

- Initiate Remedial Investigation field work – Summer 2007
 - Soil and soil gas investigations
 - Site characterization and analysis penetrometer system (SCAPS) investigations
 - Groundwater monitoring for chlorinated solvent impacted groundwater: December 2007; February, May, and August 2008

•Next Steps

- Draft Remedial Investigation Report – June 2009



Installation Restoration Projects

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SWMUs 2, 5, 7, and 18

- SWMU 2 – Building IA-7 Fire Station
- SWMU 5 – Building IA-12 Locomotive Repair Shop
- SWMU 7 – Building IA-16 Paint Shop
- SWMU 18 – Building IA-51 Steam Cleaning Facility

•Status

- Final Groundwater Pilot Test Technical Memorandum – 8 October 2007
- Final Feasibility Study – 20 March 2008
- Proposed Plan Public Comment Period – 7 October 2008 to 6 November 2008
- Proposed Plan Public Meeting – 15 October 2008

•Next Steps

- Draft Record of Decision – March 2009
- Draft Final Record of Decision – July 2009
- Final Record of Decision – August 2009
- Draft Remedial Design – December 2009



Munitions Response Program Projects

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Final Preliminary Assessment (PA) – August 2007

• Status

- 4 sites Recommended NFA
 - Seal Creek Disposal Area (IR Site 19)
 - Bore Sighting Range (IR Site 24B)
 - Dredge Fill and Borrow Area
 - Red Rock Disposal Area

- 4 sites Recommended for a Site Inspection
 - Inland Burn Area (Site 13)
 - Black Pit at Red Rock (Site 16)
 - Eagle's Nest EOD (Site 23B)
 - HE-5

- 1 site Recommended for a Supplemental PA
 - Site 23A Inland Area EOD

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Munitions Response Program Projects

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Site Inspection for 4 Sites:

- Inland Burn Area (Site 13)
- Black Pit at Red Rock (Site 16)
- Eagle's Nest EOD (Site 23B)
- HE-5

Status

- Draft Site Inspection Work Plan – September 2007
- Draft Final Site Inspection Work Plan – March 2008
- Final Site Inspection Work Plan – April 2008
- Site Inspection Field Work – Summer/Fall 2008

• Next Steps

- Draft Site Inspection – Spring 2009
- Final Site Inspection – Summer 2009
- Draft Remedial Investigation Work Plan – Fall 2009

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Munitions Response Program Projects

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1 Site Recommended for a Supplemental PA

Site 23A Inland Area EOD

•Status

- Draft Supplemental PA – 10 July 2008
- Draft Final Supplemental PA – 14 November 2008
- Final Supplemental PA – 20 January 2009

•Next Steps

- NFA recommended for Site 23A Inland Area EOD
- Perform Further evaluation of a Bermed Area as an Area of Potential Interest

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4 Feb 09



Munitions Response Program Projects

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Site 24A Former Pistol Firing Range

•Status

- Kick off and scoping preparation of Site Inspection Work Plan – August 2007
- Navy preparing a Site Inspection Work Plan

•Next Steps

- Draft Site Inspection Work Plan – February 2008
- Perform Site Inspection Field Work – August 2008
- Draft Site Inspection Report – Spring 2009

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Global Projects

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Areas of Potential Interest (AOPI)

- **AOPI identified:**
 - Building IA-25 Outfeatures - (Suspected burn pit)
 - 13 Unfinished Railroad Revetments - Suspected disposal area
 - 10 (NFA)
 - 3 further investigation
 - Magazine HE-5 - Suspected disposal area (NFA)
 - Building IA-27 - Suspected disposal area
 - Buildings 81 and 93 – Possible residual munitions constituents or disposal areas
 - Unocal Spill Area – Discarded munitions
 - IA-100 – Former storage area with suspected munitions scraps
 - IA-20 – Suspected burn pit (NFA)
 - Bermed Area – Suspected explosive ordnance disposal area

- **Next Steps –**
 - Submit Draft Work Plan – Spring 2009
 - Submit Draft Final Work Plan – Summer 2009
 - Submit Final Work Plan – Fall 2009
 - Initiate field work – Fall 2009



Environmental Program Summary

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	USTs	ASTs	OWSs	AOPIs	SWMU	IRP SITES	MMRP SITES
TOTAL	40	24	6	11	33	14	10
NFA / NFI	36	17	6	0	32*	6	4
Complete	90%	71%	100%	0%	97%	43%	40%
Closeouts in Agency Review	0	0	0	0	1*	0	0
In Progress	4	7	0	11	1	8	6
Anticipated NFA Date	2012	2010	Done	2010	TBD	2018	TBD

Note: 13 SWMUs were septic tanks that have been decommissioned. 16 SWMUs were closed by DTSC. 3 SWMUs were USTs closed under the UST Program. One SWMU is pending closure by the Water Board.



Acronyms

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•AOPI	Area of Potential Interest
•AST	Aboveground Storage Tank
•BRAC	Base Realignment and Closure
•EOD	Explosive Ordnance Disposal
•FS	Feasibility Study
•IRP	Installation Restoration Program
•IC	Institutional Controls
•MCL	Maximum Contamination Limit
•NFA	No Further Action
•NFI	No Further Investigation
•OWS	Oil Water Separator
•PA	Preliminary Assessment



Acronyms (continued)

BRAC
PMO WEST

•PP	Proposed Plan
•RI	Remedial Investigation
•ROD	Record of Decision
•SI	Site Inspection
•SCAPS	Site Characterization and Analysis Penetrometer System (SCAPS)
•SAP	Sampling and Analysis Plan
•SWMU	Solid Waste Management Unit
•TBD	To be determined
•UST	Underground Storage Tank



QUESTIONS?

BRAC
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ATTACHMENT E

**SITE 22 UPDATE PRESENTATION
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CALIFORNIA**

FEBRUARY 4, 2009

(7 Pages)



Concord Naval Weapons Station

**BRAC
PMO**

Site 22 Feasibility Study
Main Magazine Area

Naval Weapons Station Seal Beach
Detachment Concord, Concord California



Daniel Silveira, Navy Remedial Project Manager
Restoration Advisory Board Meeting
February 4, 2009



Presentation Overview

**BRAC
PMO**

- Review of Site Description and History
- Review of Feasibility Study Process
- Review of Remedial Action Objectives
- Review of Remedial Alternatives Evaluated
- Review of Remedial Alternatives Ranking Results
- Questions



Site 22 Description

**BRAC
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Site 22

- 531 acres
- 14 buildings
- 116 magazines
- 4 former ASTs and 5 former USTs

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Review of Site 22 History

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- Herbicides containing arsenic applied around the magazines to control weeds and reduce fire hazards
- ASTs removed
- USTs have NFA determinations from CCCHSD
- Buildings and magazines not in use

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Feasibility Study Process

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- Identify objectives and applicable regulations
- Identify remedial technologies
- Evaluate alternatives
- Compare alternatives

5



Remedial Action Objectives

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- No human exposure to arsenic
- No ecological exposure to Endrin at sampling location 7SHSB134

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Remedial Alternatives for Human Health Protection

**BRAC
PMO**

Remedial Action Alternatives for Human Health Protection from arsenic in surface soil (0 to 0.5 feet bgs):

- Alternative H1: No Action
- Alternative H2: Land Use Controls for Arsenic
- Alternative H3: Excavation and Off-Site Disposal for Arsenic
- Alternative H4: Excavation, On-Site Containment, and Land Use Controls for Arsenic

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Remedial Alternatives for Ecological Health Protection

**BRAC
PMO**

Remedial Action Alternatives for Ecological Health Protection from Endrin in surface soil (0 to 0.5 feet bgs):

- Alternative E1: No Action
- Alternative E2: On-Site Stabilization for Endrin and Land Use Controls for Arsenic
- Alternative E3: Excavation and Off-Site Disposal for Endrin and Arsenic
- Alternative E4: Excavation, On-Site Containment, and Land Use Controls for Endrin and Arsenic

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Evaluation Against NCP Criteria

**BRAC
PMO**

1. Overall protectiveness of human health and the environment
2. Compliance with applicable or relevant and appropriate requirements (ARAR)
3. Long-term effectiveness and permanence
4. Reduction of toxicity, mobility, or volume through treatment
5. Short-term effectiveness
6. Implementability
7. Cost
8. Community acceptance (evaluated after proposed plan)
9. State acceptance (evaluated after proposed plan)

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Alternatives Ranking Summary for Protection of Human Health

**BRAC
PMO**

Criterion Description	H1: No Action	H2: Land Use Controls	H3: Excavation and Off-Site Disposal	H4: Excavation and On-Site Containment and Land Use Controls
(1) Overall Protection	1	5	5	5
(2) Compliance with ARARs	1	5	5	5
(3) Long-term Effectiveness and Permanence	1	3.5	5	3.5
(4) Reduction of Toxicity, Mobility, or Volume through Treatment	1	1	1	1
(5) Short-term Effectiveness	1	5	3.5	3.5
(6) Implementability	1	5	5	4
(7) Costs	5 (\$0)	5 (\$536,000)	1 (\$31.6M)	3 (\$20.2M)
(8) State acceptance	TBD	TBD	TBD	TBD
(9) Community acceptance	TBD	TBD	TBD	TBD
Overall Score	11	29.5	25.5	25

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Alternatives Ranking Summary for Protection of Ecological Health

**BRAC
PMO**

Criterion Description	E1: No Action	E2: On-Site Stabilization and Land Use Controls	E3: Excavation and Off-Site Disposal	E4: Excavation and On-Site Containment and Land Use Controls
(1) Overall Protection	1	5	5	5
(2) Compliance with ARARs	1	5	5	5
(3) Long-term Effectiveness and Permanence	1	4	5	3.5
(4) Reduction of Toxicity, Mobility, or Volume through Treatment	1	3	1	1
(5) Short-term Effectiveness	1	4	4	3.5
(6) Implementability	1	4.5	5	5
(7) Costs	5 (\$0)	3 (\$45,000)	5 (\$7-\$40,000)	5 (\$16,000)
(8) State acceptance	TBD	TBD	TBD	TBD
(9) Community acceptance	TBD	TBD	TBD	TBD
Overall Score	11	28.5	30	28

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Schedule for Site 22 PP

**BRAC
PMO**

- August 2009 – Proposed Plan
- August 3, 2009 – September 3, 2009 – One-month public comment period.
- Public meeting to be scheduled during the public comment period (mid August)

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Questions ?

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