



TETRA TECH EM INC.

July 1, 2010

Dear RAB Members,

On behalf of the Navy, enclosed please find the February 3, 2010 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@tetratech.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 3, 2010

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 6:00 p.m. to 7:45 p.m. on February 3, 2010, at the Concord Police Station in Concord, California. Agreements and action items are described by topic under Sections I through VII and are summarized in Section VIII. 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.

Public Comments

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

II. OCTOBER 2009 RAB MEETING MINUTES APPROVAL

Ms. Williams asked the RAB for comments on minutes from the RAB meeting held on October 7, 2009. No comments were received by the RAB members in attendance of the meeting. There was not a quorum of RAB members. Therefore, approval of the October 7, 2009, meeting minutes will be postponed until the meeting on April 7, 2010.

III. RAB ANNOUNCEMENTS

Ms. Williams and Kathy Stewart (Navy co-chair) opened the floor to RAB announcements. Ms. Stewart reviewed the action items from the RAB meeting on October 7, 2009. All action items were completed except for action item #2: *Charles Perry (Navy former Lead Remedial Project Manager [RPM]) will check Navy documentation on the burrowing owl in the Inland Area.* Ms. Stewart said that she will provide an update on the status of this action item at the RAB meeting on April 7, 2010.

RAB Open Comment Period

Ms. Williams opened the RAB comment period. Igor Skaredoff (Martinez resident) asked for an update on discussions between the Navy and the City of Concord (city). Ms. Stewart said the Navy had met with the city recently regarding the city's Draft Environmental Impact Report (EIR) and concerns with the biological requirements. Ms. Stewart stated the Final EIR had subsequently been released, and the city is hosting public meetings on February 9, 2010 and February 23, 2010. The meetings are being held to consider the document and take public input on the Reuse Project. Mr. Skaredoff requested that an e-mail be sent to the RAB members providing them information on the city's upcoming public meetings. Ms. Stewart said that the Navy is not the lead in scheduling or holding the public meetings, but she would provide the information via e-mail as a courtesy to the RAB members.

Action Items

1. Ms. Stewart will check Navy documentation on the burrowing owl in the Inland Area.
2. Ms. Stewart will provide the RAB information via e-mail on the city's public meetings.

IV. RPM UPDATE

Navy Update

Ms. Stewart reviewed the Navy RPM update handout, which is included as Attachment C.

- Ms. Stewart said the Navy completed field work at the Site 24A Pistol Firing Range.
- The Navy had received a letter from the U.S. Environmental Protection Agency (EPA) with concerns over the Draft Final Proposed Plan (PP) for Site 22, and the Navy sent a follow-on letter on November 5, 2009 invoking informal dispute to resolve the differences.
- The Navy completed phases 7 and 8 of the field activities for the Site 27 Time Critical Removal Action (TCRA).
- The Navy submitted the Draft Final Record of Decision (ROD) for the Solid Waste Management Units (SWMU) Sites 2, 5, 7, and 18.

EPA Update

Melinda Garvey (EPA RPM) said that the SWMU Sites 2, 5, 7, and 18 ROD is close to being signed by the Navy and regulatory agencies.

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

John Kaiser (Water Board) said that the Water Board and the Department of Toxic Substances Control Board are discussing the joint execution plan (JEP) and budget for fiscal year 2010. The JEP provides funds for regulatory agency oversight activities at NAVWPNSTA Concord.

Mr. Kaiser said the 14th Annual Flyway Festival is occurring February 5 through 7, 2010, at Mare Island. Mr. Skaredoff said that he has participated in the Flyway Festival in past years and encourages the RAB to attend.

V. STATE OF THE INLAND AREA ENVIRONMENTAL RESTORATION PRESENTATION

Ms. Stewart presented an update on the state of the Inland Area environmental restoration (ER) program (Attachment D).

Mr. Skaredoff asked which contaminants of concern (COCs) are present at each site. Ms. Stewart said the COCs are site-specific, depending on the historical use of each site.

Mr. Skaredoff asked if there is an update on the Site 22 PP. Ms. Stewart said the Navy evaluated a variety of alternatives and is proposing land use controls (LUCs) for Site 22 in the PP. Edi Birsan (Concord resident) asked what happens if the community does not agree with the alternatives in the Site 22 PP. Ms. Stewart said that the community will have an opportunity to provide input on the Site 22 PP during the 30-day comment period and the public meeting held once it is issued. Katherine Luttjohanon (Concord resident) asked how the community is notified of the public meeting to accept comments on the Site 22 PP. Ms. Stewart said the public will be notified of the meeting by a public notice in the newspaper as well as the proposed plan fact sheet that will be mailed out to the community. Mr. Skaredoff asked if there is another alternative in the Site 22 PP that leaves the contaminated soil on site aside from the LUC alternative. Ms. Stewart said another alternative was evaluated in the Feasibility Study (FS) in which contaminated soils are consolidated in a corrective action management unit (CAMU). Ms. Williams asked who would be responsible for removing the soil on site in order to meet with city's reuse needs. Ms. Stewart said that a developer would be responsible for taking further action in order to lift the land use controls to render the property suitable for residential reuse. Mr. Skaredoff asked if hiking trails could be built at Site 22. Ms. Stewart said that Site 22 could be used for hiking trails. Mr. Skaredoff asked if leaving Site 22 as open space would be in line with the Navy's PP. Ms. Stewart said that open space would be an acceptable reuse for Site 22 based on the Navy's PP. Mr. Birsan said the city's plan for Site 22 is to reuse the area for mixed use and that decisions on the path forward will be made soon. Mr. Skaredoff asked if the Navy could implement a spot removal of the high concentrations of arsenic. Ms. Stewart said that a hot spot removal would not be effective since arsenic is spread across Site 22 as a result of historical pesticide application. Mr. Skaredoff asked if Site 22 could be reused commercially. Ms. Stewart said that Site 22 could be reused for commercial property.

Mr. Birsan asked if the bunker city area in Site 22 could be converted into a park. Ms. Stewart indicated that the bunker city area may be appropriate for reuse as a park. Mr. Birsan asked about the regulations for a playground. Mr. Kaiser said that most cities have specific regulations for playgrounds. Mr. Birsan said that he does not agree with the Navy's proposal to remove the top 6 inches of soil at Site 22. The city is evaluating removal of 1.5 feet of soil rather than 6 inches of soil across Site 22.

Mr. Skaredoff asked about the progress of Site 22A in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. Mr. Stewart said Site 22A is in the feasibility study phase of the CERCLA process.

Mr. Skaredoff asked if cleanup of lead based paint (LBP) is guided by the CERCLA process. Ms. Stewart said that cleanup of LBP generated from an active process, such as chipping or stripping, may be governed by the CERCLA process. Cleanup of lead generated from weathered lead based paint, however, is governed under other regulations.

Mr. Skaredoff asked if munitions are regulated under the CERCLA program. Ms. Stewart said that munitions are covered under the CERCLA program. Mr. Skaredoff asked if the regulatory agencies agree with the Navy on the Military Munitions Response Program (MMRP) sites that have been slated for no further action (NFA). Ms. Stewart stated the Navy has recommended NFA for two MMRP sites, Black Pit at Red Rock and HE5 Burn Area. The regulatory agencies have stated they agree with NFA and have provided comments on the Draft Site Inspection (SI) reports for those two sites. The Navy is in the process of responding to comments prior to finalizing the SI Reports.

Mr. Skaredoff stated that an update on the Site 24A field work might be a good topic for the next RAB meeting. Ms. Stewart agreed to include the topic as an agenda item for the next RAB meeting on April 7, 2010.

VI. SWMU SITES 2, 5, 7, AND 18 ROD PRESENTATION

Julie Crosby (Navy Lead RPM) presented an update on the SWMU Sites 2, 5, 7, and 18 ROD (Attachment E).

Mr. Skaredoff asked about the depth of the groundwater at SWMU Sites 2, 5, 7, and 18. Ms. Crosby said that groundwater is approximately 20 to 30 feet below the surface. Mr. Skaredoff asked how many gallons of groundwater need to be treated. Ms. Crosby said that the modeling for the treatment has yet not been completed but will indicate the amount of water that will be treated. Ms. Crosby said the highest tetrachloroethene (PCE) concentration is 100 micrograms per kilogram at SWMU Sites 2, 5, 7, and 18. Mr. Skaredoff asked if the groundwater treatment is air sparging and bioremediation. Ms. Crosby said that the treatment remedy will be air sparging without bioremediation, as the Navy can complete the cleanup with air sparging. Mr. Birsan asked if the treatment will be conducive to the city's reuse plan for the SWMU Sites 2, 5, 7, and 18 as a fire department and ambulance training area. Ms. Crosby said the SWMU Sites 2, 5, 7, and 18 is slated for industrial reuse.

Mr. Birsan asked if an odor will be associated with the treatment of groundwater. Ms. Crosby said that the concentrations of the contaminants are low and should not have any odor.

Mr. Skaredoff said that he is pleased that a ROD is being finalized for the SWMU Sites 2, 5, 7, and 18 and the cleanup is moving forward. Mr. Skaredoff asked how long the cleanup will take.

Ms. Henry said the cleanup at SWMU Sites 2, 5, 7, and 18 will take approximately 4 years. Once the cleanup is complete, the LUCs will be removed.

VII. RADIOLOGICAL PROGRAM UPDATE

Ms. Crosby presented an update on the basewide radiological program (Attachment F).

VIII. OTHER TOPICS, NEXT MEETING, AND ACTION ITEMS

Ms. Stewart said the next official Inland Area RAB meeting will take place on April 7, 2010.

Shon Wolf (Clyde resident) asked where the eucalyptus tree removal occurred at NAVWPNSTA Concord. Mr. Birsan said that the eucalyptus tree removal occurred off the base on Denkinger Road.

Mr. Birsan asked when the Navy is planning to transfer the base to the city. Ms. Stewart said she will need to look at the transfer schedule to confirm the date. Mr. Birsan said the city is evaluating its budget for the next 10 years and needs to consider when construction can begin on the property.

Mr. Birsan asked about the status of the aerial review that was conducted in October 2009 at the RAB meeting. Ms. Stewart said that EPA's concerns were added to the area of potential interest list for the Navy to consider.

Ms. Stewart asked for a list of topics for the RAB meeting on April 7, 2010. Presentation topics suggested include:

- Site 24A Field Work Update
- Eagles Nest Field Work Update
- Transfer Schedule Update

Ms. Stewart reminded the RAB that she is always available between meetings to answer questions and to not hesitate to contact her with any questions or concerns. The RAB can contact Ms. Stewart via telephone or e-mail.

No.	Action Item	Target Date for Completion	Responsible Person	Completion Date (or Status)
1	Ms. Stewart will check Navy documentation on the burrowing owl in the Inland Area.	4/7/10	K. Stewart	This action item was completed on 6/2/10.
2	The Navy will provide the RAB information via e-mail on the city's public meetings to accept comments on the Draft EIR.	2/5/10	K. Stewart	This action item was completed.

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

FEBRUARY 3, 2010

(1 Page)

**ATTENDEES AND AFFILIATIONS
 RESTORATION ADVISORY BOARD MEETING
 FORMER NAVAL WEAPONS STATION SEAL BEACH
 DETACHMENT CONCORD, CALIFORNIA
 FEBRUARY 3, 2010**

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Luis Garcia-Bakarich	EPA	(415) 972-3237
Edi Birsan*	Concord Resident	(510) 812-8180
Joanna Canepa	Tetra Tech	(425) 877-2806
Julie Crosby	Navy, BRAC PMO West	(619) 532-0929
Amy Estey	Shaw Environmental	(925) 288-2091
Melinda Garvey	EPA	(415) 972-4184
Katie Henry	Tetra Tech	(510) 302-6298
Carolyn Hunter	Tetra Tech	(510) 302-6297
Katherine Luttjohanon	Concord Resident	(925) 676-3717
John Kaiser	Water Board	(510) 622-2368
Igor Skaredoff*	Martinez Resident	(925) 229-1371
Kathy Stewart	Navy, BRAC PMO West	(415) 743-4715
Frank Troglione	New World Technologies	(209) 499-9208
Mary Lou Williams*	Concord Resident	(925) 685-1415
Shon Wolf*	Clyde Resident	(925) 686-5924

Notes:

*	Community Restoration Advisory Board (RAB) Member
BRAC PMO	Base Realignment and Closure Program Management Office
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 3, 2010

(2 Pages)

INLAND AREA AGENDA

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

Wednesday, February 3, 2010

6:00 p.m. – 7:45 p.m.

Location: Concord Police Station Community Room
1350 Galindo Street
Concord, CA 94520

- 6:00 – 6:10 Call to Order
- Welcome
 - Introductions/Agenda Review
 - Approval of October 2009 Meeting Minutes (Last Inland Area Meeting)
 - Public Comment Period
- Lead: Community Co-chair
- 6:10 – 6:15 Announcements
- Review of Action Items
- Lead: Navy Co-chair
- 6:15 – 6:25 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
- 6:25 – 6:55 Presentation: State of the Station Update on the Status of Inland Area Projects
Navy: Kathy Stewart, Navy RAB Co-chair
- 6:55 – 7:15 Presentation: Solid Waste Management Units Sites 2, 5, 7, and 18 Record of Decision (ROD) Update
Navy: Julie Crosby, Lead Remedial Project Manager (LRPM)
- 7:15 – 7:35 Presentation: Historical Radiological Assessment Update
Navy, Julie Crosby, LRPM
- 7:35 – 7:45 Meeting Evaluation and Topic Suggestions of Future Meetings
Next RAB Meeting: April 7, 2010
- 7:45 Adjourn

Next RAB Meeting

- Inland Area: April 7, 2010

*NAVWNPSTA CONCORD RAB Meetings are held the first Wednesday of every month, unless changed.
Information regarding the Environmental Restoration program at Former Naval Weapons Station Seal
Beach Detachment Concord Inland Area can be found at:*

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

BRAC Environmental Coordinator: Ms. Kathy Stewart (415) 743-4715, kathryn.stewart@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 3, 2010

(2 Pages)



Navy Remedial Project Manager (RPM) Update for 3 February 2010 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, 7, October 2009

Installation Restoration/Munitions Response Programs Sites

- October 22, 2009 – Field investigations for the Site Inspection (SI) at Site 24A were completed.
- November 5, 2009– Navy invoked informal dispute regarding EPA's November 3 review of the Navy's Draft Final Proposed Plan for Site 22. A follow-up meeting was held November 17, 2009.
- November 12, 2009 – Phase 7 field activities for the Site 27 Time Critical Removal Action completed, including excavation of 160 cubic yards of additional soil.
- December 2, 2009 – A Remedial Project Managers teleconference was held.
- December 16, 2009 – Held a conference call to discuss preliminary Scanning Electron Microscope /Electron Microscope Report findings and determine the appropriate regulatory framework for lead at Site 29.
- December 17, 2009 – Responses to comments on the Draft Area of Potential Interest (AOPI) Preliminary Assessment (PA)/Site Inspection (SI) were submitted to the regulatory agencies.
- December 28 to December 29, 2009 – Phase 8 field activities for the Site 27 Time Critical Removal Action were performed, including terracing and stockpiling of clean soil around the excavation and additional soil sampling along the stormwater pipe corridor for Aroclor-1248.
- January 8, 2010 – Submitted the Draft Final Record of Decision for Solid Waste Management Unit Sites 2, 5, 7, and 18.
- January 8, 2010 – Submitted request for extension and revised milestone delivery date from 8 January 2010 to 18 February 2010 for Site 22 Draft Feasibility Study (FS).

- January 14, 2010 – Submitted a Biological Resource Impact Evaluation for Eagle’s Nest EOD, the Bermed Area, Building 81 and Building 93 as part of the Area of Potential Interest PA/SI.
- January 26, 2010 – Began site preparations for biological assessment and field investigations at Eagle’s Nest EOD.
- January 28, 2010– Held a conference call to discuss risk assessment methodology and propose minor updates to the regulatory criteria for the Remedial Investigation (RI) underway at Site 29.
- February 1, 2010 – Submitted the final Scanning Electron Microscope /Electron Microscope Report for the Remedial Investigation at IR Site 29.

ATTACHMENT D

**STATE OF THE INLAND AREA ENVIRONMENTAL PROGRAM PRESENTATION
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CALIFORNIA**

FEBRUARY 3, 2010
(9 Pages)



Welcome

BRAC
PMO WEST

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

76th Restoration Advisory Board Meeting

Kathryn A. Stewart, P.E.
Base Realignment and Closure
(BRAC) Environmental Coordinator

3 February 2010



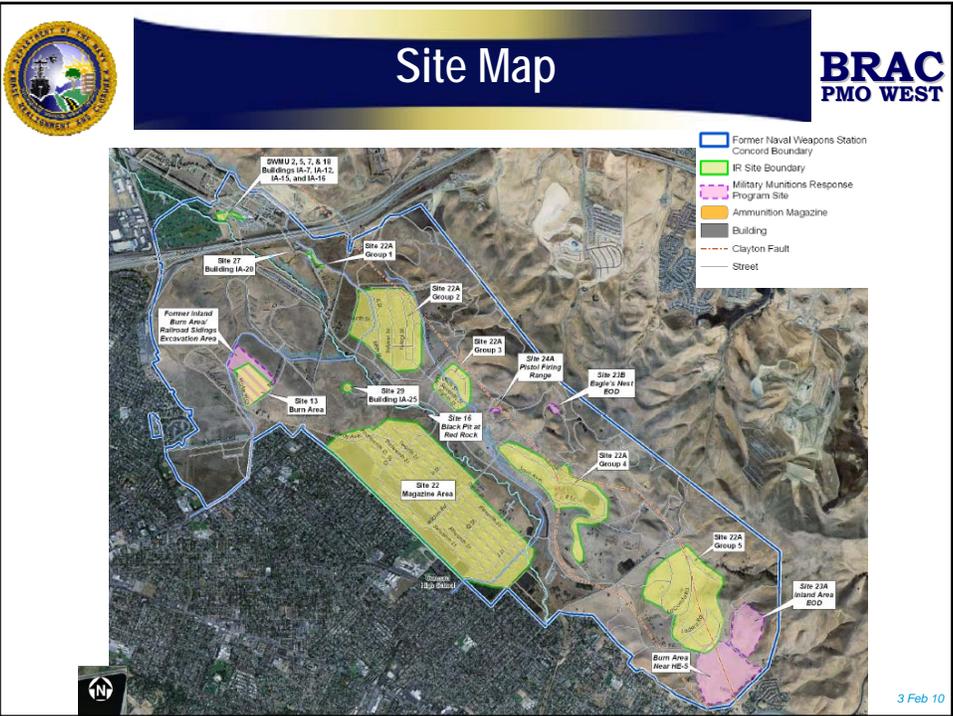
Program Activities

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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

Basewide Groundwater Monitoring

- **Purpose**
 - Supplement site specific monitoring requirements
- **Status**
 - Draft Sampling and Analysis Plan Submitted – June 2009
 - Draft Final Sampling and Analysis Plan Submitted – September 2009
- **Next Steps**
 - Finalize Sampling and Analysis Plan – Early 2010
 - Perform Groundwater Monitoring – Spring 2010



Global Projects

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Historical Radiological Assessment (HRA)

- **Purpose**
 - Present a comprehensive history of radiological operations
 - Designates sites as impacted or non-impacted
- **Status**
 - RAB presentation on the HRA process – 4 June 2008
 - Fact Sheet on the HRA process – June 2008
 - RAB presentation on HRA findings – June 2009
 - Fact Sheet on the HRA – August 2009
 - Draft HRA Submitted – August 2009
- **Next Steps**
 - Submit Final HRA – Spring 2010
 - Perform Scoping Surveys – Spring/Summer 2010

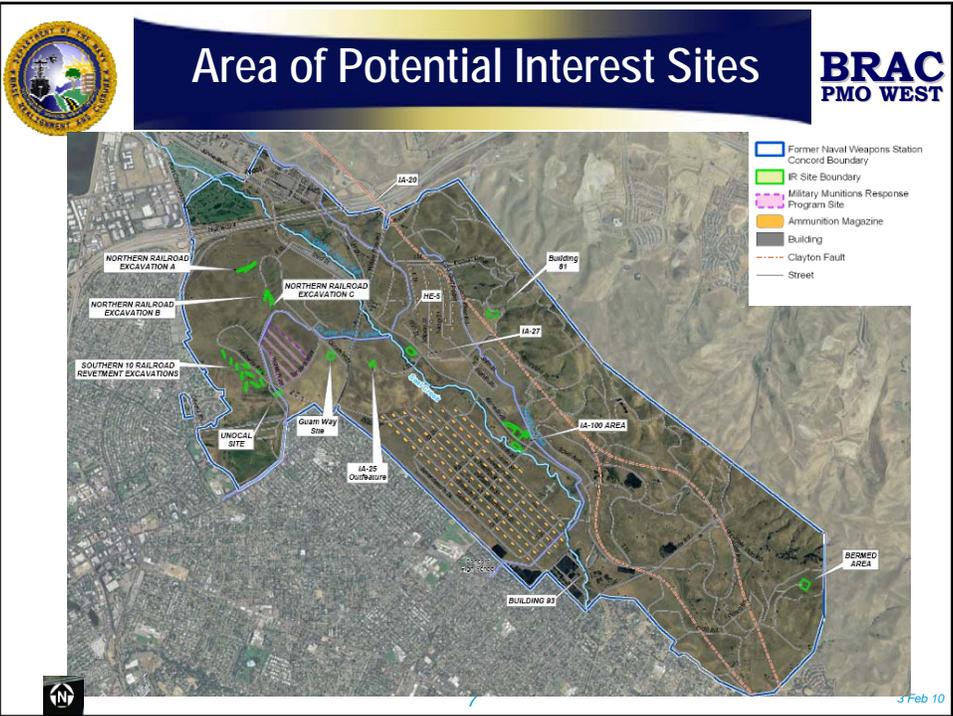


Global Projects

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Areas of Potential Interest (AOPI)

- **AOPI identified:**
 - Building IA-25 Outfeatures
 - Unfinished Railroad Revetments - Suspected disposal area
 - Magazine HE-5 - Suspected disposal area
 - 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
 - Bermed Area – Suspected explosive ordnance disposal area
 - Guam Way Area – Suspected disposal area
- **Status: Draft Work Plan – June 2009**
- **Next Steps –**
 - Draft Final Work Plan – Spring 2010
 - Initiate field work – Spring 2010



Global Projects

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Compliance Program

- **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**

8

3 Feb 10



Installation Restoration Projects

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Site 22 Main Magazine Area

• Status

- Final Remedial Investigation- February 2007
- Draft Feasibility Study- May 2008
- Draft Final Feasibility Study- October 2008
- Final Feasibility Study- November 2008



• Next Steps

- Proposed Plan - Spring 2010
- Draft Record of Decision – Spring/Summer 2010



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
- Final Remedial Investigation – June 2009

• Next Steps

- Draft Feasibility Study – 28 February 2010
- Draft Final Feasibility Study – June 2010
- Final Feasibility Study – July 2010
- Proposed Plan – March 2011





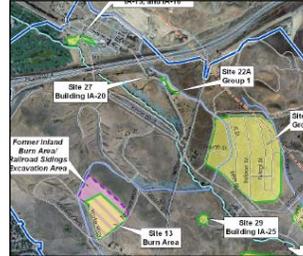
Installation Restoration Projects

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Site 27 Buildings IA-20 and IA-36

•Status

- Remedial Investigation Addendum Field Work - Oct 2007 to Mar 2008
- Final Time-Critical Removal Action Memo and Work Plan – Oct 2008
- Initiate TCRA Field Work – Oct 2008
- 9 Phases of TCRA Field Work – Oct 2008 to current



•Next Steps

- Complete TCRA Field Work – Spring 2010
- Draft Removal Action Completion Report – July 2010
- Draft Final Removal Action Completion Report – November 2010



Installation Restoration Projects

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Site 29 Building IA-25

•Status

- Initiated 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: 2007 - 2009
 - Lead analysis Fall 2009

•Next Steps

- Draft Remedial Investigation Report – July 2010





Installation Restoration Projects

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SWMUs 2, 5, 7, and 18

- SWMU 2 – Bldg IA-7 Fire Station
- SWMU 5 – Bldg IA-12 Locomotive Repair Shop
- SWMU 7 – Bldg IA-16 Paint Shop
- SWMU 18 – Bldg 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
- Draft Record of Decision – 27 March 2009
- Draft Final Record of Decision – 8 January 2010

• Next Steps

- Final Record of Decision – February 2010
- Draft Remedial Design – May 2010

13

3 Feb 10



Munitions Response Program Projects

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Final Preliminary Assessment (PA) – August 2007

• Status

- 4 Sites Recommended No Further Action
 - 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 Burn Area
- 1 Site Recommended for a Supplemental PA
 - Site 23A Inland Area EOD

14

3 Feb 10



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 Burn Area

• Status

- Final Site Inspection Work Plan – April 2008
- Site Inspection Field Work – Summer/Fall 2008
- Draft Site Inspections – April 2009
- Draft Remedial Investigation Work Plan – October 2009

• Next Steps

- Final Site Inspections – TBD
- Draft Final Remedial Investigation Work Plan – Spring 2010
- Final Remedial Investigation Work Plan - Summer 2010
- Remedial Investigation Field Work – Summer 2010

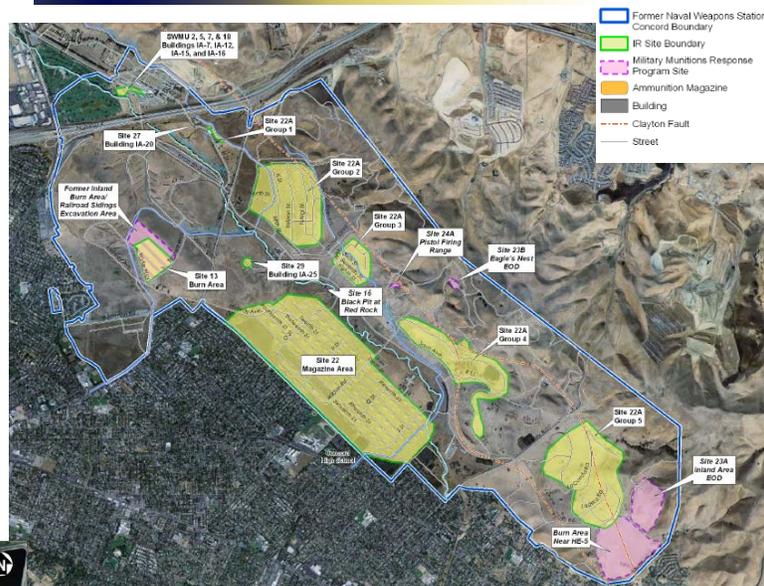
15

3 Feb 10



Site Map

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3 Feb 10



Munitions Response Program Projects

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Site 23A Inland Area EOD

- 1 Site Recommended for a Supplemental PA

- **Status**

- Draft Supplemental PA – 10 July 2008
- Draft Final Supplemental PA – 14 November 2008
- Final Supplemental PA – 20 January 2009
- Received No Further Action

- **Next Steps**

- Perform Further evaluation of a Bermed Area as an Area of Potential Interest



17

3 Feb 10



Munitions Response Program Projects

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Site 24A Former Pistol Firing Range

- **Status**

- Draft Site Inspection Work Plan – April 2008
- Final Site Inspection Work Plan – August 2009
- Site Inspection Field Work – Summer/Fall 2009

- **Next Steps**

- Draft Site Inspection Report – 23 February 2010
- Draft Final Site Inspection Report – May 2010
- Final Site Inspection Report – July 2010



18

3 Feb 10



QUESTIONS?

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ATTACHMENT E

**SOLID WASTE MANAGEMENT UNIT SITES 2, 5, 7, AND 18
RECORD OF DECISION PRESENTATION
RESTORATION ADVISORY BOARD MEETING
FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CALIFORNIA**

FEBRUARY 3, 2010
(8 Pages)



**Record of Decision for
SWMUs 2, 5, 7, and 18**

**Former Naval Weapons Station Seal Beach Detachment
Concord
RAB Meeting - February 3, 2010**



Presentation Overview

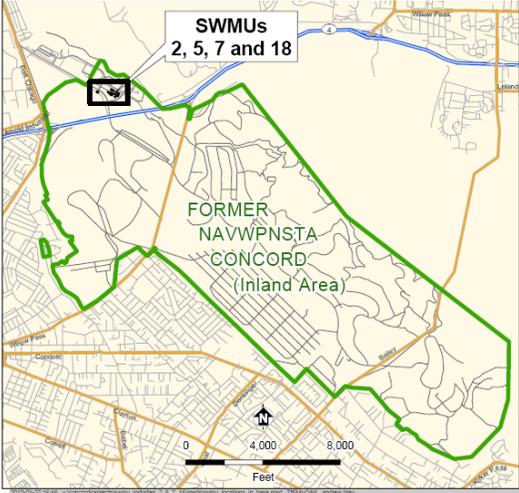
- Site Location
- Where we are in the CERCLA Process
- Chemicals and Media of Concern
- Selected Remedy
- What's Next?
- Questions

2



SWMUs 2, 5, 7, and 18 Location





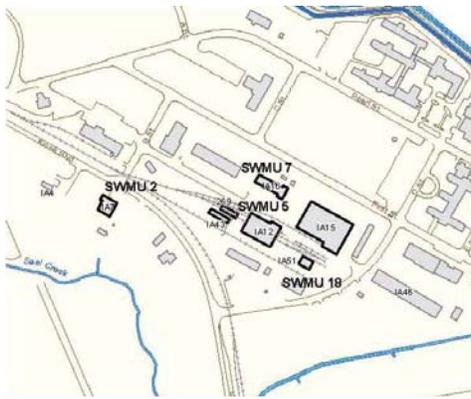
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3



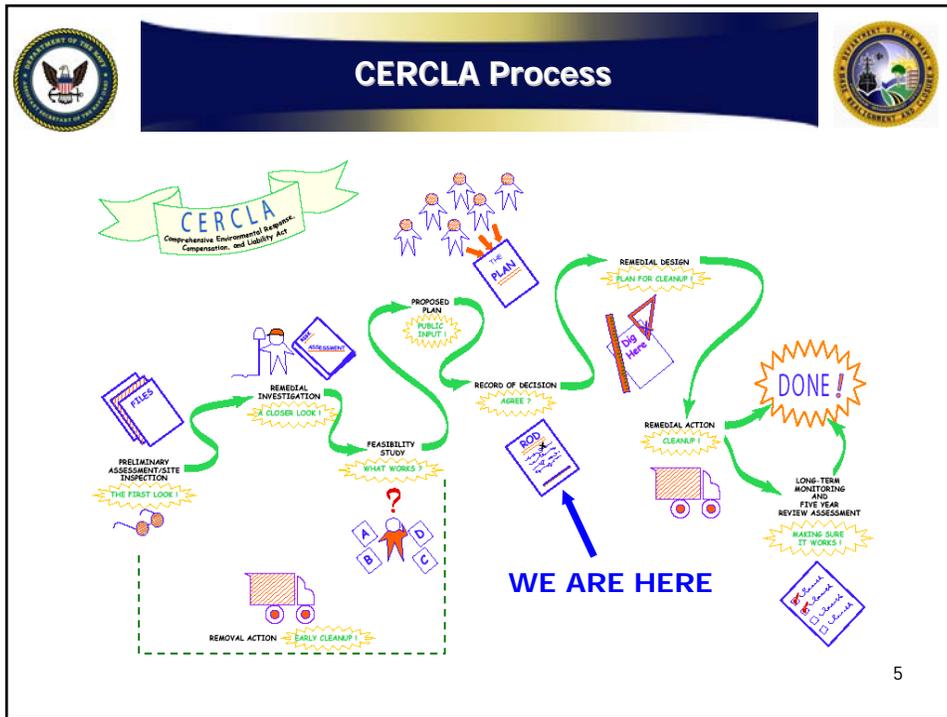
SWMUs 2, 5, 7, and 18 Location





... between B and D Streets, southwest of 1st Street, and northeast of Seal Creek.

4



-
- Background**
- Remedial Investigation (RI)
 - 158 soil samples
 - 40 grab groundwater and 14 monitoring well samples
 - 51 soil gas samples
 - RI Conclusions
 - DCE, PCE, and TCE in groundwater exceed drinking water thresholds
 - VOC concentrations in groundwater relatively stable
 - PCE concentrations in soil gas and groundwater pose a risk in indoor air under a future residential exposure scenario
 - No data gaps identified
- 6



Background



- Feasibility Study Conclusions
 - Air Sparging and Enhanced Bioremediation both ranked high in the comparative evaluation of alternatives
 - Air Sparging had been proven effective in a pilot study
 - Bioremediation effectiveness unproven
- Proposed Plan (October 7, 2008)
 - The preferred remedial alternative identified in the proposed plan was a combination of two alternatives presented in the FS:
 - Air sparging and SVE where concentrations of PCE > 10 µg/L
 - Enhanced bioremediation where concentrations of PCE are between 5 and 10 µg/L

7

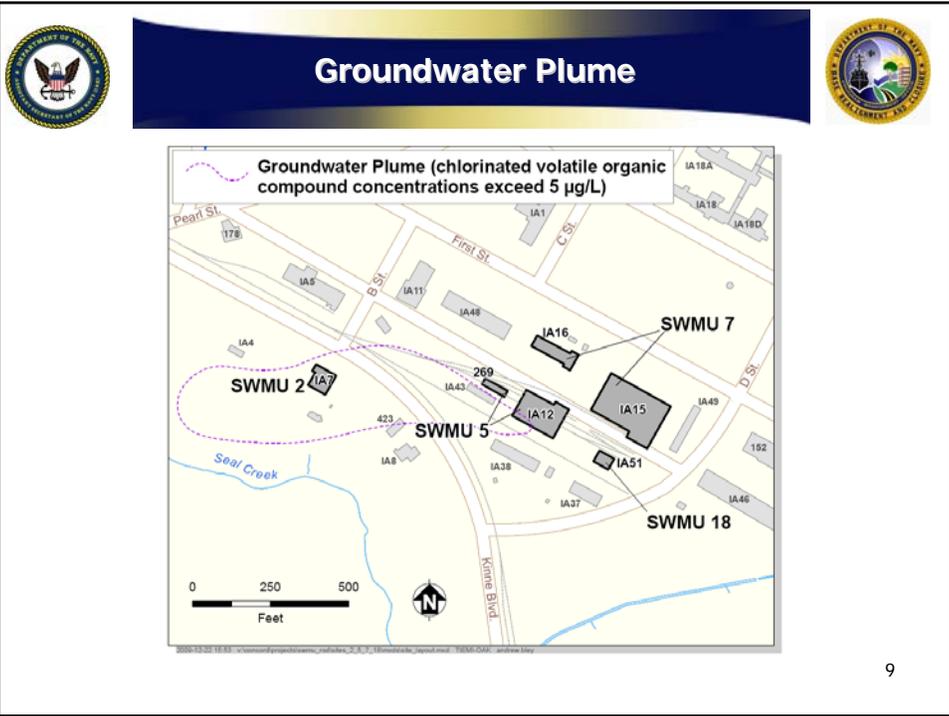


Chemicals and Media of Concern



- Concentrations of chlorinated solvents DCE, PCE, and TCE in groundwater exceed the federal and California maximum contaminant levels (drinking water standards)
 - Pose unacceptable risk to potential future residential receptors
- PCE concentrations in soil gas pose unacceptable risk to potential future residents via indoor air

8



9

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- Remedial Action Objectives**
- Prevent potential future indoor intrusion of vapors that contain PCE at concentrations that exceed the residential inhalation criteria developed in the RI Report.
 - Prevent domestic use of groundwater containing PCE, TCE, and DCE at concentrations that exceed California MCLs.
 - Prevent off-site migration of contaminated groundwater and control risk to humans from other non-drinking water pathways.

10



Final Selected Remedy in the ROD



- Air sparging and soil vapor extraction (SVE)
- There will be a restriction on residential use of the property and use of groundwater until the remedial action objectives are achieved

11



Change to Selected Remedy After Proposed Plan



- Air Sparging and SVE without Bioremediation
 - Pilot test demonstrated that air sparging is effective and can remediate the entire plume
 - Bioremediation has not been tested at site – not proven
 - Conflicting remedies: air sparging increases oxygen levels in the subsurface, whereas bioremediation relies on an oxygen-deficient environment

12

Air Sparging and Soil Vapor Extraction System

13

What's Next?

- Draft Final ROD will be revised to final 2/7/10
- Final ROD is expected to be signed by 2/21/09

14



15

ATTACHMENT F

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

FEBRUARY 3, 2010
(4 Pages)



Radiological Program Update

**Former Naval Weapons Station Seal Beach
Detachment Concord
RAB Meeting - February 3, 2010**



1



Presentation Overview

- HRA
 - Current Status
 - Path Forward
- Scoping Surveys
 - Current Status
- Questions

2



HRA Current Status



- RAB presentation on June 2009
- Draft HRA submitted in August 2009
- All comments received from regulators November 2009
- Finalizing Responses to Comments

- *Draft HRA is available for review*
 - *Information Repository*
Concord Public Library
2900 Salvio Street, Concord, CA, 94519
Phone: (925) 646-5455

 - *BRAC PMO website - <http://www.bracpmo.navy.mil/>*

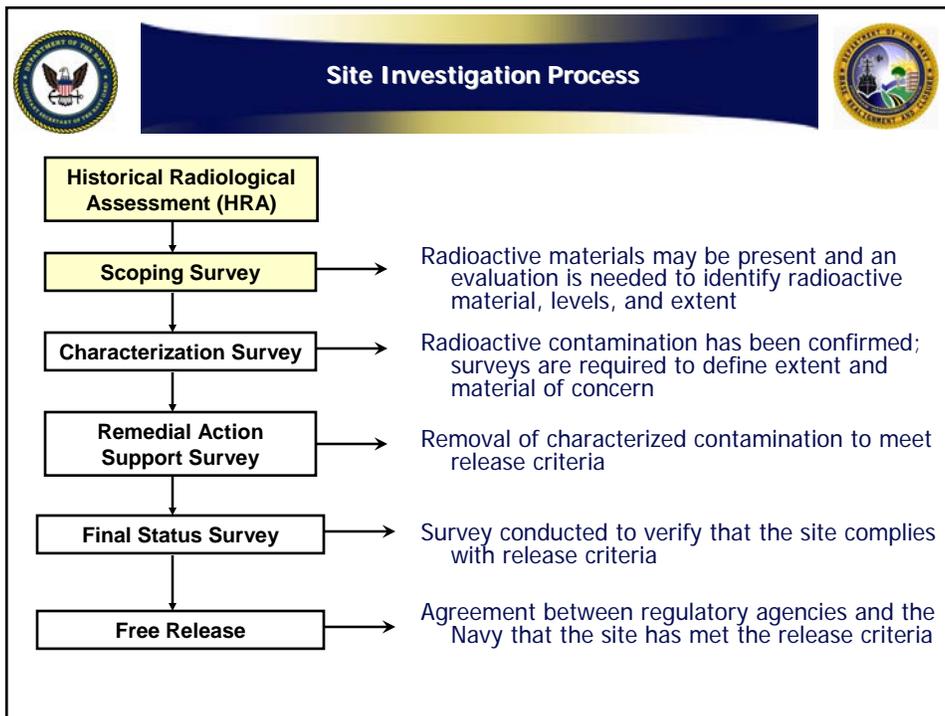


HRA Path Forward



- Obtain concurrence on Responses to Comments
 - March 2010

- Submit Final Historical Radiological Assessment
 - March/April 2010



Scoping Surveys – Current Status

- Project awarded in 2009
- Internal Draft Work Plan submitted to Navy
 - Review on hold until HRA is final (resource allocation)
- Site-specific plans being prepared
 - Review will begin following Navy approval of Draft Work Plan



Questions?