



TETRA TECH EM INC.

June 23, 2008

Dear RAB Members,

On behalf of the Navy, enclosed please find the April 2, 2008 final RAB meeting minutes for your information and records.

If there are any questions regarding the enclosed minutes, please contact Carolyn Hunter at (415) 222-8297 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
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD
CONCORD, CALIFORNIA
APRIL 2, 2008

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 Naval Weapons Station Seal Beach Detachment Concord (NAVWPNSTA Seal Beach Det Concord), California. The meeting was held from 6:30 p.m. to 8:30 p.m. on April 2, 2008, at the Concord Police Department 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.

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 [Navy] Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]), reviewed the agenda for the meeting on April 2, 2008. Mr. Newton noted the first presentation would be made by him, rather than by Sylwester Kosowski.

II. FEBRUARY 2008 RAB MEETING MINUTES APPROVAL

Ms. Williams asked the RAB for comments on minutes from the RAB meeting held on February 2, 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 February 2, 2008.

III. RAB ANNOUNCEMENTS

Ms. Williams opened the floor to RAB announcements. Mr. Newton reviewed the Navy, regulatory agency, and city of Concord (City) contact information for the RAB. Mr. Newton clarified for attendees his role on the project, stating he is a civilian employee with the Navy. Mr. Newton stated Michael Wright is the contact for the City, since Ric Notini is no longer with the City. Ms. Williams asked if Mr. Wright would be attending RAB meetings in the future. Mr. Newton said Mr. Wright had been invited to the RAB meetings, but did not know if he planned to attend.

Mr. Newton reviewed the draft agenda for the June 4, 2008 meeting, noting one change. The presentation about Navy documents required for property transfer will be presented by John Hill (Navy Base Closure Manager) instead of by La Rae Landers (Navy Lead Remedial Project Manager [RPM]).

Mr. Newton stated there is one RAB member with an excused absence, Mr. Kent Fickett (Mount Diablo Audubon Society). Mr. Newton reminded RAB members to contact him or Ms. Landers in advance of a RAB meeting if they plan to miss it in order to have an excused absence. Mr. Newton announced that Jeanette Concannon has resigned from the RAB.

Public Announcements

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

IV. RPM UPDATE

Navy Update

Ms. Landers presented the RPM update for ER Program activities at the Inland Area which have occurred since the last Inland Area RAB meeting in February 2008. Ms. Landers discussed a few of the key items on the RPM's Update handout (see Attachment C).

Ms. Landers noted the second round of groundwater monitoring for Site 29 was completed on February 15, 2008, and the Navy is currently awaiting laboratory results. Ms. Landers stated the Navy and regulatory agencies held a conference call on March 12, 2008 to discuss the primary revisions to the Site 22 Feasibility Study (FS) report, including the Remedial Alternative Ranking Table in the document. Ms. Landers added it was a productive call, and was especially helpful to discuss the ranking table.

Ms. Landers stated the Navy submitted the Final FS for Solid Waste Management Unit (SWMU) Sites 2, 5, 7, and 18 to the regulatory agencies and the RAB on March 20, 2008. Ms. Landers also stated the Navy distributed the Draft Final Military Munitions Response Program (MMRP) Site Inspection Work Plan to the regulatory agencies and the RAB on March 27, 2008. The MMRP Site Inspection Work Plan will be finalized on April 28, 2008. The Navy will be preparing those sites for field work, which is expected to begin in early May 2008.

Ms. Landers stated the Navy and the regulatory agencies went on a site walk on March 20, 2008 at Site 23A, also known as the Inland Area Explosive Ordnance Disposal (EOD). The purpose of the site walk was to get a first-hand look at what the team reviewed in historic aerial photographs and to look for evidence of past munitions disposal activities. A display of photographs from the site walk was presented during the meeting.

EPA Update

Philip Ramsey (EPA) discussed some of the site walk photographs that were presented during the Navy update. Mr. Ramsey described some of the evidence of munitions disposal found at the site, and gave descriptions of the topographical features of the site.

Mr. Ramsey also referred to the Site 22 FS March 12, 2008 conference call that was discussed during the Navy update. Mr. Ramsey stated it was helpful to have a discussion with the Navy as they are working on the document, rather than waiting to comment after the document is issued. Mr. Ramsey stated the nine criteria that have to be evaluated for each of the remedial alternatives was the focus of the discussion.

Mr. Ramsey also noted the Navy and regulatory agencies held another conference call on March 17, 2008 to discuss the primary revisions and the Remedial Alternative Ranking Table for the revised draft final FS for SWMU Sites 2, 5, 7, and 18. He noted that document is now finalized.

Luis Garcia-Bakarich (EPA) gave a brief update on public participation. Mr. Garcia-Bakarich stated he had received a phone inquiry from the activities director of the Terrace Neighborhood Senior Center. The group would like to know if there will be a public tour of the base that they can participate in sometime soon. Beth Byrne (Concord resident) asked Mr. Garcia-Bakarich what are the specific interests of the Terrace Neighborhood Senior Center. Mr. Garcia-Bakarich stated he did not know specifically what sites they were interested in seeing. Ms. Williams stated another group, the Contra Costa Council Navy League, is also interested in a tour, but their interest is primarily in the Port Chicago Explosion Monument. Mr. Ramsey stated the Navy League could attend the annual memorial event at the monument, which is held in July. Cindy Welles (Clyde resident) stated they could also contact the parks department to get a tour of the Port Chicago Explosion Monument.

Mr. Newton asked if the RAB would be interested in a site tour. The response was affirmative. Mr. Newton stated the only areas he could include on a tour would be the Inland Area ER Program sites. Mr. Newton added the Navy BRAC office would not have official possession of the Inland Area until official closure takes place, approximately the new fiscal year, in October 2008. Mr. Newton added it would be the ideal time to do a tour to avoid access issues for people who attend the tour. Mr. Newton stated he would look into the possibility of a RAB tour of the Inland Area sites in the fall 2008. Mr. Newton added the tour would be held specifically for the RAB, and community members interested in the Navy's ER Program of the Inland Area. Mr. Garcia-Bakarich stated he would contact the activities director for the Terrace Neighborhood Senior Center and find out what their specific sites of interest might be.

Action Item

2. The Navy will look into possible fall 2008 dates for a RAB tour of the Inland Area.

Department of Toxic Substances Control (DTSC) Update

Jim Pinasco (DTSC) stated he has been working diligently on some Tidal Area projects. He did not give an update on Inland Area projects.

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

Alan Friedman (Water Board) stated he is pleased to see action at the SWMU Sites 2, 5, 7, and 18. Mr. Friedman stated it is positive when sites move forward, and reminded the group the ultimate goal of cleanup is to reuse the sites.

V. SOLID WASTE MANAGEMENT UNIT SITES 2, 5, 7, AND 18 FINAL FEASIBILITY STUDY

Mr. Newton presented a poster with a list of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) steps, indicating the location of the FS step within CERCLA. Mr. Newton then thanked the regulatory agencies for their help in getting the sites this far in the CERCLA process. Mr. Newton continued with a presentation on the Final FS for SWMU Sites 2, 5, 7, and 18 (see Attachment D).

Shon Wolf (Clyde resident) asked about the costing alternatives in the presentation. He inquired if more than one option is used, do the costs and durations for those alternatives get added together. Mr. Newton responded if two alternatives are used together the costs and time frames for each would not be added together. Mr. Newton stated two or more alternatives would likely be used together in order to reduce the overall time frame for cleanup. If time frames are reduced, then cost would likely be reduced.

Ms. Byrne asked for the definitions of air sparging and bioremediation. Mr. Newton explained air sparging is a remediation technique used by injecting air into contaminated groundwater. Solvents, the contaminants of concern, prefer air and will move from water into air, making this an effective treatment. The air is then vacuumed out of the ground using soil vapor extraction. Mr. Newton explained bioremediation is the use of microorganisms to consume and degrade the contamination. There are already natural microorganisms in the groundwater, so they would be enhanced, or laboratory engineered microorganisms that are more efficient would be used. Ms. Welles asked how the microorganisms would be contained after the remediation is complete. Ms. Landers stated the microorganisms would be reduced and would stabilize because they would have nothing to feed on once the contaminant has been remediated. Ms. Landers added that the Navy has had success with bioremediation at former Naval Station Treasure Island in San Francisco.

Greg Glaser (Danville resident) asked what happens to the air that is vacuumed out of the ground during air sparging, and wanted to know if it would contaminate the air. Ms. Landers stated the levels of contamination are very low and would not contaminate the air when exhausted. Mr. Glaser noted there is an option of pump and treat on the list of alternatives, and it appears to be one of the slowest and most expensive. He asked why it would be considered. Mr. Freidman explained there may be uses for the pump and treat option, depending on the goal. Mr. Ramsey added pump and treat is a good option, for example, to protect drinking water and prevent migration of contamination. Ms. Landers explained pump and treat is not effective for this project. Mr. Pinasco added pump and treat is good if there are very high concentrations of contamination, and it can reduce them initially, and then another treatment can be used. However, these sites do not have high levels of contamination. Mr. Glaser asked if the contaminants would smell when vacuumed out. Mr. Ramsey stated the contaminants would not emit an odor, because their concentrations would have to be at exponentially higher levels to be smelled.

Mr. Newton summarized the presentation by stating these SWMU sites are the first sites in the BRAC 2005 round to reach this step in CERCLA. Mr. Newton noted the progress of these sites through the CERCLA process is a significant achievement, and thanked the regulatory agencies and Sylwester Kosowski (Navy RPM) for their hard work.

VI. INSTALLATION RESTORATION SITE 27 FIELD WORK UPDATE

Ms. Landers introduced John Bosche (Tetra Tech) to provide the Installation Restoration Site 27 Field Work Update. Mr. Bosche stated he would give a brief overview of the field work that has been conducted at the site. The presentation is included as Attachment E.

Mr. Wolf noted the white outline on slide number 5, and asked what it represents. Mr. Bosche explained it is a former underground storage tank that was removed. Mr. Bosche noted the Navy did not collect samples for chlordane in that area because it was backfilled with clean fill after the time when chlordane use was discontinued at NAVWPNSTA Seal Beach Det Concord. Ms. Landers explained chlordane was no longer used as a pesticide after 1988.

Ms. Welles asked Mr. Bosche to identify the squiggly line on the right-hand side of the aerial photograph on slide 8, and asked if it is a small tributary to Mt. Diablo Creek. Mr. Ramsey explained the squiggly line represents a creek that terminates before Mt. Diablo Creek, near the intersection of Highways 242 and 4. Ms. Welles asked if chlordane was getting into the creek, and Mr. Ramsey stated it is not.

Mr. Glaser asked if a risk assessment had been done. Mr. Bosche explained risk assessments had not been done, but that could be a next step. An ecological risk assessment and a human health risk

assessment are planned to be conducted at Site 27. Mr. Glaser asked how the current samples compare to previous samples collected in the area. Mr. Bosche stated this field work was conducted in support of an addendum to the initial Site 27 Remedial Investigation (RI) Report prepared in 1997. Samples were collected to fill in data gaps in that RI. Ms. Landers stated some of those samples were collected to test for metals, since those were not tested for previously. Ms. Landers also stated the ecological risk assessment must be done, even if a site does not have habitat to support ecological receptors.

Mr. Glaser asked if Site 27 is a high priority site for the EPA. Mr. Ramsey stated it is not. He added the site is small, and the number of samples collected given the small size shows a rigorous effort on the part of the Navy to characterize the site. Mr. Glaser asked if the site had received a lot of attention in the past, and noted the Mayor of Concord had attended a meeting about the site. Mr. Ramsey said the site had been at the Proposed Plan stage of CERCLA, and institutional controls were proposed. However, when the Inland Area was put through the BRAC process, the Navy wanted to wait for a reuse plan from the City before moving forward. The EPA suggested the Navy collect a few more samples instead of waiting, and the Navy agreed. The Navy discovered there is no chlordane under the buildings, and the chlordane detected around the buildings only extends out over short distances. Mr. Ramsey stated the Navy has been able to fast-track this site by taking those samples.

VII. OTHER TOPICS, NEXT MEETING, AND ACTION ITEMS

Mr. Newton stated the Navy would look into the possibility of a RAB tour of the Inland Area sometime in the fall 2008.

The agenda for June 4, 2008 includes the following presentations:

- Navy Documents Required for Property Transfer
- Historical Radiological Assessment Process

Ms. Williams asked the RAB to approve the June 2008 agenda, noting the change in the presenter for the property transfer presentation. The RAB voted to approve the meeting agenda.

Mr. Glaser asked about the Historical Radiological Assessment (HRA) document, and if it is related to the MMRP. Ms. Landers stated the HRA is not related to the MMRP.

The next Inland Area RAB meeting is scheduled for 6:30 to 8:30 p.m. on Wednesday, June 4, 2008 at the Concord Police Department.

The following action items were generated during the RAB meeting on April 2, 2008.

No.	Action Item	Target Date for Completion	Responsible Person	Completion Date (or Status)
1	The Navy will finalize and distribute the February 6, 2008, RAB meeting minutes.	4/7/08	C. Hunter	This action item was completed.
2	The Navy will look into possible fall 2008 dates for a RAB tour of the Inland Area.	6/4/08	D. Newton	An update will be provided at the June 2008 RAB meeting.

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

APRIL 2, 2008

(One Page)

**ATTENDEES AND AFFILIATIONS
 RESTORATION ADVISORY BOARD MEETING
 NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA
 APRIL 2, 2008**

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Wayne Akiyama	Shaw Group Inc.	(925) 288-2003
Luis Garcia-Bakarich	EPA	(415) 972-3237
John Bosche	Tetra Tech	(415) 222-8295
Beth Byrne	Concord Resident	(925) 686-4815
Harry Byrne	Concord Resident	(925) 686-4815
Tommie Jean Damrel	Tetra Tech	(415) 222-8232
Alan Friedman	Water Board	(510) 622-2347
Gregory Glaser*	Concord Resident	(925) 363-5570
John Kaiser	Water Board	(510) 622-2368
La Rae Landers	Navy, BRAC PMO West	(619) 532-0970
Darren Newton	Navy, BRAC PMO West	(619) 532-0963
Jim Pinasco	DTSC	(916) 255-3719
Philip Ramsey	EPA	(415) 972-3006
Cindi Rose	Tetra Tech	(415) 222-8286
Cindy Welles*	Clyde Resident	(925) 685-2698
Mary Lou Williams*	Concord Resident	(925) 685-1415
Shon Wolf*	Clyde Resident	(925) 686-5942

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
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**APRIL 2, 2008
(1 Page)**

INLAND AREA AGENDA

NAVAL WEAPONS STATION SEAL BEACH (NWSSB) DETACHMENT CONCORD RESTORATION ADVISORY BOARD (RAB) MEETING

Wednesday, April 2, 2008

6:30 p.m. – 8:30 p.m.

Location: Concord Police Department
1350 Galindo Street
Concord, CA 94520

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- 6:30 – 6:45 Call to Order
- Welcome
 - Introductions/Agenda Review
 - Approval of February 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)
 - Remedial Project Managers' (RPM) Update (Navy/EPA/DTSC/RWQCB)
 - City of Concord Update
- 7:30 – 7:40 Break
- 7:40 – 8:10 Presentation: Solid Waste Management Unit (SWMUs) 2, 5, 7, 18 Revised Draft Final Feasibility Study
Navy RPM: Sylwester Kosowski
- 8:10 – 8:25 Presentation: Site 27 Field Work Update
Navy RPM: La Rae Landers
- 8:25 – 8:30 Meeting Evaluation and Topic Suggestions of Future Meetings
Next RAB Meeting: May 7, 2008 (Tidal Area)
June 2008 Agenda Approval
- 8:30 Adjourn

Next RAB Meetings

- Tidal Area: May 7, 2008
- Inland Area: June 4, 2008

*NWSSB DETACHMENT CONCORD RAB Meetings are held the first Wednesday of every month, unless changed.
Information regarding the Environmental Restoration program at NWSSB Detachment Concord can be found at:*

<http://www.bracpmo.navy.mil/brac2005/bracbases/ca/concord/default.aspx>

In addition, a public voicemail is available for questions at (925) 246-4020

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 MANAGER'S UPDATE
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

APRIL 2, 2008

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Navy Remedial Project Manager (RPM) Update for 2 April 2008 Meeting of Naval Weapons Station Concord Restoration Advisory Board (RAB)

Summary of Navy Base Realignment and Closure (BRAC)
Inland Area RPM activities since the last RAB meeting held on
Wednesday, 6 February 2008

Installation Restoration/Munitions Response Programs Sites

- February 5, 2008 - Submitted a letter requesting a schedule extension for the Site 27 (Buildings IA-20 and IA-36) Draft Remedial Investigation (RI) Report Addendum. The draft is scheduled for distribution to the Regulatory Agencies and RAB for review on August 15, 2008.
- February 15, 2008 – Completed second round of groundwater monitoring at Site 29 (Building IA-25). Waiting for laboratory results to be validated.
- February 19, 2008 – Held a conference call to discuss the Site 27 analytical results of the most recent surface soil step-out sampling. The team determined which archived samples should be analyzed. Waiting for validated data before scoping the RI Report Addendum with the Regulatory Agencies.
- February 21, 2008 - Submitted the final meeting minutes on the Site 22 (Main Magazine Area) Feasibility Study (FS) scoping meeting to Regulatory Agencies.
- March 1, 2008 – Received validated data from additional step-out surface soil sampling at location 7SHSB134 at Site 22. The results will be used in the draft Site 22 FS Report to evaluate remedial alternatives for the hot spot due to ecological risk. The draft FS Report is scheduled for May 25, 2008.
- March 12, 2008 - Held a conference call with the Regulatory Agencies to discuss the primary revisions to the draft Site 22 FS Report and Remedial Alternative Ranking Table. The draft FS Report is scheduled for May 25, 2008.
- March 20, 2008 – Held a site walk with the Regulatory Agencies (U.S. EPA and DTSC) at Site 23A (Inland Area EOD) to review historic aerial photographs and look for evidence of past munitions disposal activities.
- March 27, 2008 – Distributed the Draft Final MMRP Site Inspection Work Plan to the Regulatory Agencies and RAB for review. The work plan is scheduled to become final on April 28, 2008.
- March 17, 2008 - Held a conference call with Regulatory Agencies to discuss the primary revisions and Remedial Alternative Ranking Table for the revised draft final SWMUs Sites 2, 5, 7 and 18 FS Report.
- March 20, 2008 - Submitted the final SWMUs Sites 2, 5, 7 and 18 FS Report to Regulatory Agencies and RAB.
- March 24, 2008 - Received Tier 2 surface soil samples validated results at Site 22A (Group 1-5 Magazine Areas). The results will be evaluated and incorporated in the RI Report. The RI Report is scheduled for September 20, 2008.

ATTACHMENT D

**SOLID WASTE MANAGEMENT UNIT SITES 2, 5, 7, AND 18
FINAL FEASIBILITY STUDY PRESENTATION
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

APRIL 2, 2008
(5 Pages)



**BRAC
PMO**

Naval Weapons Station Seal Beach Detachment Concord

Solid Waste Management Unit Sites 2, 5, 7 & 18 Final Feasibility Study

RAB Update – April 2, 2008

1

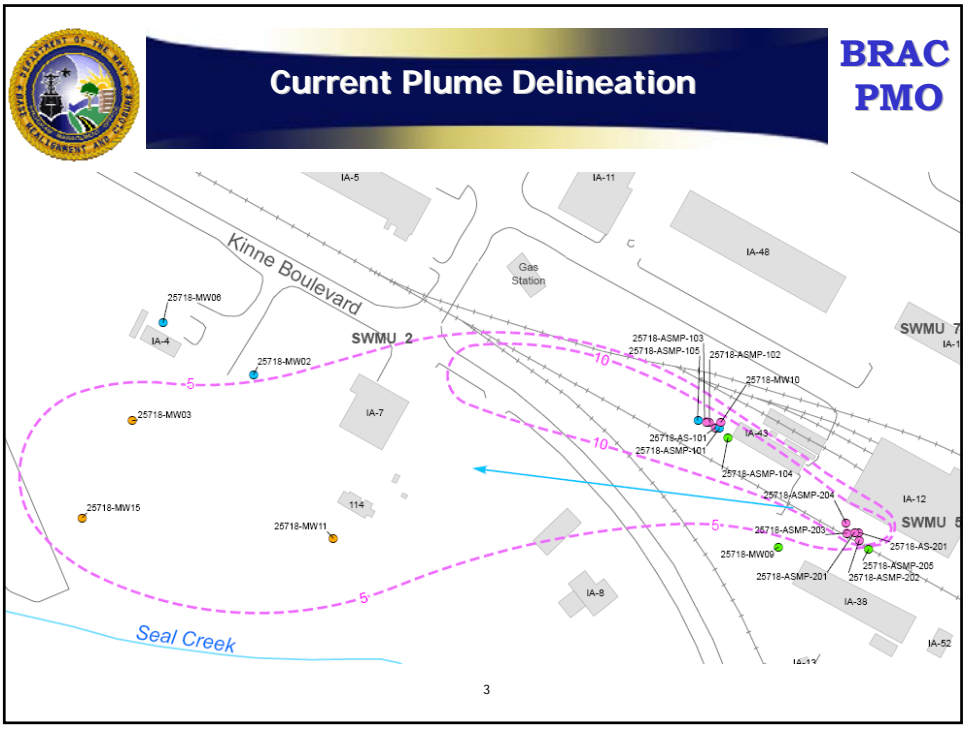



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Background

- **A plume of chlorinated solvents exists at the SWMUs site; the chlorinated solvents include Perchloroethylene (PCE) and Trichloroethylene (TCE)**
- **2002 - Site Investigation**
- **March 2004 – Remedial Investigation (RI)**
- **April 2005 - Draft Final Feasibility Study (FS)**
- **January 2007 - A pilot study work plan/sampling and analysis plan was developed for the Air Sparging (AS) and Soil Vapor Extraction (SVE) pilot test**
- **February-March 2007 - Pilot study field work completed**
- **July 11, 2007 - RAB Update on AS/SVE pilot test**

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- ## AS/SVE Sub-Alternatives
- **Alternative 2A: Air sparging within the 5ug/L PCE contour**
 - 4 years to complete
 - 2 years of air sparging
 - 2 years confirmation/rebound monitoring

 - **Alternative 2B: Air sparging within 10 ug/L PCE contour, MNA within the 5 µg/L PCE contour**
 - 10 years to complete
 - 2 years of air sparging within 10 ug/L PCE contour
 - 10 years of MNA within the 5 µg/L PCE contour
- 4



Bioremediation Sub-Alternatives

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- **Alternative 3A: Bioremediation within the 5 µg/L PCE contour**
 - 5 years to complete
 - 3 years treatment (Each injection last 18 months)
 - 2 years confirmation/rebound monitoring
- **Alternative 3B: Bioremediation within 10 µg/L PCE contour, MNA within the 5 µg/L PCE contour**
 - 10 years to complete
 - 3 years of treatment within 10 µg/L PCE contour
 - 10 years of MNA within the 5 µg/L PCE contour

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Pump and Treat Sub-Alternatives

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- **Alternative 4A: Pump & treat within the 5 µg/L PCE contour**
 - 20 years to complete
 - 20 years of pump & treat based on PCE concentrations and experience at other Navy installations
- **Alternative 4B: Pump & treat within 10 µg/L PCE contour, MNA within the 5 µg/L PCE contour**
 - 20 years to complete
 - 20 years of pump & treat within 10 µg/L PCE contour
 - 10 years of MNA within the 5 µg/L PCE contour

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Costing of Alternatives

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	1: No Action	2A: Air Sparging	2B: Air Sparging & MNA	3A: Bioremediation	3B: Bioremediation & MNA	4A: Pump and Treat	4B: Pump and Treat & MNA
Remediation Time Frame	75 years	4 years	10 years	5 years	10 years	20 years	20 years
Cost (in millions)	\$0	\$3.2	\$2.5	\$2.1	\$1.8	\$5.2	\$3.8

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Schedule

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- **March 20, 2008 – Final Feasibility Study**
- **November 30, 2008 – Proposed Plan**

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Questions?

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ATTACHMENT E

**INSTALLATION RESTORATION SITE 27 FIELD WORK UPDATE PRESENTATION
RESTORATION ADVISORY BOARD MEETING
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

APRIL 2, 2008

(4 Pages)



Installation Restoration (IR) Site 27

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Field Work Update

Naval Weapons Station Seal Beach
Detachment Concord, Concord, California

Restoration Advisory Board Meeting



April 2, 2008



Site 27 Buildings

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Site 27 Boiler House (Bldg IA-36) and
Chemical and Materials Testing Laboratory (Bldg IA-20)



Samples Collected

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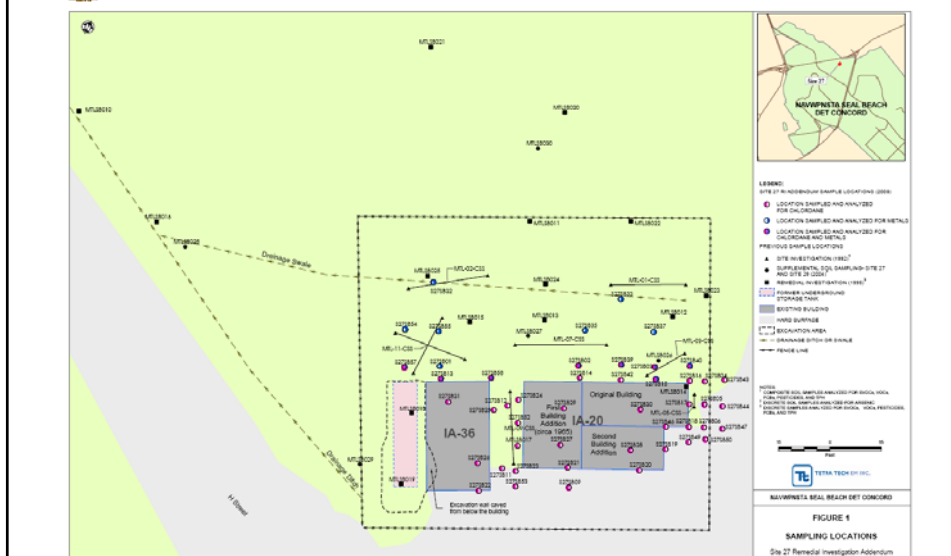
- 89 samples collected in October 2007
 - 57 samples analyzed for chlordane
 - 10 samples analyzed for metals
- 83 samples collected in January 2008
 - 29 samples analyzed for chlordane
 - 12 samples analyzed for metals

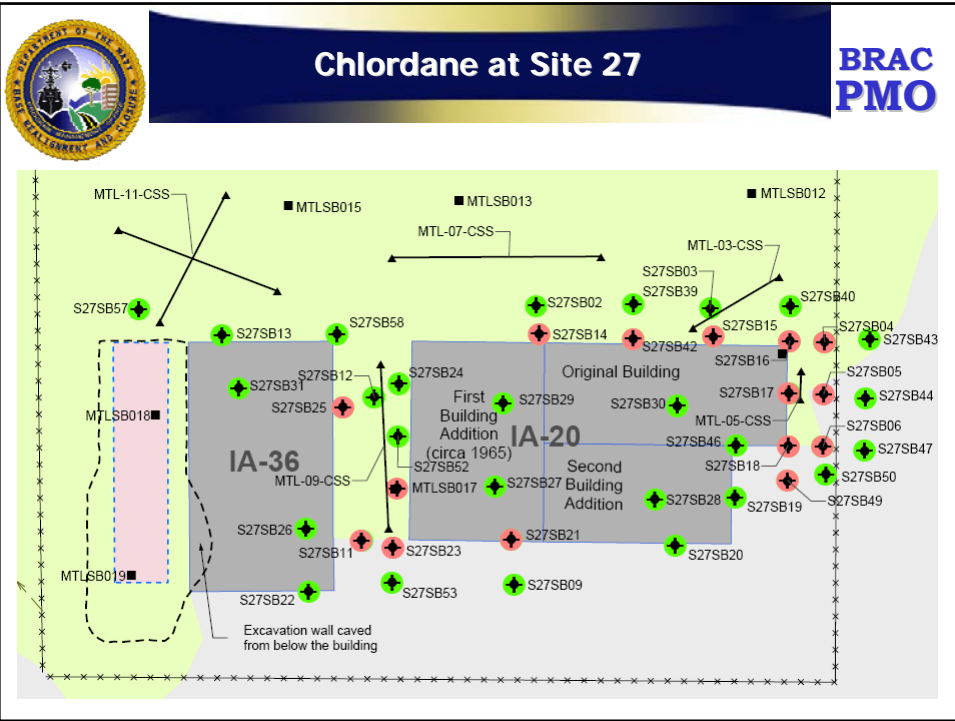
3



Sampling Locations

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-
- Next Steps at Site 27**
- BRAC PMO
- Metals detected above 2004 residential PRG and background: *Arsenic and Lead*
 - Metals detected above ecological screening criteria and background: *Aluminum, Antimony, Arsenic, Cadmium, Copper, Lead, Mercury, Vanadium, and Zinc*
 - Metals will be evaluated through a Human Health Risk Assessment
 - Ecological Risk Assessment will evaluate entire site
 - Chlordane being assessed to see if results are sufficient to support proper application in accordance with industry standards



Project Schedule

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Draft RI Addendum
15 August 2008

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Questions?

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Aerial Photo
from June 27,
2002

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