



# FINAL NAVAL AIR STATION ALAMEDA Restoration Advisory Board (RAB) Meeting Minutes

July 12, 2012

[www.bracpmo.navy.mil](http://www.bracpmo.navy.mil)

950 West Mall Square, Alameda City Hall West  
Room 140, Community Conference Room  
Alameda Point  
Alameda, California

The following participants attended the meeting:

### Co-Chairs:

Derek Robinson      Base Realignment and Closure (BRAC) Program Management Office  
(PMO) West, BRAC Environmental Coordinator (BEC), Navy Co-chair

Dale Smith            Restoration Advisory Board (RAB) Community Co-chair

### RAB Members

Richard Bangert; Carol Gottstein, M.D.; Daniel Hoy; George Humphreys; James Leach; Bert Morgan; Kurt Peterson; James Sweeney; Michael John Torrey.

### Community Members/ Public Attendees

Susan Galleymore

### Navy Attendees

Tony Guiang, Remedial Project Manager (RPM)

Bill McGinnis, Lead RPM

### Regulatory Agencies

James Fyfe, California EPA Department of Toxic Substances Control (DTSC)

Wayne Hagen, DTSC

Xuan-Mai Tran, Environmental Protection Agency (EPA)

John West, San Francisco Bay Regional Water Quality Control Board Water Board

### City of Alameda

Doug deHaan, Councilmember

Peter Russell, Russell Resources, City of Alameda

## **Contractors**

Carolyn Hunter, Tetra Tech EMI

John McGuire, Shaw Environmental and Infrastructure

John McMillan, Shaw Environmental and Infrastructure

Tommie Jean Valmassy, Tetra Tech EMI

Howard Wittenberg, ERS

The meeting agenda is provided as [Attachment A](#), along with the RAB Calendar.

## **MEETING SUMMARY**

### **I. Welcome and Introductions**

Dale Smith (RAB Community Co-chair) called the July 2012 former Naval Air Station Alameda (Alameda Point [AP]) RAB meeting to order. Derek Robinson (Navy Co-chair) welcomed all to the meeting, and asked for introductions.

### **II. Community and RAB Comment Period**

Susan Galleymore (Community member) asked what “free release” means, as mentioned on one of the handouts. Mr. Robinson said he would go over that during the RAD Building Scans update, item V on the agenda.

Jim Leach (RAB member) said the recent community tour (held on June 23, 2012) was very well-received. He felt it was one of the best tours that the Navy has had at AP, and added that his guests learned quite a bit. Michael John Torrey (RAB member) noted the calendar handout ([Attachment A](#)) has the wrong date for the tour. The calendar will be corrected on the next update.

George Humphreys (RAB member) said there was a letter from the RAB to the Navy, submitted in November 2011, which was attached to the March 2012 RAB minutes. That letter contained several action items that were supposed to be included on the action items list. Ms. Smith noted that some of those action items are complete. She and Mr. Humphreys will review that list and let Mr. Robinson know which ones still need to be added to the action items list.

Mr. Humphreys said, regarding the site tour, there was some confusion about the gas vents at Site 2. The presentation given on the bus left the impression that there is a gas collection system, because Jacques Lord (Navy, not present) referred to gas collection lines. Mr. Humphreys said the vents appeared to be capped, so no venting can occur and asked the Navy to confirm that. Mr. Humphreys said that during the tour Mr. Lord was asked about gas generation at the Site 2 landfill, and Mr. Lord said there is very little gas generated because the landfill contains a large percentage of construction debris. Mr. Humphreys noted there is hazardous waste at the landfill, not just construction debris, but added he believes there is little to no landfill gas generated at this site because of the long time period that has elapsed. Ms. Smith noted these points were made in a letter that the RAB sent to the Navy.

### III. Co-Chair Announcements

Ms. Smith said the Navy had proposed a RAB subcommittee be created to discuss hydroseeding at Site 2. She noted it should just be called a committee, not a subcommittee. She said the process was difficult and did not go well, with inadequate advanced notice given for RAB members to have a conference call. She added that multiple RAB members provided comments to the Navy, but those comments were not shared or discussed in advance as a committee, which she thought was the point of having a committee.

Ms. Smith asked if the hydroseeding comments she provided, and those provided by other RAB members, had been given to the landscape architect, and asked if she will receive a response to her comments. Mr. McGinnis said they were, and comments will receive a response. Ms. Smith gave a general overview of the comments she had provided, including the following points:

- An ecologist with an advanced degree, rather than a landscape architect, should be hired to determine the appropriate seed mix for hydroseeding.
- The correct native plants should be used, and her comments provide several suggestions.
- Local seeds should be used because they survive better and will thrive in the local climate.
- No new plants should be introduced that may interfere with extant plants.
- A professional should refer to *The Jepson Manual of Vascular Plants of California* to determine the best plants to use at Site 2. The current list of plants being planned for use is too extensive, with too many species. Annuals have been included on the list but will not survive the first year because there are no native pollinators; those should be introduced later. In addition, the grasses on the list thrive in clay, rather than the sandy soil found at AP.
- Seeding should be done in November or December for optimal weather conditions; later than that, the seeds likely will not thrive or survive.

Richard Bangert (RAB member) said he submitted comments directly to the Navy. He was ready to participate in a committee meeting, but it was never officially scheduled. Carol Gottstein (RAB member) said she also submitted comments directly to the Navy because there was never an opportunity to schedule a committee meeting that would work for her, and she understood a response was due immediately. Mr. Torrey agreed that the process did not go well, and added he had expected to meet in person as a committee and make recommendations to the full RAB, then the board could provide one set of comments. Mr. Robinson said he had a different expectation. Mr. Robinson said he appreciated the time and effort from all of the RAB members who submitted comments, and apologized that the committee process was did not go more smoothly. He added that the Navy will make sure the contractor considers all of the comments that were provided. Ms. Smith said that she had previously suggested to Mr. Robinson that the Navy use native plants, and wanted to acknowledge that he was attempting to do that with this project.

In other co-chair announcements, Ms. Smith said the majority of the RAB members signed a letter with comments on the 90-percent design for Site 2. She asked that the letter be attached to the next set of minutes ([Attachment B-1](#)). Mr. Robinson stated there has been a great deal of

public interest in Site 2, and the Navy will try to incorporate public preferences. For example, the Navy ultimately will try to leave the area unfenced, or will make it a short fence if possible. Ms. Smith said that the former EPA project manager, Anna-Marie Cook, said a fence must be there. Mr. Robinson clarified that a fence must be in place now, during remediation, but after that is complete it may be possible to have no fence, or a less obtrusive fence.

Mr. Robinson reviewed the RAB calendar, noting the dates for the Operable Unit (OU) 2C Proposed Plan (PP) and the OU-2B PP. He asked if the RAB would like to have an abridged September RAB meeting and the official PP meeting following the RAB, or if the members would prefer to have the PP meeting on a different date. Ms. Smith asked when the RAB would receive the document for review. Mr. Robinson said the OU2C PP will likely be issued in late August or early September. Mr. McGinnis noted the public meeting for a PP is typically in the middle of the 30-day comment period. Mr. Robinson said he will explain the two OU-2C PP meeting options in an email to Ms. Smith and she can request that the RAB members vote as soon as possible so an agenda can be prepared for the September RAB meeting.

Mr. Robinson said the calendar shows the remaining RAB meetings for the year are September and November. When meetings were held monthly, the RAB would hold Community Co-Chair nominations in November and vote in December, with the official term beginning in January. Mr. Robinson asked if the RAB would like to have nominations in September and voting in November, or nominations in November and voting in January. After some discussion it was agreed that Mr. Robinson will add nominations to the November meeting agenda and voting to the January meeting agenda.

Mr. Robinson announced that all of the stockpiled soil is now gone from Site 24. The fence is still in place, but will soon be removed. He thanked Mr. McGinnis and Lora Battaglia (Navy) for their efforts at that site. Mr. Bangert asked what percentage of the soil was used at AP and to which landfill the rest was sent. Mr. McGinnis said more than half of the soil was reused at AP. He said the landfill may be at Buttonwillow, California, but he would have to confirm that. [After the meeting it was confirmed that the landfill to be used will be Buttonwillow Landfill, operated by Clean Harbors.]

#### **IV. Site 34 Remedial Design**

Mr. Robinson introduced Tony Guiang (Navy) to present an update on the Remedial Design (RD) for Site 34 ([Attachment B-2](#)). Mr. Humphreys asked if Site 34 is the location of the poor quality seasonal wetlands. He noted there was an old map that showed the southwest corner of the site was wetlands. Mr. Guiang confirmed that it is. Ms. Smith said she had previously commented that there would be no need for the Navy to replace the weeds in that area, and asked if the Navy has now confirmed that area is not a wetland. Mr. Robinson said that is correct, it has been determined that particular area is not a wetland; Ms. Smith said she agreed.

During the review of slide 7, Daniel Hoy (RAB member) asked how the locations for the initial samples were determined. Mr. Guiang said they were biased towards areas where certain historical activities had occurred, then other samples were collected over a grid pattern. He clarified that the black and red dots represented sample locations from previous investigations, and that the red dots represent locations where contaminants were reported at levels that exceeded their respective remedial goals.

Mr. Guiang turned the presentation over to the Howard Wittenberg (ERS), the contractor working on the design. Referring back to Slide 7, Mr. Peterson asked if all of the structures at the site had been removed, and whether the slabs remain and will continue to remain in place, even if there is contamination beneath them. Mr. Wittenberg said structures have been removed, although slabs are in place. However, if there is any contamination beneath a slab, the slab will be removed so that the contamination beneath it can be removed.

Ms. Galleymore asked what the “off-site” location mentioned on slide 8 refers to. Mr. Wittenberg said if the material is classified as non-hazardous, the material may go to the landfill at Altamont. If it is classified as hazardous, it will have to go out-of-state to a facility such as Arlington in Oregon or US Ecology in Nevada. Mr. Humphreys asked if the hazardous waste might go to the Kettleman landfill. Mr. Wittenberg said no, Kettleman is currently accepting little or no waste. Mr. Guiang explained that details regarding the removal action would be outlined in the Remedial Design/Remedial Action Work Plan.

During the review of slide 11, Mr. Peterson asked for clarification about what the different colored dots represented. As noted earlier, Mr. Wittenberg said the black and red dots are both from previous investigations; red dots are where contaminants were reported at levels exceeding their respective remedial goals. The blue dots shown on Slide 11 are the locations where pre-design samples were collected. The results of the pre-design sampling are not represented on the map.

Mr. Peterson asked if the light outlines were the location of buildings and, if so, why the contamination seems to be located all along the buildings. Mr. Wittenberg said the outlines are structures and the contamination is likely from lead-based paint (LBP), which was historically painted on the outside of the structures. He added that arsenic is often associated with LBP. Dr. Gottstein said arsenic is also often used as a rodenticide and asked if that could explain the presence of arsenic. Doug deHaan (Alameda Council member) said he used to work at AP when it was an active station and this area was used as a plating operation. Barges from Point Molate would discharge their fuel in the area and the fuel contained lead. That is why fuel and lead contamination are found together in the ground.

Mr. Bangert asked to what depth samples were collected in the northeast portion of the site. Mr. Wittenberg said the depth varied from 2.5 feet in some areas to as much as 7 feet in others. Mr. Bangert noted 7 feet is the depth of the water table, and asked why samples were not collected in the marsh. Mr. Wittenberg said the team had a defined boundary for the contamination based on sampling data before they reached the marsh area, and he is confident the contamination did not reach the marsh area. Mr. Bangert asked if the storm water pipelines in that area could be providing a pathway for contamination, not inside the pipeline but along the outside of it. Mr. McGinnis said the majority of contamination has low water solubility; it adheres to the soil, so water movement transporting contaminants along the outside of the pipeline is not considered a significant pathway. Mr. Humphreys noted that arsenic trioxide was used as a weed killer and used to be used along railroad tracks.

Mr. Peterson said there should be more samples taken where the red dots appear. Mr. Guiang said the Navy will collect additional samples during the removal action. Ms. Smith asked to what depth the samples will be collected. Mr. Wittenberg said it varies, but generally to about 7

feet. She asked if clean soil was found at that depth and Mr. Wittenberg confirmed that it was. The Navy expects to remove about 2,000 cubic yards of soil.

Mr. Guiang presented the remedial action schedule beginning on slide 13. Mr. Humphreys asked what RACR stands for (Remedial Action Completion Report). Mr. Guiang said the Draft Remedial Design/Remedial Action Work Plan will be issued on July 31 and a copy will be made available at the information repository on AP. Mr. Humphreys noted all of the work is for soil, and asked if there is any groundwater contamination at the site. Mr. Guiang said groundwater at Site 34 is not considered a potential drinking water source. In addition, the Human Health Risk Assessment and Ecological Risk Assessment conducted for Site 34 both found there were no chemicals in groundwater that would result in adverse effects to human health or the environment. Ms. Smith asked about the presence of total petroleum hydrocarbons (TPH) in groundwater. Mr. Guiang said TPH was only present in soil at Site 34 and not in groundwater.

## **V. RAD Building Scans**

Mr. Robinson reviewed the Radiological Scan Summary Table ([Attachment B-3](#)). He noted the table provides the name of the site, the date(s) the site was surveyed, the current status, and the proposed recommendation for the site. Mr. Hoy asked what is meant by a survey. Mr. Robinson said it is a physical survey in which the walls and floors of buildings are scanned to look for elevated radioactivity. He said radiological contamination may be present because of luminescent paint that was used in various buildings, or because of smelting activities in certain buildings.

Mr. Peterson asked about the process for reviewing the radiological scan data. Mr. Robinson said the Environmental Management Branch (EMB) of the California Department of Public Health (CDPH) will review the Final Status Survey Report (FSSR) and then conduct its own surveys for a percentage of the sites. Ms. Galleymore asked what “free release” means, as listed for several sites in the proposed recommendation column. Mr. Robinson said it means there were no radiological issues found with the building, and the building is ready to be used. However, he noted that release for use is only in relation to radiological issues; there could be other issues that need to be addressed in a given building, such as the presence of LBP. Mr. Robinson noted that two buildings on AP have radiological issues that need to be addressed, Building 5 and Building 400.

Mr. Humphreys asked where the former smelting area is located. It was pointed out on the map as east of Seaplane Lagoon near Building 66. Mr. Torrey asked how much radiation was found there, and Mr. Robinson said he did not have that information with him. Mr. Bangert asked what Building 7 is and why it is listed on the table as not being surveyed. James Fyfe (DTSC) said that is a location where an instrument was used that may have had a radiological component. The instrument was supposed to be shipped off-site but was never received and was also not found at the building. The instrument contained a sealed source of radiation and was not believed to have been broken on-site, so there was no release of radiological material to contaminate the building. Since there was no release, it was not necessary to scan the building.

Mr. Hoy asked how it was determined that the sites on the list should be included on the list. Mr. Robinson said it is based on information from the Historical Radiological Assessment.

Ms. Smith said she received three documents related to Building 66 but had not received documents related to any of the other buildings on the table. Mr. Fyfe explained Building 66 is the first FSSR the Navy is preparing for AP. The regulatory agencies will provide comments on content and format that can be applied consistently to the rest of the FSSRs. Ms. Smith asked how a building is ultimately released and how she can learn more about the radiological program at AP. Mr. Robinson said the FSSRs have full information. He explained CDPH will do its own scans, and CDPH is the agency that will grant free release of buildings. Mr. Bangert asked if CDPH will scan all of the buildings. Mr. Fyfe said CDPH will scan all of the buildings for which free release is requested, although a percentage of the building is scanned, which he estimated to be ten percent.

## **VI. BCT Update**

Mr. Fyfe gave an update on what the Base Realignment and Closure [BRAC] Cleanup Team (BCT) discussed at the BCT meetings since the last RAB meeting. Discussions included:

- Site 2 Remedial Design/Remedial Action (RD/RA) – the regulatory agencies discussed some of their comments on the RD/RA, including the options for unobtrusive or no fencing at the site.
- OU-2B Groundwater Model – the BCT is working out the groundwater model for deep groundwater to justify the remedy selection.
- Site 28 Interim RACR – This is an interim document because a remedy is in place but active remediation is ongoing. There are exceedances of copper in a few wells that continued to be monitored.
- Navy contracting – BCT members received a presentation about the Navy’s contracting procedures, which helped members understand how contracting works and how it can affect schedules.

Mr. Fyfe added the Navy and regulatory agencies also had a monthly phone call to discuss the Explanation of Significant Differences to the Site 1 Record of Decision related to a change in how much of the burn area will be excavated.

Mr. Fyfe said he attended the tour in June. He said it went very well and was one of the best tours he has seen.

## **VII. Approval of May 10, 2012, RAB Meeting Minutes/Review Action Items**

Dr. Russell made the following comments:

- Page 3 of 9, under Co-Chair first line on page: Correct “placed” to “spaced”: ... “they were correctly spaced.”
- Page 3 of 9, second paragraph, last sentence: Delete “30 years of”, change “to reach” to “until reaching” and delete “to reach the intended level of safety goal”. So the sentence now reads: “Mr. Bangert asked if monitoring would be required until reaching residential RGs; Dr. Russell said yes.”

- Page 3 of 9, third paragraph: Remove the last sentence “Further, no decision on affordable housing has been made.”

Mr. Humphreys made the following comments:

- Page 2 of 9, under Co-Chair Announcements, second paragraph, fourth line: add “guidelines” after “EPA”.
- Page 2 of 9, under Co-Chair Announcements, fourth paragraph, first line: change “he” to “the RAB”, so it reads “...indicated the RAB sent...”
- Page 2 of 9, under Co-Chair Announcements, fourth paragraph, third line from the bottom: delete “far apart” and insert “in relatively close proximity to each other, posing the possibility of recirculating contaminants.”
- Page 9 of 9, item one on the Action Items table: there are two instances of “1.”. Change the second, enumerating the Site 1 Radiological RD/RA work plan to “b.”

Ms. Smith made the following comments:

- Page 5 of 9, under Site 2 Remedial Design, first paragraph: Change “northwest” to “southwest”.
- Page 5 of 9, under Site 2 Remedial Design, third paragraph: Change “subcommittee” to “committee”. Change should be made globally.

Mr. Humphreys moved that the May 10, 2012, meeting minutes be approved with the noted changes and Mr. Torrey seconded. The motion carried.

The status of previous action items was reviewed and is provided in the updated table below. New action items from this meeting are included.

<b>Action Items:</b>	<b>Previous Item #/ Action Item Status/ Action Item Due Date:</b>	<b>Initiated by:</b>	<b>Responsible Person:</b>
1. Request for Presentations: a. Site 25 Plume Status Tracking b. Site 1 Radiological RD/RA work plan	Pending	RAB	Mr. Robinson
2. Navy report to RAB whether there are institutional controls in place at Site 35 that AP Collaborative should be following with regard to planting. If no ICs, explain how that decision was reached and where it is documented	Revised at July meeting	Mr. Humphreys	Navy
3. Ms. Smith and Mr. Humphreys confer about which action items from the RAB's November 2011 letter still need to be added to the action item list. Ms. Smith will let Mr. Robinson know and he will have the items added.	August 12, 2012	Mr. Humphreys	Ms. Smith
4. Include the RABs comment letter regarding the 90 percent Remedial Design for Site 2 to the next packet of meeting minutes.	September 13, 2012	Ms. Smith	Navy
5. Decide whether the OU2C PP meeting will take place after an abridged RAB meeting or on a separate night. a. Send an email detailing two meeting options to Ms. Smith. b. Ms. Smith to gather RAB feedback to determine the best plan for the meeting and recommendation to Navy.	a. July 26, 2012 (two weeks after July RAB meeting) b. August 9, 2012 (two weeks after email receipt)	Mr. Robinson	a) Mr. Robinson b) Ms. Smith

The meeting was adjourned at 8:45 PM.

## **ATTACHMENTS**

### **NAVAL AIR STATION ALAMEDA RESTORATION ADVISORY BOARD MEETING ATTACHMENTS**

- A. Naval Air Station Alameda Restoration Advisory Board Meeting Agenda, July 12, 2012, and RAB Calendar (2 pages)
- B-1 RAB Comment Letter on the 90-Percent Remedial Design for Site 2 (2 pages)
- B-2. Remedial Design IR Site 34 (15 slides)
- B-3. Alameda NAS Radiological Scan Summary (1 page)

# ***RESTORATION ADVISORY BOARD***

***NAVAL AIR STATION, ALAMEDA***

## ***AGENDA***

**JULY 12, 2012, 6:30 PM**

**ALAMEDA POINT – 950 WEST MALL SQUARE, ALAMEDA CITY HALL WEST  
SUITE 140/COMMUNITY CONFERENCE ROOM  
(FROM PARKING LOT ON W. MIDWAY AVENUE, ENTER THROUGH MIDDLE WING)**

<b><u>TIME</u></b>	<b><u>SUBJECT</u></b>	<b><u>PRESENTER</u></b>
<b>6:30 – 6:35</b>	<b>Welcome and Introductions</b>	<b>Community and RAB</b>
<b>6:35 – 6:50</b>	<b>Community and RAB Comment Period*</b>	<b>Community and RAB</b>
<b>6:50 – 7:10</b>	<b>Co-Chair Announcements</b>	<b>Co-Chairs</b>
<b>7:10 – 8:00</b>	<b>Site 34 Remedial Design</b>	<b>Tony Guiang</b>
<b>8:00 – 8:15</b>	<b>RAD Building Scans</b>	<b>Derek Robinson</b>
<b>8:15 – 8:25</b>	<b>BCT Update</b>	<b>BCT</b>
<b>8:25 – 8:45</b>	<b>Approval of Minutes Review Action Items</b>	<b>Dale Smith</b>
<b>8:45</b>	<b>RAB Meeting Adjournment</b>	

\* If there is time at the end of the agenda, additional comments will be taken.

<b>January</b>	<b>Feb</b> Feb 6 – Draft OU2B FS Addendum	<b>Mar</b> <b>Thursday, March 8</b> – RAB Meeting: 6:30-8:30 pm, Building 1, Alameda Point
<b>April</b> April 27 – Site 32 Revised Draft Remedial Investigation/ Feasibility Study	<b>May</b> <b>Thursday, May 10</b> – RAB Meeting: 6:30-9:00 pm, Building 1, Alameda Point	<b>June</b>
<b>July</b> <b>Thursday, July 12</b> – RAB Meeting: 6:30-9:00 pm, Building 1, Alameda Point  RAB Site Tour	<b>August</b> August 26 – OU-2A Record of Decision	<b>September</b> <b>Thursday, September 13</b> – RAB Meeting: 6:30-9:00 pm, Building 1, Alameda Point  *Proposed Plan Meeting for OU-2C: September 2012 (Date TBD)*
<b>October</b>  *Proposed Plan Meeting for OU-2B: October 2012 (Date TBD)*	<b>November</b> <b>Thursday, November 8</b> – RAB Meeting: 6:30-9:00 pm, Building 1, Alameda Point	<b>December</b>

**NAVAL AIR STATION ALAMEDA**  
**RESTORATION ADVISORY BOARD**

Mr. Derek Robinson  
Department of the Navy  
Base Realignment and Closure, Program Management Office West  
1455 Frazee Road  
San Diego 92108

July 2, 2012

Re: IR Site 2 Draft Remedial Action Work Plan 90%

Dear Mr. Robinson,

Thank you for the opportunity to comment on the above document.

It seems cynical to claim that a thinner cap supports a sustainability goal, when the document states that in the event of a maximum credible earthquake (MCE), the site is projected to turn into "soup" and that permanent displacement has been calculated to range from 0.2 to 11 inches and transverse cracks up to 4.5 feet deep are expected. The document also states that a full seismic stability analysis has never been completed, either by TetraTech or CH2M Hill, whose contract was cancelled. The Navy representative, Mr. Jacques Lords, announced at a planning meeting that "there is already enough information about seismic hazards and it's time to design something rather than study it further". He also stated that with this cap design, the site doesn't have to withstand a MCE and repairs can be performed when cracks appear and the cap slides towards the bay. These all lead to a lack of confidence that this remedy will endure. This is the first time limits of liability have been included by a consultant, indicating a lack of certainty as to the efficacy of the solution and an attempt to limit liability.

Because hazardous materials, including munitions and explosives of concern and radioactive material, are interred on site and are not very deeply buried, it can be assumed they will move towards the surface during a seismic event, even one less than an MCE, such as the Loma Prieta earthquake. The Bay Area is constantly subjected to small "shudders", causing buried hazards to migrate to the surface. This will be an ongoing problem and will require constant monitoring and remediation. We would prefer a more permanent solution that did not present the possibility of unnecessary exposure.

The document states that the vertical pipes along the inside eastern and northern perimeter fencing are for the purpose of venting gas generated in the landfill. Based on the site tour they appear to be offsite migration monitoring devices, rather than part of a gas collection system. This infrastructure was installed to meet a 1982 Bay Area Water Quality Control Board requirement to detect offsite migration of soil gas. Why are new pipes being installed when there is a functioning set of pipes already in existence?

As is the case with almost every project on Alameda NAS, the number of monitoring wells is less than adequate and does not cover the entire site sufficiently to ensure contaminant migration is not occurring, especially since the design anticipates soil movement.

If Site 2 is to be fenced, how will mosquito abatement and other safety personnel gain access to the site in a timely manner? The document describes razor or barbed wire in association with the fence, but this not shown as part of the design drawings.

## NAS ALAMEDA RAB

The choice of Decker Island sand is a fine choice for habitat remediation. However, we would prefer to see the replacement ratio for lost habitat be greater than one to one. Site 34 and 32 also lost wetlands habitat and that does not appear to have been replaced. Thus, overall the Navy is not leaving as much wetland area as existed before, in spite of its poor quality. There is an endemic *lupinus* in the northeast side of the site that should be protected during construction, either by removal and tending or shielding from damage. There is also *distichlis* present that should be protected and used for propagation purposes. The restoration with native grasses is much appreciated.

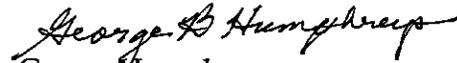
Again, thank you for the opportunity to comment on this document.

Yours

  
Dale Smith

  
Carol Gottstein, MD



  
George Humphreys

  
Michael John Torrey



  
Kurt Peterson

Copies: Peter Russell, Russell + Associates  
Kay Goodie, US Fish and Wildlife  
Pankaj Arora, US EPA  
Xuan Mai Tran, US EPA  
Jim Fyfe, Cal EPA DTSC  
Charles Ridenour, Cal EPA DTSC  
Jim Polisini, Cal EPA DTSC  
John West, SF RWQCB  
Myriam Zech, SF RWQCB



WELCOME



# Remedial Design Installation Restoration Site 34 Alameda Point, California

Restoration Advisory Board  
July 12, 2012

Presented by:  
Tony Guiang, Navy Project Manger  
Howard Wittenberg, ERS JV

Attachment B-2  
(15 slides)



# Presentation Outline



- Site Location, Description, Background, and Milestones
- Nature and Extent of Contamination
- Remedial Action
- Remedial Design
  - Pre-Design Sampling
  - Remedial Action Overview
- Schedule
- Future of Site 34



# IR Site 34 Location



Located in north-central portion of Alameda Point, south of Oakland Inner Harbor

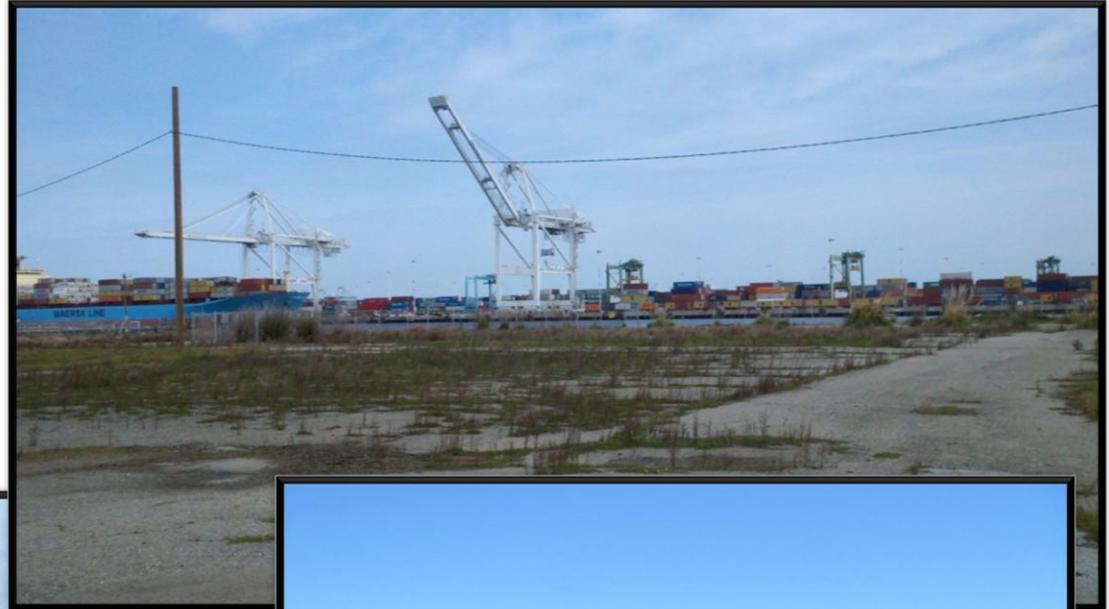




# IR Site 34 Description



- 4.18 acre
- Partially paved, relatively flat open space
- Site formerly contained several structures including 12 buildings, ASTs, transformers, and an aviation fuel line





# IR Site 34 Background and Milestones



- IR 34 was a Naval Air Rework Facility (NARF)
- NARF provided maintenance of and fabrication services for equipment (scaffolding and other apparatus)
- Other activities included painting services, storage, wood and metal shops, and sandblasting
- Previous Investigations (1994 to 2007)
- The Record of Decision was signed in 2011



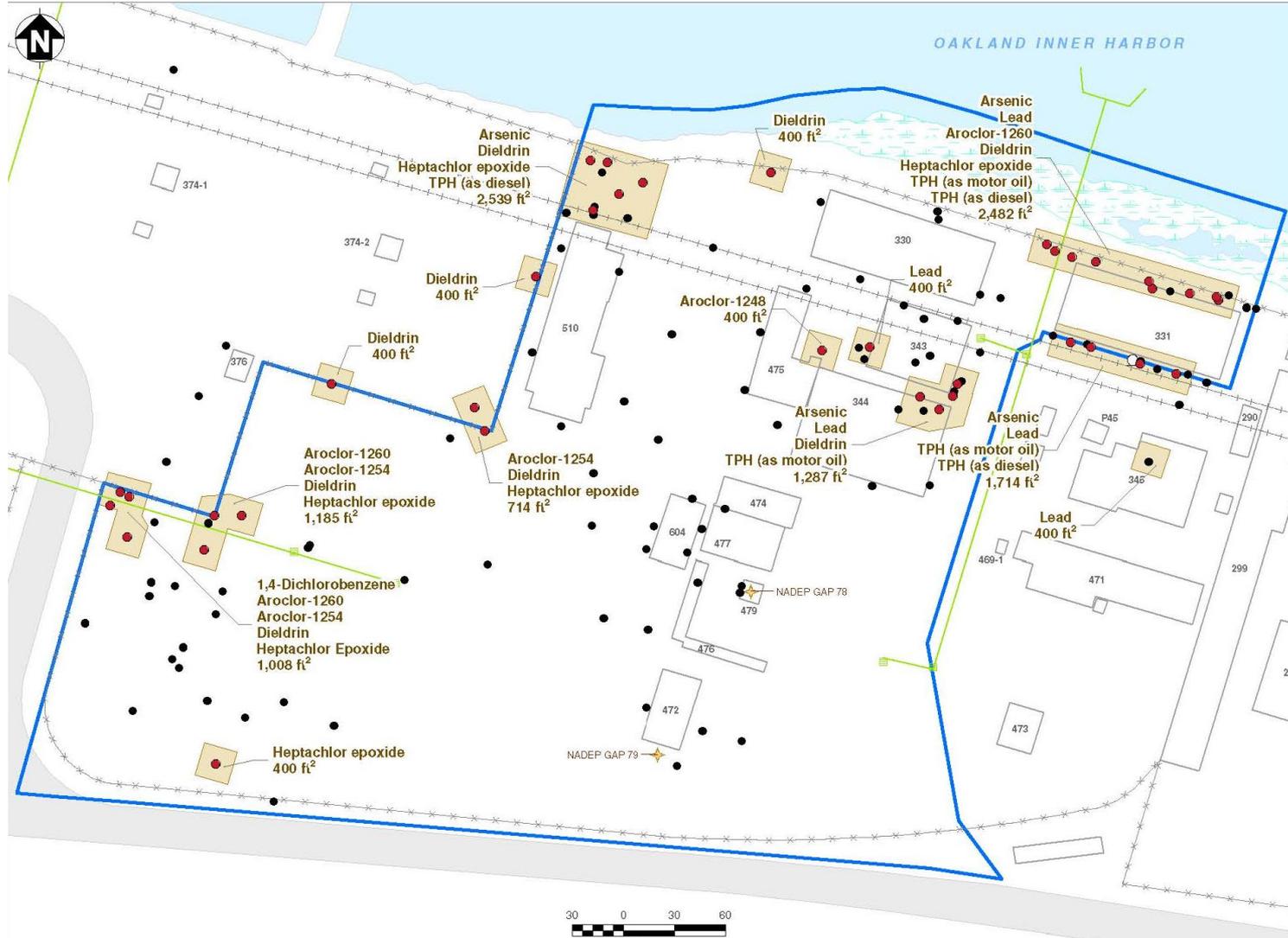
# Nature and Extent of Contamination



- The following Contaminants of Concern (COC)s exist in soil:
  - Metals (arsenic and lead)
  - VOCs (1,4-dichlorobenzene)
  - Pesticides (dieldrin and heptachlor epoxide)
  - PCBs
  - TPH



# Remedial Action Areas





# Remedial Action



- Excavation and disposal of soil and restoration of excavated areas
- Primary Components:
  - Soil excavation
  - If sampling results for COCs are above remedial goals, excavation will continue until remedial goals are achieved
  - Excavated soil will be disposed of off-site
  - Excavated areas will be backfilled



# Remedial Design



- Pre-design soil sampling and analysis was performed in April 2012 to further delineate the excavation boundaries at each Remedial Action Area
- Remedial Design/Remedial Action Work Plan is under development and the Draft will be submitted on July 31



Direct push sampling through concrete foundation



Hand auguring shallow sample locations





# Remedial Action Overview



- Excavation will be performed at each RAA as prescribed in the RD/RAWP
- Excavated soil will be stockpiled for characterization and disposal
- Confirmation sampling will be performed on each sidewall and the excavation bottom according to the project Sampling and Analysis Plan
- Sidewall and bottom samples will be collected on a 20 foot grid
- If confirmation sample results indicate the COC concentrations are below the RGs, the excavation will be backfilled



# Remedial Action Schedule



- Pre-design fieldwork was completed in April 2012
- Draft Remedial Design/Remedial Action Work Plan - July 31 and finalized in January 2013
- Fieldwork is anticipated to begin in January and be completed in April 2013
- The RACR is anticipated to be submitted in May and finalized in December 2013



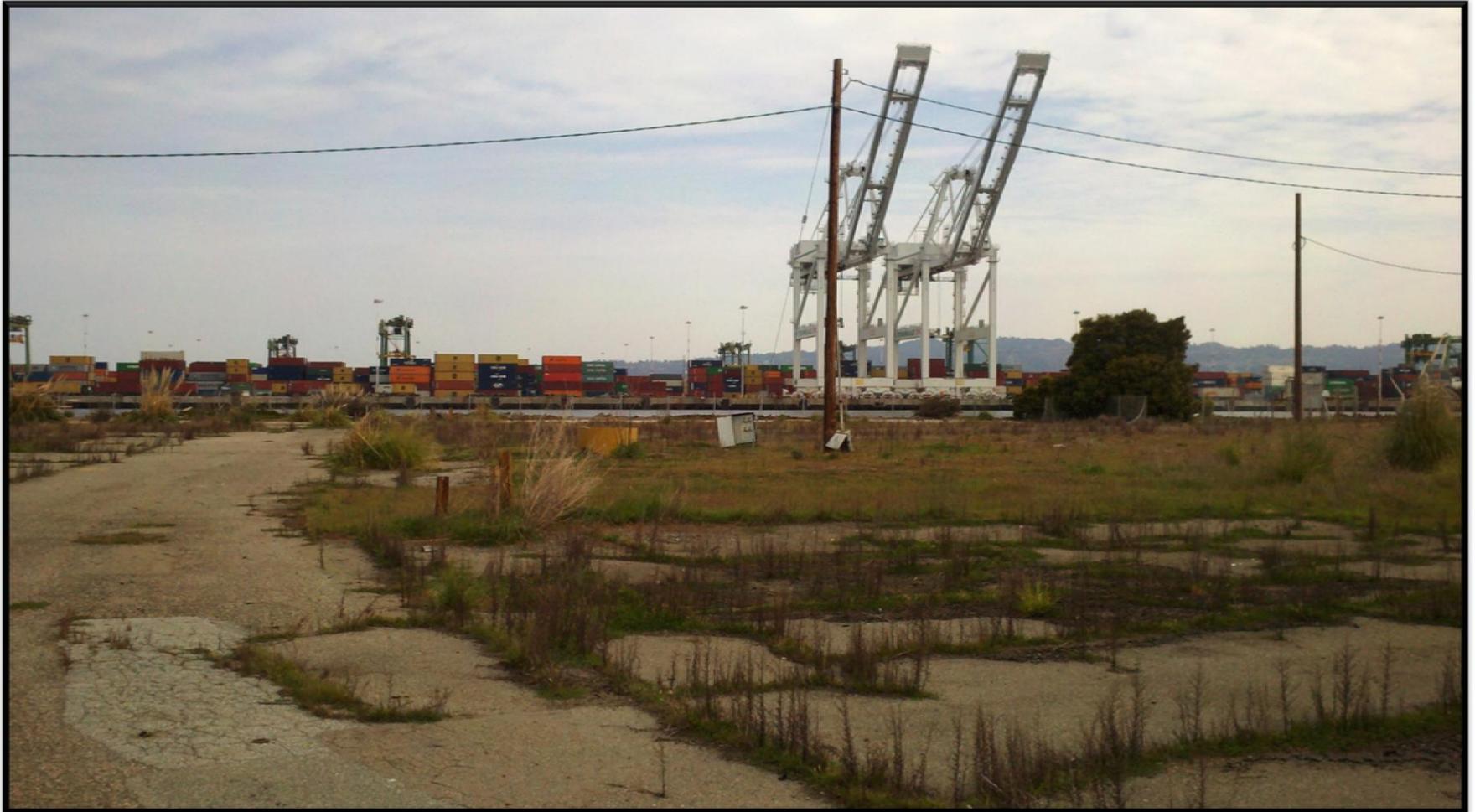
## The Future of Site 34



- IR 34 is part of the Northwest Territories designated as public open space and parks (recreational)
- IR 34 is scheduled to be transferred in 2014



# Questions



ALAMEDA NAS RADIOLOGICAL SCAN SUMMARY  
Thursday, July 12, 2012

Site	Radiological Survey Date	Report Status or Site Status	Proposed Recommendation
Former Smelter Area	October 2010- March 2011	Navy is preparing responses to California Department of Public Health (CDPH) comments on the final Scoping Survey. Pending resolution of comments.	Former Smelter Area is not impacted
Pier 3	October 2010- March 2011	Final Status Survey Report (FSSR) report is in preparation, pending resolution of Former Smelter Area Scoping Survey.	Free Release
Building 5	October 2010- March 2011	Characterization Survey Report is complete. Fieldwork planning documents are in preparation.	Remediation in Fall 2012 then Final Status Survey Spring 2013
Building 7	No Survey Conducted	Pending CDPH confirmation survey	Free Release
Building 44	October 2010- March 2011	CDPH is currently reviewing draft FSSR, EPA comments have been received.	Free Release
Building 66	October 2010- March 2011	Pending resolution of Former Smelter Area Scoping Survey comments. Navy is preparing responses to CDPH comments on the draft final FSSR.	Free Release
Building 113	October 2010- March 2011	CDPH is currently reviewing draft FSSR, EPA comments have been received.	Free Release
Building 114 Courtyard	October 2010- March 2011	FSSR report is in preparation, pending resolution of Former Smelter Area Scoping Survey comments.	Free Release
Building 346	October 2010- March 2011	FSSR report is in preparation, pending resolution of Former Smelter Area Scoping Survey comments.	Free Release
Bunker 353	October 2010- March 2011	FSSR report is in preparation, pending resolution of Former Smelter Area Scoping Survey comments.	Free Release
Building 400	October 2010- March 2011	Navy is reviewing Characterization Survey report. Fieldwork planning documents are in preparation.	Remediation in Fall 2012 then Final Status Survey Spring 2013
Bunker 497	October 2010- March 2011	FSSR report is in preparation, pending resolution of Former Smelter Area Scoping Survey comments.	Free Release