

**Hunters Point Shipyard
Installation Restoration Program
Public Information Materials**

**27 February 2003
Public Meeting/Restoration Advisory Board Meeting
Held at Dago Mary's Restaurant
San Francisco, California**

Materials/Handouts Include:

- Agenda for 27 February 2003 RAB Meeting/Minutes from 23 January 2003 RAB Meeting
 - includes Table 1, RAB Member Roll-Call Sheet; and
 - Action Items from 23 January 2003 RAB Meeting
- Reporters Transcript from 27 Feb 2003 RAB Meeting
- Monthly Progress Report, Jan 2003
- PowerPoint Presentation, Innovative Cleanup of Trichloroethene in Groundwater Using Iron Injection, 27 Feb 03
- PowerPoint Presentation, Current Radiological Issues, 27 Feb 2003
- Meeting Minutes, HPS RAB Radiological Subcommittee, 22 Jan 03
- Meeting Minutes, HPS RAB Membership & Bylaws Subcommittee, 11 Feb 2003
- Meeting Minutes, HPS RAB Technical (Review) Subcommittee, 13 Nov 2002
- An Open Letter to the HPS RAB, Arc Ecology, dated 27 Feb 03

Standard Handouts Not Included in this Packet:

- HPS List of Acronyms and Abbreviations
- HPS Mailing List Update Form
- HPS RAB Membership Application Form
- HPS Bylaws

**HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD (RAB) - MEETING AGENDA
THURSDAY, 27 FEBRUARY 2003**

Day/Date:
Thursday – 27 February 2003
Time:
6:00 p.m. to 8:00 p.m.

Location:
Dago Mary's Restaurant
Hunters Point Shipyard
Building # 916
San Francisco

Facilitator: **Marsha Pendergrass**

Time	Topic	Leader
6:00 p.m. – 6:10 p.m.	Welcome/Introductions/Agenda Review	Marsha Pendergrass <i>Facilitator</i>
6:10 p.m. – 6:15 p.m.	Approval of Meeting Minutes from 23 January 2003 RAB Meeting • Action Items	Marsha Pendergrass
6:15 p.m. – 6:20 p.m.	Navy Announcements	Keith Forman <i>Navy Co-chair</i>
	Community Co-chair Report/Other Announcements	Lynne Brown <i>Community Co-chair</i>
6:20 p.m. – 6:40 p.m.	Innovative Groundwater Cleanup at Parcel C	Patrick Brooks, R.G. <i>Navy</i>
6:40 p.m. – 7:00 p.m.	Historical Radiological Assessment (HRA) – Update	Laurie Lowman <i>Radiological Affairs Support Office</i>
7:00 p.m. – 7:10 p.m.	BREAK	
7:10 p.m. – 7:30 p.m.	HRA Questions & Answers	Laurie Lowman
7:30 p.m. – 7:50 p.m.	Subcommittee Reports	Subcommittee Leaders
7:50 p.m. – 8:00 p.m.	Future Agenda Topics/ Open Question & Answer	Marsha Pendergrass
8:00 p.m.	Adjournment	Marsha Pendergrass

HPS web site: <http://www.efds.w.navy.mil/Environmental/HuntersPoint.htm>

RAB Navy Contact: Mr. Keith Forman (619) 532-0913 or (415) 515-6216

- - - P U B L I C N O T I C E - - -
H U N T E R S P O I N T S H I P Y A R D
Restoration Advisory Board Meeting

◆ ◆ ◆
6:00 P.M. - 8:00 P.M.

Thursday, February 27, 2003

Dago Mary's Restaurant
Hunters Point Shipyard, Building #916
San Francisco

The Restoration Advisory Board (RAB) is composed of concerned citizens and government representatives involved in the environmental cleanup program at Hunters Point Shipyard. Community participation and input is important and appreciated. The purpose of this meeting is to present the community with the current status and future cleanup schedule for Hunters Point Shipyard and to address the concerns of the entire community. Following is a list of the Key Topics to be discussed at the meeting:

- ◆ Innovative Groundwater Cleanup at Parcel C
- ◆ Historical Radiological Assessment Update w/ Q & A
- ◆ RAB Subcommittee Reports

The interested public is welcome!

◆ ◆ ◆
For more information about this meeting and the Installation Restoration Program at Hunters Point Shipyard, please contact:

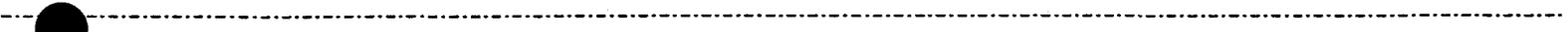
Mr. Keith Forman, BRAC Environmental Coordinator
Southwest Division Naval Facilities Engineering Command
1230 Columbia Street, Suite 1100, San Diego, CA 92101
(619) 532-0913 or (415) 515-6216

Hunters Point Shipyard
RAB Member Roll-Call Sheet

Current RAB Members	
Name	Affiliation
Community	
Brown, Lynne	Community Co-chair, Communities for a Better Env.
Asher, Lani	Artist on the Shipyard
Bushnell, Barbara	ROSES
Campbell, Maurice	New California Media
Dacus, Sr., Charles L.	ROSES, Resident
Franklin, Marie J.	Shoreview Environmental Justice Movement
Harrison, Marie	San Francisco Bayview Newspaper
Hasegawa, Mitsuyo	JRM & Associates
Jackson, Helen	All Hallows Gardens Residents' Association
Lutton, Kevyn	Resident
Manuel, J.R.	JRM & Associates
Mason, Jesse	BVHP Advocates
Morrison, James	Resident
Oliva, Georgia	Resident
Palega, Sulu	BVHP Boys & Girls Club
Peterson, Dorothy	Shoreview Residents' Association
Pierce, Karen	BVHP Democratic Club
Rines, Melita	Resident
Rodriguez, Jim	Portola Place Homeowners' Assoc.
Sumchai, Ahimsa Porter	BVHP Health & Environmental Resource Center
Tisdell, Keith	Resident
Tompkins, Raymond	BVHP Coalition on the Environment
Washington, Caroline	Network for Elders
Wright, Leilani	JRM & Associates
Regulators	
Brownell, Amy	SF Dept. of Public Health
Kao, Chein	Cal. Dept. of Health Services
Lane, Jacqueline Ann	U.S. EPA Region IX
Forman, Keith	Navy Co-chair, SWDIV
Menak, Julie	Regional Water Quality Control Board
Trombadore, Claire	U.S. EPA Region IX (H-9-2)
Work, Michael	U.S. EPA Region IX

Tape or Staple

Navy CLEAN 3, CTO-007
Community Relations Office
1330 Columbia Street, Suite 400
San Diego, CA 92101



Tape or Staple

HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD MEETING MINUTES
23 JANUARY 2003

These minutes summarize the discussions and presentations from the Restoration Advisory Board (RAB) meeting held from 6:00 P.M. to 8:00 P.M., Thursday, 23 January 2003 at Dago Mary's Restaurant (Building #916 at the Shipyard). A verbatim transcript was also prepared for the meeting and is available in the Information Repository for Hunters Point Shipyard (HPS) and on the Internet at www.efdsw.navfac.navy.mil/Environmental/HuntersPoint.htm The list of agenda topics is provided below. Attachment A provides a list of attendees. Attachment B includes action items that were requested and/or committed to by RAB members during the meeting.

AGENDA TOPICS:

- 1) Welcome/Introductions/Agenda Review
- 2) Approval of Meeting Minutes from 05 December 2002 RAB Meeting
- 3) Navy Announcements/Community Co-chair Reports/Other Announcements
- 4) Agency for Toxic Substances and Disease Registry (ATSDR) Presentation
- 5) Report on Hospital Admissions During the Shipyard Landfill Fire
- 6) Radiological Affairs Support Office (RASO) Presentation
- 7) Subcommittee Reports
- 8) Future Agenda Topics
- 9) Adjournment

MEETING HANDOUTS:

- Agenda for 23 January 2003 RAB Meeting/Minutes from 05 December 2002 RAB Meeting
 - includes Table 1, RAB Member Roll-Call Sheet; and
 - Action Items from 05 December 2002 RAB Meeting
- Monthly Progress Report, November 2002
- Monthly Progress Report, December 2002
- Hunters Point Shipyard Landfill Gas Extraction System Update, 23 January 2003
- Additional Questions and Answers From Hunters Point Shipyard RAB Open Forum, 05 December 2002
- Health Consultation Report, Parcel E Landfill Fire at Hunters Point Shipyard, U.S. Department of Health and Human Services, dated 02 March 2001
- Fact Sheet, Health Consultation Summary, Hunters Point Shipyard Parcel E Landfill Fire, dated January 2001
- Draft Report, Analysis of Hospital Admission Data During the Hunters Point Shipyard Fire of August 2000, City and County of San Francisco Department of Public Health, 23 January 2003
- PowerPoint Presentation, Current Radiological Issues, 23 January 2003
- Newspaper Notice, Hunters Point Shipyard Needs Your Help
- Meeting Minutes, HPS RAB Technical (Review) Subcommittee, 13 November 2002
- Meeting Minutes, HPS RAB Community Relations Plan Update Subcommittee, 7 January 2003
- Meeting Minutes, HPS RAB Membership & Bylaws Subcommittee, 14 January 2003

Welcome / Introductions / Agenda and Meeting Minutes Review

Marsha Pendergrass, facilitator, called the meeting to order at 6:00 P.M. All in attendance made self-introductions. Ms. Pendergrass began the meeting with an agenda review and asked if there

were any changes or modifications. No changes were made. Ms. Pendergrass then asked for a motion to approve the 05 December 2002 RAB meeting minutes. Ms. Pendergrass called for a vote and the minutes were approved by the RAB.

Ms. Pendergrass reviewed the Action Items contained in the December minutes and asked for a status of each item. All action items were completed or carried-over to the satisfaction of the RAB.

Navy and Community Co-chair Reports/Other Announcements

Keith Forman, Navy RAB Co-chair, said that publication of the draft final Historical Radiological Assessment (HRA), due at the end of January 2003, will be delayed. He said that more details will be provided later in the meeting during the Radiological Affairs Support Office (RASO) presentation. Mr. Forman also said that the Community Relations Plan (CRP) update subcommittee has had a couple of meetings already and has provided the Navy with over 140 potential interviewees. Mr. Forman added that the Navy and EPA will be coordinating and should begin interviews in the next two or three weeks.

Lynne Brown, RAB Community Co-chair, requested that questions at the conclusion of the RASO presentation be limited to the Hunters Point Shipyard.

Reminder: The next RAB meeting will be held from 6:00 to 8:00 P.M., Thursday evening, 27 February 2003 at Dago Mary's Restaurant, Building #916 on the Shipyard.

ATSDR Presentation

Dave DeMars, Navy Remedial Project Manager, introduced Bill Nelson from the Agency for Toxic Substances and Disease Registry (ATSDR). Mr. DeMars said that the presentation is a result of requests to have ATSDR talk about the health assessment they conducted for the August 2000 Parcel E landfill fire.

Mr. Nelson confirmed that the topic of his presentation will be the health consultation report for the August 2000 Parcel E landfill fire. He said that copies of his handouts and reports are available. Mr. Nelson said the Agency first prepared a "complete health assessment" of Hunters Point in 1994, which considered all of the hazardous material at the Shipyard. He said the assessment was a very complete and comprehensive assessment of the Shipyard overall. For the landfill fire, ATSDR prepared a "health consultation report" which addresses a singular issue - in this case the landfill fire. Mr. Nelson then explained how ATSDR came to the conclusions in the health consultation report.

The Environmental Protection Agency (EPA) contacted ATSDR to examine potential exposure from the fire. One of the problems ATSDR encountered, Mr. Nelson explained, was the fact that there was no air quality monitoring during the fire or until approximately two to three weeks after the fire. ATSDR instead used a variety of modeling methods to estimate the health exposure based on intensity of the fire, how high it extended, and how wide it was. Data was gathered from similar fires (landfill fires, rail wood fires, and wildfires). ATSDR reviewed the data from these fires and consulted with various health departments within the state, to determine the kinds of health effects based on the likely constituents in the smoke. The conclusion was that any health effects from exposure to the fire would be acute, short-term effects.

Ms. Pendergrass opened the floor to questions. Mr. Brown asked about the ATSDR Fact Sheet from April 2001. Mr. Nelson replied that he had copies of the Fact Sheet available as a handout. The Fact Sheet is a one-page summary of the health consultation report. Raymond Tompkins, RAB member, asked if the reported prevailing wind direction accounted for swirling wind

patterns and local topography. Mr. Nelson replied that the overall prevailing wind direction was from west to east. The calculated wind direction is an average and therefore there may have been times when the wind was blowing in different directions. Mr. Tompkins asked how ATSDR could conclude that there were no adverse health effects from the fire and subsequent smoldering if there was no air monitoring in the neighborhoods adjacent to the Shipyard. Mr. Nelson replied that the health consultation report did not say there were no adverse health effects, but that any adverse health effects would be short-term. Ms. Pendergrass suggested that in-depth discussion should be addressed at a subcommittee meeting. Mr. Nelson said that he would be available to attend a subcommittee meeting. Ahimsa Sumchai, RAB member, said that ATSDR needs to conduct on-going health studies before stating that there are no long-term health effects, especially, she said, considering that substances like manganese and benzene were identified in the smoke at levels above ambient air. Mr. Nelson replied that ATSDR asserts that it is *unlikely* that there are any long-term adverse health effects.

Ms. Pendergrass thanked Mr. Nelson for his presentation, and attempted to move the agenda forward. Karen Pierce, RAB member, made a motion to extend the-question and answer period related to the presentation. The motion carried. Ms. Pendergrass turned the floor to Keith Tisdell, RAB member, for his question. Mr. Tisdell said that former RAB Navy Co-Chair, Richard Mach, stated that the prevailing wind direction during the time of the landfill fire was to the north. Mr. Nelson replied that the wind information was provided by the San Francisco and Oakland airports. He reiterated that prevailing wind directions are only an average, and that there may have been gusts or short-term changes in wind direction.

Georgia Oliva, RAB member, asked if radioactivity was considered in the health consultation report. She also said that the tenants at the Shipyard would like to be included in any subsequent health study. Mr. Nelson said that the levels of radium were so low as to not present a health problem. As far as any potential future health study, one of things the health consultation report does is help the Agency determine the need for, or usefulness, of a study. At this time, the ATSDR does not feel that a health study should be conducted.

Maurice Campbell, RAB member, asked if Mr. Nelson was aware of the material in the Parcel E landfill. Mr. Nelson replied that the Agency has sampling results from the landfill. Mr. Campbell said that the Agency has no air quality data from the fire or the 27 days after, and therefore cannot make statements about the possible exposure to the community. Mr. Nelson replied that ATSDR received a great deal of information from data of similar types of fires, and drew conclusions based on that. Mr. Tompkins asked the final question. He asked how ATSDR accounted for the possibility of a potential chemical hazard related to undocumented and unauthorized waste disposal by Triple A. Mr. Nelson replied that the assumptions were based on the past history of previous fires. Lani Asher, RAB member, closed the discussion stating that she felt uncomfortable with ATSDR's conclusion in light of the fact that there is no air quality data from the day of the fire or 27 days afterwards.

Health Department Presentation

Dr. Rajiv Bhatia, San Francisco Health Department, introduced himself as the director of the Occupation & Environmental Health Section. He also introduced Rita Shiau as an epidemiologist with the Health Department. Dr. Bhatia presented information on the Department's analysis of hospital admissions for asthma before, during, and after the August 2000 Parcel E landfill fire. Dr. Bhatia explained that the data was gathered from hospitals and then sent to the State for verification before the Health Department gets the data for analysis. The data was provided to the Health Department the summer of 2002 and analyzed in the fall. The preliminary information in the report is being presented to the public for the first time at this RAB meeting.

Dr. Bhatia explained the rationale for using asthma hospitalization as an indicator. Smoke from the fire would impact the respiratory system, asthma is a sensitive indicator of air pollution, asthma is of particular concern in the Bayview-Hunters Point community, and the Health Department had good data for hospital admissions for asthma.

Ms. Shiau gave the remainder of the presentation. She showed overhead graphs of emergency admission data for San Francisco General Hospital (SFGH) from 1999 through 2001. She showed where the Health Department compared admissions from August 1999, August 2000 (the month of the landfill fire), and August 2001, and while there is an increase in admissions in August, it was similar in all three years. She stated that this analysis is not perfect since it does not include people who may not have experienced symptoms but did not seek treatment at SFGH. To address that, Ms. Shiau said the Health Department collected state-wide weekly hospital admission counts for asthma and other respiratory diseases. The data was filtered to select patients who indicated home zip codes in San Francisco. The data was then further filtered by age (0 to 14, 15 to 64, and 65 plus), Bayview-Hunters Point versus Visitacion Valley, admissions during August 2000 to admissions in August 1999 and August 2001, and lastly asthma versus "other respiratory illnesses." In all cases, there was no evidence for significant increase in hospital admissions for asthma or other respiratory diseases among Bayview-Hunters Point residents during the time of the Parcel E landfill fire. Ms. Shiau concluded her presentation and reiterated that the Health Department study does not account for people who may have suffered fire related symptoms but did not seek hospital treatment. Ms. Pendergrass asked the audience to hold their questions and then called for a ten minute break.

The first question after the meeting break was from Ms. Sumchai. She commented that the Health Department study should have considered emergency room visits instead of asthma hospitalizations. She said that the most accurate information related to the landfill fire should come from overall emergency department visits because the majority of asthmatics are treated and released, but not necessarily hospitalized.

RASO Presentation

Laurie Lowman, RASO, presented information on the radiological issues at Hunters Point Shipyard as well as a status update on the draft HRA. She said that the draft HRA was published in March 2002 and the draft final HRA was scheduled to be published in January 2003. However, RASO has decided to delay the publication due to the availability of new information and the identification of several inaccuracies in the document and the references. Ms. Lowman said the decision to delay the draft final HRA will allow the Navy to produce an accurate and comprehensive document that will bring together all the radiological issues associated with Hunters Point Shipyard.

Ms. Lowman announced that the Navy will be conducting in-person interviews with former employees of NRDL and the Shipyard. The Navy has placed numerous advertisements in local newspapers seeking personnel with any knowledge of radiological operations at the Shipyard. Ms. Lowman provided a telephone number and e-mail address for people wishing to participate in the interviews (1-800-443-7164, and DarlyD@newworld.org). Ms. Lowman also said that she is having difficulty contacting former employees of Triple A, and asked the RAB for assistance contacting anyone associated with Triple A. Ms. Lowman said that the Navy is interested in gathering as much information as possible from the in-person interviews and assured the RAB that the Navy is not interested in pursuing legal action against any interviewee for improper handling, use, or disposal of radioactive material or disclosure of sensitive information.

Ms. Lowman explained the importance of an HRA. She said the document helps focus radiological investigations and cleanup. She said that it is the history that leads to the areas that

need sampling, help define what investigations are required, and what radioisotopes, if any, are likely to be present. Typically, the radiological cleanup process begins with an HRA but in the case of Hunters Point Shipyard, Ms. Lowman said that the Shipyard ceased operation many years before the HRA concept was created. No parcel on the Shipyard can be transferred to the City until the HRA is completed. Ms. Lowman said that, at the earliest, the draft final HRA probably will not be published until near the end of 2003.

Updating current radiological cleanup actions at the Shipyard, Ms. Lowman said that there are two active investigations in Parcel C (Buildings 253 and 211), and one in Parcel D (Building 313-Alpha). The Navy found radium and cesium contamination on the roof and on the fifth and sixth floors of Building 253. Operations at that building were likely related to radium dial painting facility. That cleanup has recently been completed. Remediation of ventilation ductwork is ongoing. Building 211 was used for storage of waste bins related to radiological cleanup. Future waste bin storage will be in an area of Parcel E. In the meantime, surveys of Building 211 are underway. On Parcel D, a manhole cover was discovered while remediating a former NRDL building at 313-Alpha. The manhole was under the foundation of the former NRDL building. The Navy is currently remediating the contents of the manhole, and is investigating the possibility that drain lines may have tied into the manhole. Lastly, Mr. Lowman showed an area on the Shipyard map, associated with NRDL activities, where cesium-137 contamination was found.

Ms. Lowman concluded her presentation with a summary of completed radiological cleanup activities; both are buildings on Parcel A - Building 821 and Building 816. Ms. Lowman said that completing the HRA is one of the Navy's highest priorities and they will keep the public updated on the progress.

Ms. Oliva asked how the San Francisco Redevelopment Agency (SFRA) can proceed with conveyance of Parcels A and B until the issue of the HRA is resolved. Don Capobres, SFRA, agreed that no development can occur until the HRA is completed. He added that planning for the future transfer is ongoing but redevelopment will not occur until the proper regulators sign off that it is safe to do so.

Melita Rines, RAB member, asked if the Navy will be issuing an interim HRA between now and the end of the year. Ms. Lowman said they will not. Mr. Campbell said that he knows of a former Shipyard employee who signed a secrecy agreement related to his work with radiological materials. He asked if this individual could be interviewed for the HRA. Ms. Lowman said that she has the proper security clearances to interview people who have signed secrecy agreements.

Mr. Tompkins confirmed that the Navy cannot transfer Parcel A until the HRA is completed. Mr. Forman agreed. Kevyn Lutton, RAB member, asked if there are any more classified documents related to NRDL or the Shipyard that RASO has yet to review. Ms. Lowman replied that she was not aware of any remaining classified documents, except for some documents related specifically to work NRDL personnel did at atomic weapons test sites.

Subcommittee Updates

Economic Development Subcommittee (Jesse Mason, Leader)

Mr. Mason said that the subcommittee meeting had originally been scheduled for 10 January but was rescheduled to the 16th. The meeting minutes have not yet been prepared. The issues that were discussed at the meeting include Shipyard space for community truckers, gathering a list of the local contractors doing business with the community, and a list of community residents working in the Shipyard.

Mr. Mason said the next meeting of the subcommittee will be at 3:30 P.M., February 12th, at 1790 Yosemite Ave.

Ad-hoc Radiological Subcommittee (Ahimsa Sumchai, Leader)

Ms. Sumchai said that the subcommittee met on 22 January, and the meeting minutes have not been completed. Ms. Lowman presented information at the subcommittee, much of which was similar to this evening's presentation.

Ms. Sumchai briefly mentioned the passing of Dr. Arthur Coleman, a member of the subcommittee. She recommended that members of the Radiological Subcommittee and the RAB assist Mr. Forman in locating former employees of NRDL and the Shipyard for the in-person RASO interviews.

Ms. Sumchai said the next meeting of the subcommittee will be from 3:00 – 5:00 P.M., March 26th, at the offices of Literacy for Environmental Justice (LEJ).

Technical Review Subcommittee (Chris Shirley, Leader)

Lea Loizos, ARC Ecology, said that Chris Shirley is no longer affiliated with ARC Ecology and will no longer be attending RAB meetings. Due to miscommunication related to Ms. Shirley's departure, there was no subcommittee meeting. Ms. Loizos said that she is completing a RAB membership application and hopes to replace Ms. Shirley on the RAB.

Ms. Loizos said the next meeting of the subcommittee will be on February 19th, the time and place to be decided later.

Risk Review and Health Assessment Subcommittee (Ray Tompkins, Leader)

Karen Pierce, RAB member, gave the report of the subcommittee. She said the subcommittee had not met since the last meeting.

Ms. Pierce said the next meeting of the subcommittee will be at 6:00 P.M., February 13th, at 5021 Third Street.

Membership & Bylaws Subcommittee (Keith Tisdell, Leader)

Ms. Rines said the subcommittee meeting minutes are prepared and available as a handout. Her first order of business was to make a motion to accept the revised bylaws, dated 05 December 2002. Ms. Pendergrass asked if everybody has had an opportunity to review the draft revised bylaws. The motion was seconded and after some brief discussion, the motion carried with three members opposed.

The next meeting of the subcommittee will be at 6:00 P.M., February 11th, at the Anna Waden Branch Library.

Other Discussions/Topics

The following items were also discussed at the RAB meeting. A verbatim account of these discussions is included in the Information Repository for HPS and may also be found on the HPS web page at www.efds.w.navy.mil/Environmental/HuntersPoint.htm

- Barbara Bushnell, RAB member, clarified that the Technical Review Subcommittee met on 13 November instead of 19 November, as written in the minutes. After a review of the 05 December 2002 RAB meeting transcript, it was discovered that Ms. Shirley incorrectly reported the date, however the meeting minutes were correct as written.

- Ms. Bushnell commented that subcommittee meetings scheduled to occur during the week and during normal business hours limit the attendance by people with normal work hours. She asked that subcommittee leaders consider “after hours” meetings.
- Mr. Brown presented Dick Lowman with two “Get Well” cards signed by members of the RAB and the audience.
- Ms. Bushnell said that the RAB Bylaws state that subcommittee chairs must be a current RAB member. Therefore, Ms. Loizos cannot be the Technical Review Subcommittee leader. Ms. Bushnell volunteered to lead the subcommittee in the interim.
- Mr. Campbell asked the Navy for clarification and additional information regarding how much money in contracts has been awarded to the local community. Ms. Pendergrass suggested this as an Action Item for a future RAB meeting.
- Francisco DaCosta, attendee, said that the Navy should work with the City and County of San Francisco to address some mitigation factors, and specifically air quality monitoring in the adjacent neighborhoods. Ms. Sunchai commented that the California Air Resources Board has agreed to work with LEJ to identify a site for the permanent stationing of an air monitoring station in the community. She suggested that the Navy could work with the City to identify the best location for that monitoring station.

Future Agenda Topics

There were no further announcements and no future agenda topics presented. The meeting was adjourned at 8:15 P.M.

Reminder: The next RAB meeting will be held from 6:00 to 8:00 P.M., Thursday evening, 27 February 2003 at Dago Mary’s Restaurant, Building #916 on the Shipyard.

ATTACHMENT A

23 JANUARY 2003 - RAB MEETING
LIST OF ATTENDEES

Name	Association
1. Christine M. Niccoli	Niccoli Reporting, court reporter
2. Marsha Pendergrass	Pendergrass & Associates, meeting facilitator
3. Quijuan Maloof	Pendergrass & Associates
4. Keith Forman	Navy RAB Co-chair , BRAC Environmental Coordinator
5. Dave DeMars	Navy Lead Remedial Project Manager
6. Laura Lowman	Navy, RASO
7. Richard Lowman	Navy, RASO
8. Martin Offenhauer	Navy
9. Lee Saunders	Navy
10. Steve Tyahla	Navy ROICC
11. Lynne Brown	RAB Community Co-chair , Communities for a Better Environment, CFC
12. Lani Asher	RAB member, Artist on the Shipyard
13. Barbara Bushnell	RAB member, ROSES
14. Maurice Campbell	RAB member, BDI, Community First Coalition, San Francisco Bay View
15. Charles Dacus, Jr.	RAB member, ROSES
16. Marie J. Franklin	RAB member, Shoreview Environmental, Inc.
17. Kevyn Lutton	RAB member, resident
18. Jesse Mason	RAB member, BVHP Community Advocates
19. James Morrison	RAB member, Environmental Technology
20. Georgia Oliva	RAB member, Communities for a Better Environment
21. Sulu Palega	RAB member, Hunters Point Boys and Girls Club
22. Dorothy Peters0n	RAB member, Shoreview Resident Association
23. Karen Pierce	RAB member, Bayview Advocates
24. Melita Rines	RAB member, India Basin Neighborhood Association
25. Ahimsa Sumchai	RAB member, Bayview-Hunter Point Health & Env. Resource Center.
26. Keith Tisdell	RAB member, resident
27. Raymond Tompkins	RAB member, Bayview-Hunters Point Coalition on the Environment
28. Caroline Washington	RAB member, Network for Elders
29. Amy Brownell	RAB member, San Francisco Department of Public Health
30. Chein Kao	RAB member, Cal. Dept. of Toxic Substances Control
31. Jackie Lane	RAB member, US EPA
32. Julie Menak	RAB member, Regional Water Quality Control Board
33. Michael Work	RAB member, US EPA
34. Rajiv Bhatia, M.D.	San Francisco Department of Health
35. Rita Shiau	San Francisco Department of Health
36. Peter Wilsey	San Francisco Department of Public Health
37. William Nelson	Agency for Toxic Substances and Disease Registry
38. Laurent Meillier	Regional Water Quality Control Board
39. Don Capobres	San Francisco Redevelopment Agency
40. Ronald Keichline	Bechtel National, Inc.
41. Doug Bielskis	Tetra Tech EM Inc.
42. Doug Davenport	Tetra Tech EM Inc.
43. Carolyn Hunter	Tetra Tech EM Inc.
44. Tom Shoff	Tetra Tech EM Inc.
45. Arvind Acharya	ITSI
46. Harry Adams	
47. James Ansbro	Resident
48. Andrew Bozeman	Heaven's Glade Economic Development
49. Mike Burkard	Denbeste Transportation Inc.
50. Francisco DaCosta	Environmental Justice Advocacy

51. Daryl DeLong	New World Technology
52. Heraldo Frausto	Resident
53. Bill Haney	New World Technology
54. Bob Hocker	Lennar
55. Paula Kaneshiro	
56. Stephen LaPlante	Mariners Village Resident
57. Lea Loizos	ARC Ecology
58. Connie Moore	US Army
59. Chuck Pardini	Levine-Fricke for Lennar
60. Willie Ratcliff	San Francisco Bayview Newspaper
61. John Reid	Reid for Mayor
62. Karen Rens	
63. Tom Rens	
64. Matthew Shaps, Esq	Paul Hastings LLP for Lennar
65. Clifton Smith	C.J. Smith & Associates
66. Carey Smith-Marehi	Student, Urban School of San Francisco
67. Mike Styvaert	US Army

ATTACHMENT B

23 JANUARY 2003 - RAB MEETING
ACTION ITEMS

Item No.	Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
Carry-Over Items				
1. None				
New Items				
1.	Additional information and clarification regarding "How much money in contracts has been awarded to the local community." Amended to that Action Item, how does the City of San Francisco's "First Choice" hiring policy apply to the Shipyard?	February RAB	Navy	

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HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD

REPORTER'S TRANSCRIPT OF MEETING

February 27, 2003

Dago Mary's Restaurant
Hunters Point Shipyards, Building 916
Donahue Street at Hudson Avenue
San Francisco, California

Reported by Christine M. Niccoli, RPR, C.S.R. No. 4569

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CERTIFIED SHORTHAND REPORTERS SERVING THE BAY AREA

Page 1

1 RAB MEMBERS [Cont.]:
2
3 JESSE MASON - Bayview-Hunters Point Community Advocates,
4 Community First Coalition (CFC)
5 JULIE MENACK - Regional Water Quality Control Board
6 JAMES MORRISON - Environmental Technology
7 GEORGIA OLIVA - Communities for a Better Environment
8 (CBE), CCA member
9 SULULAGI PALEGA - Hunters Point Boys & Girls Club,
10 Housing Authority, Samoan Community Development Center
11 DOROTHY PETERSON - Shoreview Resident Association
12 KAREN G. PIERCE - Bayview Advocates, BVHP Democratic Club
13 MELITA RINES - India Basin Neighborhood Association
14 AHIMSA PORTER SUMCHAI - Bayview-Hunters Point Health &
15 Environmental Resource Center (HERC)
16 KEITH TISELL - Hunters Point resident
17 RAYMOND TOMPKINS - Bayview-Hunters Point Coalition on
18 Environment
19 CAROLINE WASHINGTON - Southeast Community College Advisory
20 Board, Network for Elders
21 MICHAEL WORK - U.S. Environmental Protection Agency
22 LEILANI WRIGHT - JRM Associates
23 ---oOo---

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1 PARTICIPANTS
2
3 FACILITATOR: MARSHA PENDERGRASS - Pendergrass &
4 Associates
5 CO-CHAIRS: KEITH FORMAN - United States Navy SWDIV
6 LYNNE BROWN - Communities for a Better
7 Environment, Community First Coalition
8
9 RAB MEMBERS
10
11 LANI ASHER - Communities for a Better Environment (CBE),
12 Community First Coalition (CFC)
13 AMY BROWNELL - San Francisco Department of Public Health
14 BARBARA BUSHNELL - ROSES, resident
15 MAURICE CAMPBELL - Business Development, Inc. (BDI);
16 Community First Coalition (CFC); New California Media;
17 NEW BAYVIEW NEWSPAPER
18 CHARLES L. DACUS, SR. - Hunters Point resident, ROSES
19 MARIE J. FRANKLIN - Shoreview Environmental, Incorporated
20 MARIE HARRISON - Communities for a Better Environment
21 (CBE), SAN FRANCISCO BAY VIEW
22 MITSUYO HASEGAWA - JRM Associates
23 HELEN JACKSON - All Hallows Gardens Residents Association
24 KEVYN D. LUTTON - Resident
25 J. R. MANUEL - JRM Associates, India Basin resident

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1 OTHER ATTENDEES
2
3 KENNETH S. BAUGH - New World Environmental Inc.
4 DOUG BIELSKIS - Tetra Tech EM Inc.
5 ANDREW L. BOZEMAN - Southeast Sector Community
6 Development Corp., Heaven's Glade
7 PATRICK BROOKS - United States Navy
8 ALITA BROWN - Shipyards artist
9 MIKE BURKARD - Denbeste Transportation Inc.
10 ADON CAPOBRES - San Francisco Redevelopment Agency
11 FRANCISCO DA COSTA - Environmental Justice Advocacy
12 LIZ WHITTED DAWSON - Pendergrass & Associates
13 DARYL DeLONG - New World Environmental Inc.
14 DAVID B. DeMARS - United States Navy
15 LEM DOZIER
16 JAMES F. FIELDS - San Francisco Human Rights Commission
17 CDR. LINO FRAGOSO - United States Navy Radiological Affairs
18 Support Office (RASO)
19 BOB HOCKER - Lennar/Bayview-Hunters Point Team
20 CAROLYN HUNTER - Tetra Tech EM Inc.
21 JONI JORGENSEN-RISK - Innovative Technical Solutions,
22 Inc., (I.T.S.I.)
23 PAULA KANESHIRO - KRT Services
24 RONALD W. KEICHLINE - Bechtel National, Inc.
25 MASON KIRBY - Quezada Architecture, resident

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1 OTHER ATTENDEES [Cont.]:
 2
 3 LEA LOIZOS - Arc Ecology
 4 JEFFREY LONG - Shipyard tenant
 5 MARTIN OFFENHAUER - United States Navy
 6 JOHN PELOSI - United States Navy (NAVSEA)
 7 JOHN POLYAK - New World Environmental Inc.
 8 DEBORAH BERMAN SANTANA - Mills College Ethnic Studies
 9 Department
 10 LEE H. SAUNDERS - United States Navy
 11 MATTHEW L. SHAPS, ESQ. - Paul Hastings LLP for Lennar
 12 DAVID TERZIAN - The Point
 13 PETER WILSEY - San Francisco Department of Public Health
 14 STEFANIE YOW - Office of Congresswoman Nancy Pelosi
 15 ---oOo---

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1 Liz, you want to start?
 2 MS. WHITTED DAWSON: Liz Whitted Dawson.
 3 MS. PENDERGRASS: Dr. Sumchai?
 4 MS. SUMCHAI: Ahimsa Sumchai.
 5 MS. BROWNELL: Amy Brownell, San Francisco
 6 Health Department.
 7 MS. OLIVA: Georgia Oliva, Shipyard artist,
 8 member of CBE and RAB board. Lani will be late.
 9 MS. RINES: Melita Rines, India Basin
 10 Neighborhood Association.
 11 MS. BUSHNELL: Barbara Bushnell, RAB, ROSES.
 12 MR. DACUS: Charles L. Dacus, Sr., RAB and
 13 ROSES.
 14 MS. PETERSON: Dorothy Peterson, community and
 15 RAB.
 16 MR. MASON: Jesse Mason, Bayview Advocates,
 17 Community First Coalition, resident.
 18 MS. WRIGHT: Leinani Wright, RAB member.
 19 MS. PENDERGRASS: Before we go any further,
 20 want to start over here? Sir? Name, please.
 21 MR. BAUGH: Kenneth Baugh, New World
 22 Environmental.
 23 MS. PENDERGRASS: Please -- Kenneth Paul, New
 24 World Envir- --
 25 MR. BAUGH: Baugh.

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1 SAN FRANCISCO, CALIFORNIA, THURSDAY, FEBRUARY 27, 2003
 2 6:05 P.M.
 3 ---oOo---
 4 MS. PENDERGRASS: Okay. The February 27th,
 5 2003, San Francisco Hunters Point Shipyard Restoration
 6 Advisory Board board meeting is now come to order.
 7 Please find seats, board members around the
 8 table; environmental regulators, so forth, around the
 9 table.
 10 And thanks to Melita, we have a new setup
 11 tonight.
 12 MS. RINES: And if you don't like it, don't
 13 complain.
 14 MS. BUSHNELL: That's the process.
 15 MS. ATTENDEE: I like that.
 16 MR. TISDELL: I don't like it.
 17 MS. PENDERGRASS: Okay. Let's -- As we always
 18 do, let's start with introductions. And I'm Marsha
 19 Pendergrass, your facilitator tonight. We also -- I
 20 have a person working with me tonight named Liz Witted
 21 Dawson.
 22 And we'll start over there with introductions.
 23 And if you could just say your name as -- loudly, stand
 24 up and say your name would be great so we can capture
 25 for the record.

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1 MS. PENDERGRASS: Paul.
 2 MR. BAUGH: Baugh.
 3 MS. ATTENDEE: P-a-u-l.
 4 MS. PENDERGRASS: Okay.
 5 MR. DeLONG: Daryl DeLong, New World
 6 Environmental.
 7 MR. BURKARD: Mike Burkard, Denbeste
 8 Transportation.
 9 THE REPORTER: I'm sorry. I didn't hear you.
 10 MR. BURKARD: Denbeste Transportation.
 11 THE REPORTER: No. Start from the beginning.
 12 MR. BURKARD: Mike Burkard, Denbeste
 13 Transportation.
 14 MS. PENDERGRASS: Yes, sir, on the end there?
 15 MR. POLYAK: John Polyak, P-o-l-y-a-k, New
 16 World.
 17 MS. PENDERGRASS: All right. Thank you, sir.
 18 Mr. Forman?
 19 MR. FORMAN: Keith Forman, Navy RAB Co-chair
 20 and BRAC Environmental Coordinator.
 21 MR. DeMARS: Dave DeMars, Navy Lead Project
 22 Manager.
 23 MR. BROOKS: Patrick Brooks, Remedial Project
 24 Manager for the Navy.
 25 MR. OFFENHAUER: Marty Offenhauer, Navy

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1 Remedial Project Manager.
2 MS. PENDERGRASS: Did you get that, Christine?
3 State it one more time.
4 MR. OFFENHAUER: Marty Offenhauer.
5 MR. BROWN: Lynne Brown, Co-chair of RAB.
6 MR. WORK: Michael Work, U.S. Environmental
7 Protection Agency.
8 MS. MENACK: Julie Menack, Regional Water
9 Quality Control Board of the state of California.
10 MS. BROWNELL: I've already gone.
11 MR. TISDELL: Keith Tisdell.
12 MS. PENDERGRASS: Come on, Keith. Mr. Tisdell?
13 MR. TISDELL: Keith Tisdell.
14 MS. PENDERGRASS: Oh, yes, sir.
15 MS. LUTTON: Kevyn Lutton.
16 MS. JACKSON: Helen Jackson from All Hallows.
17 MR. CAMPBELL: Maurice Campbell, New California
18 Media, BDI.
19 MR. TOMPKINS: Raymond Tompkins, RAB member.
20 MS. JORGENSEN-RISK: Joni Jorgensen-Risk,
21 I.T.S.I.
22 MR. KEICHLINE: Ronald Keichline, Bechtel,
23 community relations.
24 MS. PENDERGRASS: Okay. Let's start over here.
25 MR. DA COSTA: Francisco Da Costa,

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1 Commission.
2 MS. PENDERGRASS: Mr. Fields, welcome.
3 Yes, sir.
4 CDR. FRAGOSO: Lino Fragoso, RASO.
5 MR. BOZEMAN: Andrew Bozeman, Southeast Sector
6 Community Development Corp.
7 MS. HUNTER: Carolyn Hunter, Tetra Tech.
8 MS. PENDERGRASS: Yes, sir.
9 MR. BIELSKIS: Doug Bielskis, Tetra Tech.
10 MS. PENDERGRASS: Anybody we forget? Anybody
11 over on this side that we overlooked?
12 I'm sorry, sir, did we get -- did you get
13 introduced?
14 MR. LONG: Jeffrey Long, Shipyard tenant.
15 MS. PENDERGRASS: Okay. Sir, in the back in
16 the red jacket.
17 MR. BURKARD: I've already -- Mike Burkard.
18 MS. PENDERGRASS: Thank you. I'm sorry. I'm
19 sorry.
20 As you see, I have a hoarse voice tonight, so
21 I'm really struggling tonight.
22 All right. Has everybody had a chance to
23 review the agenda?
24 Did everybody remember to sign in on the -- the
25 sheet as you came in? Please. And the reason why we

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1 Environmental Justice Advocacy.
2 MS. LOIZOS: Lea Loizos, Arc Ecology.
3 MS. PENDERGRASS: Did you get that?
4 THE REPORTER: (Nods.)
5 MR. WILSEY: Peter Wilsey, Department of Public
6 Health.
7 MS. PENDERGRASS: Peter Wilson?
8 MR. WILSEY: Wilsey.
9 MS. PENDERGRASS: Wilsey. Department of Public
10 Health.
11 MR. DOZIER: Lem Dozier . . .
12 [unintelligible].
13 THE REPORTER: I'm sorry?
14 MS. PENDERGRASS: Would you say it over, the
15 last --
16 MR. DOZIER: Oh. Lem Dozier, D-o-z-i-e-r.
17 MS. PENDERGRASS: Lim, L-i-m?
18 MR. DOZIER: L-e-m.
19 MS. PENDERGRASS: L-e-m, okay.
20 Yes, ma'am.
21 MS. BROWN: Alita Brown, artist.
22 MR. SHAPS: Matt Shaps, environmental attorney
23 for Lennar.
24 MR. HOCKER: Bob Hocker, Lennar-BVHP Team.
25 MR. FIELDS: James F. Fields, Human Rights

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1 need to capture your names clearly is because this is
2 public record. This is a public meeting.
3 All right. We have had a chance to review the
4 agenda. Any changes or suggestions?
5 All right. We'll move right along, then.
6 Has everybody had a chance to review the
7 minutes?
8 MS. BUSHNELL: Yeah.
9 MS. PENDERGRASS: Does anybody have anything
10 they'd like to tell me about the minutes?
11 MS. BUSHNELL: Yes. I -- There's a item on
12 page 4. It's part of the City's health report. It's in
13 the second paragraph. It's about one, two, three, four,
14 five lines down. It starts -- The statement says, "She
15 stated that this analysis is not perfect because [sic]
16 it does not include people who may not have experienced
17 symptoms but did not seek treatment"
18 I think there -- the "not" -- the second "not"
19 should not be there, because it says in -- says in
20 further on down, she reiterated that fire -- "people
21 who . . . suffered fire related symptoms but did not
22 seek hospital treatment." I think it's just a triple
23 negative.
24 MS. RINES: Too many nots.
25 MR. KEICHLINE: Noted.

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1 MS. PENDERGRASS: Okay. Yes, sir.
2 MR. CAMPBELL: On page 3 on -- and we're -- on
3 Mr. Nelson's ATSDR presentation, we asked him if he knew
4 exactly what was in the landfill. He replied he did.
5 This is contrary to other agencies not knowing
6 what's there; and since their agency is responsible for
7 toxics, we think that needs to be in the minutes,
8 because it's highly inaccurate.
9 MS. PENDERGRASS: That he said he does not know
10 or that he does know?
11 MR. BROWN: He does know.
12 MR. CAMPBELL: He does know, yeah.
13 MS. PENDERGRASS: All right.
14 MR. CAMPBELL: So that's -- that's a very
15 serious statement.
16 MS. PENDERGRASS: Does everybody else remember
17 that the same way? If not, we can look it up on the
18 transcript and make sure it was --
19 MS. LUTTON: I remember that.
20 MS. PENDERGRASS: Okay.
21 Can you make a change, Ron?
22 MR. KEICHLINE: Yeah.
23 MR. WORK: Is the question do the minutes
24 reflect what he said accurately? Because he works in my
25 building, and I can have him take a look at it.

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1 MS. PENDERGRASS: Well, it's kind of what
2 happened at the meeting. Since we do have a verbatim
3 transcript, we can always just double-check it.
4 MR. WORK: Okay. All right.
5 MS. PENDERGRASS: All right. Anything --?
6 MR. FORMAN: Yeah. Could we just do an action
7 item for Ron Keichline, to double-check that --
8 MR. KEICHLINE: I'm double-checking --?
9 MS. PENDERGRASS: -- to see what he said about
10 yes, he knew what was in the landfill.
11 MR. KEICHLINE: Okay. I just wanted to make
12 sure I didn't miss some of the discussion.
13 MS. PENDERGRASS: Double-check that and correct
14 it.
15 MR. FORMAN: Yeah. So that Maurice's concern
16 is properly reflected, let's just go back to the literal
17 transcript.
18 MS. PENDERGRASS: Right.
19 MR. ATTENDEE: Right.
20 MS. PENDERGRASS: I need a motion.
21 MR. TOMPKINS: Hold on. I have one other point
22 of correction.
23 MS. PENDERGRASS: Yes, sir.
24 MR. TOMPKINS: Thank you.
25 Also and then page 2 and 3 in terms of

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1 discussions that I had with representative from ATSDR,
2 he referred to in his discussion when I asked about the
3 clarity that he had actual reports.
4 And I asked was there a difference from what we
5 presented from the Navy dealing with the 22 days after
6 the fire.
7 And I don't see any reflection where he was
8 supposed to get back to us with that data in terms of
9 those reports. If he has something that we don't
10 have --
11 MS. PENDERGRASS: Okay. Well, I think that
12 there are two parts --
13 MR. TOMPKINS: I made that real specific
14 question.
15 MS. PENDERGRASS: -- two parts to that. We're
16 in the minute reviews. Oh. If that's not reflected in
17 the minutes, again, we need to go back and review the
18 transcript to make sure that there was something that
19 he --
20 MR. TOMPKINS: That's when we invited him to
21 deal with the subcommittee on health and risk
22 assessment.
23 MS. PENDERGRASS: But make sure you hold that
24 point that we might need to add that as an action item.
25 MR. KEICHLINE: I was going to ask, is that an

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1 action item or a minutes correction?
2 MR. TOMPKINS: Minutes correction.
3 MS. PENDERGRASS: It's a minutes correction.
4 MR. TOMPKINS: It was just -- I was given a
5 practice point in time for minutes. But after I asked
6 that, then that was a lead in to attend the meeting, but
7 that we wanted the actual data that he said he had.
8 MS. PENDERGRASS: Did you get that?
9 MR. KEICHLINE: How do you want the minutes
10 corrected to reflect that?
11 MR. TOMPKINS: We're asking for the actual test
12 data that was taken at the time of the fire. He stated
13 he had that.
14 MS. PENDERGRASS: Okay. We'll look into that
15 and make that correction.
16 MR. TOMPKINS: -- information.
17 MS. PENDERGRASS: With -- The minutes with
18 those three corrections made, do I hear a question, a
19 motion on the floor?
20 MR. TOMPKINS: I so move.
21 MR. CAMPBELL: I second.
22 MS. PENDERGRASS: I actually have a motion.
23 Okay. Any other discussion regarding the
24 minutes?
25 All right. All in favor of accepting the

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1 minutes dated January 23rd, 2003, with the three amended
2 sections, all in favor, say, "Aye."

3 THE BOARD: Aye.

4 MS. PENDERGRASS: Those opposed?

5 Any abstentions tonight? One abstention,
6 please? Two abstentions. Thank you. Three
7 abstentions. All right.

8 All right. We'll move to review of the action
9 items. And let's see. We didn't have any carryover
10 items, but we had a couple new ones: Additional
11 information and clarification regarding how much money
12 in contracts had been awarded to the community.

13 Mr. Forman, was that something that you were
14 going to provide?

15 MR. FORMAN: That was something that the
16 contract specialists are working on for the next
17 subcommittee, the Economic -- excuse me -- the next
18 Economic Development Subcommittee.

19 MS. PENDERGRASS: Okay. Then we need to amend
20 that action item to reflect that the Item 1 on these new
21 items is not really an action item for the RAB but an
22 action item for the subcommittee.

23 All right. Amended to the action item, how
24 does the City of San Francisco's first-choice hiring
25 policy apply to the Shipyard?

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1 discussed in the -- in the subcommittee? Because
2 it's --

3 MR. CAMPBELL: It can be, but I think it has to
4 come out in a formal report to that RAB so it is very
5 clear what's taking place.

6 MS. PENDERGRASS: So I see an action item that
7 you'd like this on the agenda for the subcommittee and
8 that you'd like a report?

9 MR. CAMPBELL: We want a formal Economic
10 Subcommittee full report on all of these things with the
11 Navy's responses.

12 MR. FORMAN: Yeah, Maurice, it was unclear to
13 me. That's the Navy response or City of San Francisco's
14 response on -- on their -- their first-choice hiring
15 policy?

16 MR. CAMPBELL: Oh, first-choice hiring is San
17 Francisco's, okay. But what we're trying to do and what
18 we're going to do is: You've got a bunch of contractors
19 that are representing the Navy DBE qualifications. We
20 want to make sure that these DBE qualifications are
21 working under the guidance of San Francisco's --

22 MR. FORMAN: Okay.

23 MR. CAMPBELL: Thank you.

24 MR. FORMAN: I think the best -- the best most
25 effective way to handle that, in my opinion, is: Since

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1 Again, this seems to apply to this committee.
2 Does it not? Mr. Mason?

3 MR. ATTENDEE: No.

4 MS. PENDERGRASS: Maurice. I'm sorry. Wasn't
5 that one of your --?

6 MR. CAMPBELL: Yes. Yes, it does. I think
7 more than a subcommittee it's for the general RAB.
8 The -- the dollar amounts affect the -- the local
9 community. That's the general RAB review-type thing
10 after -- after that information is put together.

11 MS. PENDERGRASS: But what does that have to do
12 with the cleanup of the Shipyard?

13 And it's my understanding that the purview of
14 this board is the cleanup of the Shipyard.

15 So what does the first-choice policy have to do
16 with the cleanup? I'm just trying to make sure I'm
17 clear.

18 MR. CAMPBELL: First-choice hiring?

19 MS. PENDERGRASS: Yes.

20 MR. CAMPBELL: First-choice hiring is how many
21 of the people get hired to do the cleanup.

22 MS. PENDERGRASS: I understand what it is. I'm
23 saying, but --

24 MR. CAMPBELL: What's the question?

25 MS. PENDERGRASS: -- should that not be

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1 that's a technical contracting issue and -- and that
2 type of issue rather than a -- a cleanup issue, why
3 don't we work that out with the senior contract
4 specialist and the base commander at the subcommittee
5 meeting?

6 And then you as a subcommittee chair can report
7 that to the -- everybody at the next RAB as to what
8 happened, whether you're satisfied or not, and what the
9 answers are.

10 MR. CAMPBELL: Thank you.

11 MS. PENDERGRASS: But again, that's moved to
12 the agenda for the subcommittee with a report to follow.
13 All right? So those are removed at this point.

14 Any other questions about action items or
15 something that doesn't appear?

16 All right. Then we're going to move right
17 along into the Navy announcements.

18 MR. FORMAN: Okay. Yeah. Couple of things.
19 We're going to concentrate tonight on a technology we're
20 using on one of the plumes on Parcel C, and Pat Brooks
21 will be giving that presentation.

22 But on Parcel E on the -- on landfill gas, we
23 are not doing the presentation tonight, as you know,
24 because of the -- what else is on the agenda.

25 But I do recommend that you turn to our Web

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1 site again. We have completed the fourth week of the
2 weekly monitoring phase where we go out with field
3 instruments and monitor at the landfill, and we have
4 those results, and they are posted to the Web site.
5 But we are following our action memorandum that
6 we talked about. And the action memorandum says: After
7 the fourth week, something special happens. You go out.
8 You monitor. But in addition to monitoring, you go out
9 and take actual samples. So we took air samples as well
10 that are going to go to the lab on those gas-monitoring
11 probes.
12 And in addition to that, what we do is: We
13 continue monitoring now, but we go to the next phase of
14 monitoring, which is monthly monitoring per the action
15 memorandum.
16 If there's questions about that, I think that
17 that's another possible topic for the next Technical
18 Subcommittee meeting when we can present more on that
19 there. But you're welcome to go to the Web site.
20 Second item quickly is: I talked to Lynne
21 Brown, and I think one of the things I'd like to offer
22 up as a suggestion is: It's difficult -- If the Navy's
23 going to be invited to a subcommittee meeting -- and we
24 enjoy being invited, and -- and we like doing that; but
25 if you're a subcommittee chair and -- and you are pretty

1 sure you want the Navy or somebody representing the Navy
2 or one of our contractors at the subcommittee meeting,
3 can you go ahead and reach out to Dave or I ahead of the
4 RAB?
5 And that way when you post the date up here for
6 your subcommittee meeting, we already know that we can
7 make the date, because the potential problem we've had
8 is: If you notice, sometimes subcommittee meetings
9 occur on the same day, or they are clustered in two or
10 three days when we are also doing some other --
11 something else here.
12 So it would be good only if you need the Navy
13 there and you want to lock in Dave or I or anybody else
14 from the Navy, go ahead prior to the RAB, and let's
15 coordinate a date so that we can all be there; and I
16 think it will work a little smoother. Thank you.
17 MS. PENDERGRASS: Lynne?
18 MR. BROWN: I don't have any topics.
19 MR. MASON: I have a comment. I have a
20 comment.
21 MS. PENDERGRASS: Well, it's not your time yet,
22 but we'll make an exception just for you.
23 MR. MASON: Thank you. Thank you.
24 And -- and I appreciate that, Keith, because we
25 have been trying to get you and Dave DeMars to the

1 Economic Committee for quite some time. But what
2 happened was: We cancelled out on the 12th. You guys
3 set a date for the 19th, and you canceled out on that
4 That was a tech date -- Tech later on but that evening
5 I understand you were up here, but we didn't get the
6 privilege of having you at our economic meeting.
7 MR. FORMAN: No problem, Jesse. And Maurice
8 Campbell's already taken care of that. In fact, on
9 March 12th now at 3 p.m., we're all locked in.
10 MR. MASON: Fantastic.
11 MS. PENDERGRASS: Okay. Before we move on to
12 our presentation, at this point just want to give folks
13 a chance -- who have not introduced themselves who have
14 just come in a chance to do so, because we have a few
15 late RAB members.
16 MS. FRANKLIN: Oh. Good afternoon. My name is
17 Marie J. Franklin.
18 MS. PENDERGRASS: Okay.
19 MS. ASHER: My name is Lani Asher.
20 MS. PENDERGRASS: Is there anybody else?
21 MR. MORRISON: James Morrison.
22 MS. PENDERGRASS: Okay.
23 MR. FORMAN: That's Jesse's [indicating].
24 MS. PENDERGRASS: Anybody over here? We're
25 kind of going back to introductions, because we -- a lot

1 of people weren't here.
2 MS. PETERSON: She's over there now.
3 MR. CAPOBRES: RAB members?
4 MR. ATTENDEE: Everyone.
5 MS. PENDERGRASS: We're looking -- I'm looking
6 over here.
7 MR. CAPOBRES: Don Capobres, Redevelopment
8 Agency.
9 MS. PENDERGRASS: Thank you so much.
10 Caroline Washington? Okay.
11 Anybody else? Okay.
12 MR. MASON: Yes, right here.
13 MS. HARRISON: Excuse me, I didn't introduce
14 myself.
15 MS. PENDERGRASS: Please introduce yourself
16 tonight. We haven't seen you in a while.
17 MS. HARRISON: Well, and this is true. But
18 know that I've been working very diligently, very hard,
19 for my community. So I've been here, just not in this
20 room.
21 MS. PENDERGRASS: Yes, ma'am. Thank you.
22 Thank you.
23 MS. PIERCE: Karen Pierce.
24 MS. PENDERGRASS: Okay, Karen.
25 MR. TERZIAN: Dave Terzian. I work with the

1 artists at the Shipyard. I represent and assist with
2 The Point management.
3 MS. PENDERGRASS: Thank you. Welcome.
4 All right.
5 MS. BROWNELL: I have a quick announcement.
6 It's sort of a follow-up from the report that the Health
7 Department gave last month.
8 As Dr. Bhatia mentioned at the time, it was --
9 it's a draft report, and we would welcome anyone's input
10 from that report. So if you have any input, comments,
11 corrections, anything you would like to get to us,
12 please get with me. I can give you my e-mail or phone
13 number, whatever you need, and so we can get that report
14 finalized.
15 MS. PENDERGRASS: Okay. Very good. And one
16 more housekeeping: Again, please remember to sign in as
17 RAB member on the list in the back, and all of the
18 subcommittee reports as well as agendas are on the
19 table.
20 All right. We'll turn it over to Patrick.
21 MR. BROOKS: Can you all hear me? If I just
22 speak loudly, I don't have to hang onto the microphone.
23 MR. TISDELL: Sure, if you talk loud.
24 MR. BROOKS: All right. I'm Pat Brooks. Some
25 of you might remember, I was here about a year ago

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1 talking about some innovative groundwater cleanup
2 technologies that we -- that we wanted to try out here
3 at the Shipyard. And so tonight I'm coming back, and I
4 want to give you the preliminary results of one of them
5 that we've used over at Parcel C.
6 And it's -- Quick on the trigger there, Doug.
7 And it's an innovative cleanup of
8 trichloroethene in groundwater, using iron injection.
9 So we tried to use something that's safe and innocuous,
10 iron, to break down the main chemical that's in the
11 groundwater there, the main contaminant,
12 trichloroethene.
13 Okay. Next slide.
14 This is just a presentation outline for you.
15 We'll just go over the location, where we did the
16 treatability study, some background, some of the primary
17 objectives. There are some other objectives in the
18 study; but because the study's not yet completed, I
19 don't have all the data to go over everything.
20 I want to explain a little bit about the
21 chemistry of how we actually break down and destroy
22 these contaminants, talk to you a little bit about the
23 injection methodology, how we -- how we get the iron
24 into the ground and down into the groundwater where it
25 can treat the contamination.

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1 And then I want to show you the existing
2 conditions, you know, where we started out before the
3 treatability study took place, what did the -- what were
4 the groundwater conditions.
5 And then I want to show you the initial
6 results -- we got some initial results that are very
7 interesting -- and then just some preliminary
8 conclusions.
9 Okay. Here we are. Hunters Point Shipyard.
10 Our site is going to be over here somewhere.
11 Next slide, please.
12 Here we are again. This is Dry Dock 4, and
13 here's our building where the treatability study took
14 place. That's Building 272 on Parcel C.
15 Next slide, please.
16 Okay. Some background: Back when I first took
17 this position, I was encouraged to fill out a proposal
18 to try out some innovative technologies. The proposal
19 went out Navy-wide. Two proposals were selected, and
20 one was actually funded in 2001. This is the only
21 technology, the only proposal, that actually gained
22 funding. So we were very happy about that.
23 TCE is the primary contaminant at the site.
24 TCE, or trichloroethene, is the solvent, the chlorinated
25 solvent, used to remove grease and sludge and that kind

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1 of thing off metal parts.
2 Our project team: Keith Forman, Dave DeMars,
3 myself. Dr. D. B. Chan up in Port Hueneme was one of
4 our technical advisors. At Tetra Tech: Our project
5 manager John McCall, quality assurance guy, Greg
6 Swanson. Don Cheng and Debbie Chen have also helped out
7 a lot. And ARS Technologies, they're our contractor who
8 actually put the iron into the ground. Steve Chen is
9 the project manager on this project.
10 So our primary objectives are: See if we can
11 use iron injection to clean up the trichloroethene in
12 the groundwater. That's probably the main objective.
13 We want to evaluate whether the contamination
14 is moved when we do inject the iron. When you -- when
15 you inject a volume into the plume, it could have the
16 possibility of pushing the plume away. So we want to
17 look at that.
18 And we want to evaluate the size of the
19 treatment zone, because that, of course, translates back
20 into how much is it going to cost to clean the entire
21 contamination.
22 Next slide.
23 Okay. It's -- It looks complicated, but it's
24 not unless you know a little bit about chemistry, and I
25 only know a little bit.

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1 So what happens is: We inject some iron into
2 the ground. Here's our iron. When it corrodes, it
3 gives up a couple of electrons. It doesn't have any
4 charge here at all. Ends up with a plus-2 charge and
5 has to give up two electrons.

6 Okay. What takes those electrons? We have
7 chlorines here, trichloroethene, so it's got three
8 chlorines on the molecule. It's gonna pick up those
9 electrons, and then it goes to the chloride ion, just
10 like what we have in seawater. And we get a -- we get
11 ethene here as a by-product also.

12 So we put iron in. We destroy the
13 contamination. And we get out these harmless
14 by-products of ethene and chloride. So seems pretty
15 cool if it works.

16 MR. TOMPKINS: Excuse me. Is it ferrous
17 oxide --?

18 MS. PENDERGRASS: Can we save the questions
19 till the end of the presentation?

20 MR. TOMPKINS: I'm just trying to get what
21 chemical he has on the board.

22 In other words, he is putting ferrous oxide in
23 it?

24 MR. BROOKS: Just -- We put in zero valent --
25 (Interruption.)

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1 MR. BROOKS: We put in the zero valent iron,
2 and it corrodes to ferric iron. Two plus.
3 Okay. Next slide.
4 And thanks for not asking me any too
5 complicated kind of questions.
6 Here's a -- here's a blowup here of what the
7 iron looks like. It's got an irregular shape. It's got
8 a lot of surface area for contact with contaminated
9 water. That's what we want. Particles are very small.
10 There are 40 micron particles. Feels like flour when
11 you put some in your hands.

12 High purity iron: It's got a little trace of
13 carbon in the particle structure. We get it from a
14 vendor in Japan where they mine it and mill it there in
15 Japan. Comes from a hematite mine, an iron mine.

16 And this is the methodology that we use to put
17 the iron into the ground. This is where it does get a
18 little bit complicated and requires some special
19 machinery.

20 The first step is: We like to open up the
21 formation by injecting nitrogen gas into the aquifer.
22 We do that for about 10 to 15 seconds. This kind of
23 pushes the nitrogen gas into the pore spaces where the
24 water is, and it opens some new pore spaces as well.

25 So following that initial nitrogen injection,

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1 then an iron-water slurry is introduced to that nitrogen
2 gas stream that's going down into the aquifer. I got
3 some pictures of it. It will make it a little bit
4 clearer.

5 And the nitrogen acts as a carrier fluid to
6 atomize this slurry and disperse it into the aquifer all
7 throughout the contamination. And it's -- it makes for
8 a good contact between the iron and the contaminants,
9 and that's what we want to see.

10 When we started out, we thought that we'd get
11 about a 20-foot radius of influence. In other words, we
12 inject iron here, 20 feet all around that injection
13 zone. That's what we're thinking we're going to get as
14 a radius and influence or a treatment zone based on the
15 prior experience of the contractor who does the
16 injection.

17 Okay, next slide.

18 Okay. Here's Building 272. These are our
19 nitrogen storage tanks. This is what supplies the
20 nitrogen for this treatability study; and we kept it
21 parked outside, hose going through the building here.

22 Next slide.

23 Here we have a pressure reduction manifold.
24 Those tanks are under very high pressure, probably
25 1,000, maybe 2,000 psi. I don't recall. But the

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1 pressure reduction manifold knocks that down in
2 something more usable that you can actually put down
3 into the aquifer. So that's our manifold.

4 Next slide.

5 Here's our iron-water-nitrogen slurry mixer.
6 What we have is bags of iron here. The iron bags come
7 with about 70 pounds of iron. And we got water coming
8 in here [indicating], potable water. They dump the iron
9 in. It mixes all up; and then when they're ready to put
10 it down into the aquifer, down into the contamination,
11 then they release the nitrogen, combines with the
12 nitrogen, and blows it down to the subsurface.

13 Next slide.

14 Here's our injection well, and this is how we
15 control where the -- where the iron goes. We start it
16 from the -- We drilled the -- we drilled the injection
17 borings about 33 feet deep. We started at the bottom
18 where the contamination was the least concentrated.

19 And we have a device called a packer. So this
20 pipe is holding our soil boring open. We got the packer
21 assembly down here. These two tubes are what is used to
22 inflate the packer. It's like two balloons, for lack of
23 a better example, that blow up, against the soil; and
24 you've got a 3-foot interval that the nitrogen and the
25 iron slurry blows into the contaminated groundwater.

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1 So we are only doing 3 feet at a time. We
2 start at the bottom where the contamination is the least
3 concentrated, and we work up.
4 Next slide.
5 Just one of the guys recording the injection
6 pressure over here on the computer.
7 Next slide, please.
8 This is from our work plan, and this is -- this
9 is, like, where we started. This is what we knew about
10 it before we did any pre-injection monitoring of the
11 groundwater conditions.
12 These -- these groundwater concentrations
13 represented, oh, maybe data over a year, a year and a
14 half, that we've put together to try to get an idea of
15 what things look like out there and then what our
16 treatment zones would look like in the green if we -- if
17 we had a 20-foot radius of influence. So this is --
18 this is where we are starting, trying to make our plans
19 here.

20 Next slide.
21 Again, just a cross-sectional diagram. This is
22 where we think our treatment zone's going to be here,
23 here in the -- in the green. We try to get down here
24 low underneath most of the high concentrations of the
25 contamination. That kind of lays a blanket of iron out

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1 there so we don't force anything deeper. That was one
2 of our concerns, don't --
3 MS. BUSHNELL: Can I -- can I ask what the
4 scale of this is, I mean, how -- what is the dimensions
5 of how big it is?
6 MR. BROOKS: This is 5 feet here, and I believe
7 the -- I believe the horizontal scale is the same as the
8 vertical scale. The plume in Building 272 is quite
9 small. That's what made it a good candidate for
10 treatability study. It's got high concentrations in the
11 center, but --
12 Can we go back one side there?
13 This is probably only about 10 or 15 feet here
14 across the hot spots. It's not big.
15 MS. BUSHNELL: Thank you.
16 MR. BROOKS: So that made it an ideal candidate
17 to go in there and see if this technology is going to
18 work. If it's going to work, maybe we can apply it
19 somewhere else. So we choose a nice small size plume
20 where we can just get information on the chemistry and
21 the effectiveness.

22 Okay. Let's go.
23 Part of the work plan, we did a bunch of
24 groundwater sampling before we did any of the
25 injections. We wanted to know a bunch of different

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1 things about the chemistry in the aquifer. I'm only
2 going to show you here the trichloroethene in
3 groundwater.
4 You can see here we have 50,000 micrograms per
5 liter in our hot spot area, yet one of the wells
6 actually came up 88,000 micrograms per liter. It's
7 pretty darn high.
8 Again, not a huge -- not a huge plume.
9 There's -- It looks like it's going to be 7 1/2 feet
10 right there. So it's just not very big.
11 MS. SUMCHAI: How does that --?
12 MR. BROOKS: And it just --
13 MS. SUMCHAI: -- how that compares with the
14 groundwater contamination in Mountain View where it's
15 going into homes.
16 MR. BROOKS: You know, I don't know, but this
17 is pretty high. I'm -- I would just -- I'm just going
18 to guess -- I don't know, but I think this is probably
19 higher. This is pretty high.
20 MS. BROWNELL: But a smaller area.
21 MR. BROOKS: Very small area. Very, very small
22 area, which made it good.
23 MS. LUTTON: This is liquid or gas?
24 MR. BROOKS: The trichloroethene? It's
25 actually dissolved in the groundwater. It's like, you

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1 know, shaking salt in water. It dissolves.
2 MS. MENACK: But I think the question you're
3 asking is, can it be in the gas phase? And it can be --
4 MR. BROOKS: Yeah.
5 MS. MENACK: -- between the water table and the
6 ground surface like it was in Mountain View where it's
7 going into homes.
8 MR. BROOKS: Yeah. Yeah, that's real true. I
9 should have picked up on that, but . . .
10 What we measured here is in the water; but
11 because it is a volatile organic compound, it does like
12 to exist in the gas phase too. So . . .
13 Next slide.
14 This is the cool one. Here is after the first
15 round of injections. And remember we had the
16 50,000 micrograms per liter over here? It's totally
17 gone, totally missing.
18 What we have here this -- now, if you're just
19 looking at the map, you're thinking: Okay, well, here's
20 our hot spot over here. Maybe it's been displaced or
21 something.

22 What I think is happening over here is: We've
23 just got better treatment in this area, and this is --
24 this is being treated also only maybe not quite as
25 effective as this stuff over here.

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1 Let -- let's switch back. Go back up one
2 slide.
3 There's our pre-injection. 50,000, 5,000, 500.
4 Pretty concentrated area of contamination.
5 Okay, go back to the old one.
6 This is after only three weeks of treatment.
7 Three weeks and we really -- we really knocked it down.
8 So we saw this data and we thought: What a great
9 presentation to give and show you what we're doing.
10 MR. FORMAN: Watch out, he's bragging.
11 MR. BROOKS: Okay, next slide.
12 Now we get to some of the boring graphs.
13 Here's one of the hot spot wells, 78,000 micrograms per
14 liter. This number we -- We took two samples for the
15 high number. Little bit different. We averaged them,
16 78,000.
17 And what we do is: We look at a couple of
18 things. Remember earlier I said that when the iron
19 corrodes, it gives off some electrons. And those
20 electrons go to those chlorines and -- and break them
21 off of the trichloroethene molecule. That's how it
22 becomes treated. That's how it destroys the
23 contamination.
24 So we're measuring what we call ORP, or
25 oxidation reduction potential. It's measured in

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1 millivolts. We want to see a low number here. Low
2 numbers mean that we've got -- that the treatment is
3 working. The iron's breaking down. Chlorines are able
4 to grab those free electrons and break off the
5 trichloroethene molecules.
6 So we start up here with an initial reading of
7 166.3 on the ORP, and our initial concentration is
8 78,000.
9 After about three weeks, you can see we're all
10 the way down here to minus 555. So we're thinking:
11 Whew, this is great. And our concentration's down to
12 360.
13 So latest reading, climb back up a little bit
14 back up to 730. This is not something that's unusual in
15 the first rounds of monitoring, according to my
16 contractor. Sometimes you just see a little -- a little
17 rise, and then it will just continue to tail off.
18 This iron is effective and it will keep
19 corroding, producing these low ORP values or this one
20 right here [indicating] for about two years. So it's
21 got some staying power.
22 So that's our hot spot well. Looking pretty
23 good. It came down about a hundred times in three
24 weeks.
25 Here is a mid plume well. Same kind of story.

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1 The oxygen -- or excuse me. Oxidation reduction
2 potential: Again, it's decreasing. Looks like you got
3 again about a factor of a hundred reduction in three
4 weeks. It's coming back up just a little bit. Looks
5 lot like the old one that we just saw. Oxidation
6 reduction potential continues to go down.
7 Here is our vertical plume displacement well.
8 Remember, I said we wanted to lay that blanket of iron
9 down deep to keep -- to keep the contamination from
10 being spread vertically. We lay the blanket down; then
11 we continue injecting as we pull up 3 feet by 3 feet.
12 But if any contamination gets moved, it gets moved down
13 into that treatment blanket. So we are extremely happy
14 to see this.
15 We start out here at 39 micrograms per liter.
16 Drop down to 30. Climbs back up to about 42. Not too
17 serious. Looking pretty good as far as vertical plume
18 displacement.
19 Okay. Next slide.
20 Horizontal plume displacement. Here's one of
21 our wells, 8 to 5 to 4. Again some reductions in the
22 oxidation reduction potential. So no horizontal plume
23 displacement here at this well.
24 Next slide.
25 Another horizontal plume displacement well.

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1 Goes from 3 to 17, staying tight at 17. So again, not
2 too bad.
3 Next one.
4 Another well: .3, 4, down to .5 again.
5 So we're doing -- we're in pretty good shape
6 for both the vertical displacement and horizontal
7 displacement. We successfully reduced the hot spot area
8 by about 100 times in just three weeks. We don't have
9 spreading. It's looking pretty sweet.
10 Next slide.
11 So our preliminary conclusions -- We have --
12 We still have a bunch of data to crunch through, so I
13 can't really report on the entire treatability study.
14 There's other things that we're looking at.
15 But the iron injection caused a large reduction
16 in the TCE contamination in the groundwater in a short
17 time.
18 The contaminants showed little movement due to
19 the injections. In other words, the contamination
20 wasn't pushed out away from the injection.
21 The radius of influence, it ranged from about
22 15 to 20 feet. So we are in the ballpark of where we
23 thought we were going to be, maybe, you know, a little
24 bit less in some cases.
25 And then probably the other -- the other cool

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1 part about this is: It's an innovative technology that
2 can be applied at other groundwater plumes at Hunters
3 Point. There's one at Parcel B that we would like to
4 try it on. It's the one over by Building 123. It's
5 kind of a -- The primary contaminant is TCE again. It
6 doesn't work on all the contaminants, but it works real
7 good on TCE.

8 And so we're looking at our groundwater plumes
9 and seeing where this technology can be applicable
10 again.

11 MS. PENDERGRASS: We have time for maybe about
12 four or five questions and then . . .

13 Start here, Mr. Brooks.

14 MS. OLIVA: Mr. Brooks . . . [unintelligible].

15 MS. PENDERGRASS: Can you speak a little bit
16 louder?

17 THE REPORTER: I can't hear at all.

18 MS. PENDERGRASS: We need to give you the mic.

19 MR. BROOKS: Here's the microphone. Maybe you
20 could . . .

21 MS. OLIVA: Thank you.

22 MR. BROOKS: Maybe you can call me Pat.

23 MS. OLIVA: Okay, Pat. You said that this
24 process has the staying power of two years? You said
25 that the staying power's for two years?

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1 is primarily trichloroethene.

2 MS. OLIVA: It's full of it?

3 MR. BROOKS: No. I say it's "primarily." That
4 means it's not mixed up with a bunch of other
5 contaminations.

6 MS. OLIVA: Could you -- Can you repeat that
7 again?

8 MR. BROOKS: There are some -- Some
9 groundwater plumes you might have -- you might have some
10 TCE. You might have a gasoline spill. There might be a
11 fuel spill. There can be, you know, different things in
12 the groundwater.

13 But this particular groundwater plume is
14 mostly -- the con- -- the main contaminants is mostly
15 trichloroethene.

16 MS. OLIVA: Thank you.

17 MR. BROOKS: Yes.

18 MS. PENDERGRASS: We have another question.
19 Mr. Campbell.

20 MR. CAMPBELL: You were doing SVE. And the
21 thing about S- -- soil vapor extraction is: Unless you
22 found the source, you could have a reoccurring
23 situation.

24 And I'm questioning -- I guess my question is:
25 If you don't hit the -- exactly the source and you got a

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1 MR. BROOKS: Yeah, that's correct. The --

2 MS. OLIVA: Will it return?

3 MR. BROOKS: Will the TCE return?

4 MS. OLIVA: Mm-hmm.

5 MR. BROOKS: No. That -- What I meant by the
6 "staying power" is: The iron has the staying power of
7 about two years. So it's continuing to release these
8 electrons into the groundwater and pluck the chlorine
9 atoms off of the TCE molecules.

10 MS. OLIVA: So the iron dissipates?

11 MR. BROOKS: The iron corrodes. The iron
12 corrodes; and once it gets corroded, then it's not
13 effective anymore. Kind of like your -- the fenders on
14 your car. Once they get corroded, they are no good
15 anymore. Same thing here.

16 MS. OLIVA: All right. And you also mentioned
17 that Building 273?

18 MR. BROOKS: This --

19 MS. OLIVA: 272?

20 MR. BROOKS: This building is 272.

21 MS. OLIVA: Has that been monitored or cleansed
22 of any other contaminants in it before you went in
23 there?

24 MR. BROOKS: This building is primarily --
25 We've done just tons of testing in there. This building

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1 two-year before the ferrous oxide is out, then what
2 happens?

3 MR. BROOKS: Well, then you go back. But
4 remember, the purpose of this treatability study has not
5 been done a lot. And they have used it in other
6 applications, but this particular application is pretty
7 dang new; so we just wanted to see if this would be
8 effective against our contamination.

9 This isn't meant to treat the entire plume all
10 at once. It's meant only to test the technology. If we
11 see that it works, we throw some more contracts at it --

12 MR. CAMPBELL: Sure.

13 MR. BROOKS: -- and we go back with more
14 injection borings, and we do the things that you're
15 talking about.

16 MR. CAMPBELL: Okay, but SVE, SVE was to test
17 the technology also.

18 MR. BROOKS: True.

19 MR. CAMPBELL: Okay. So you're saying this is
20 two testing technologies?

21 MR. BROOKS: This is -- this is -- well, this
22 technology was for the iron injection.

23 MR. CAMPBELL: Right.

24 MR. BROOKS: The soil vapor extraction works in
25 the soil above the groundwater vapors.

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1 MR. CAMPBELL: Okay.
2 MR. BROOKS: So it is important to recognize
3 where your source is for soil vapor extraction.
4 MR. CAMPBELL: Right.
5 MR. BROOKS: There are some limitations to
6 using it. When you have a shallow groundwater table,
7 you put a vacuum on something, pull up the water table,
8 and then your soil's not able to be -- have air pass
9 through it.
10 MR. CAMPBELL: Okay. So the -- the last part
11 of the question is: Has this been done successfully as
12 a conclusive remediation anywhere?
13 MR. BROOKS: The iron injection?
14 MR. CAMPBELL: Yes.
15 MR. BROOKS: Oh, yeah.
16 MR. CAMPBELL: Okay.
17 MR. BROOKS: Now, that -- a handful of sites.
18 If you go on the Internet and you type in zero valent
19 irons, something like that, things will start popping
20 up. It's probably not going to be more than four or
21 five, but there is some stuff out there.
22 MR. TOMPKINS: I have one question. In terms
23 of the data that you presented; and given that TCE is
24 also a VOC, I haven't seen any measurements for air
25 monitoring above ground in terms of that.

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1 three, four hundred psi. That was the injection
2 pressure.
3 MR. TOMPKINS: Okay. Was there any increase
4 terms of atmospheric contamination?
5 MR. BROOKS: None that was --
6 None that we picked up.
7 MS. PENDERGRASS: Mr. Tompkins, I think you
8 have a couple more questions.
9 So Miss Harrison and then over here.
10 MS. HARRISON: Actually, Mr. Tompkins asked one
11 of my questions. But my other -- and I have two.
12 One, I wanted to know the cost of this process,
13 of this testing.
14 MR. BROOKS: I couldn't find the microphone.
15 MS. HARRISON: I -- Not a problem. I wanted
16 to know the cost of the process.
17 And then something you need to explain to me:
18 You said that in one of those slides, you show where it
19 dissipated, and then it came back; it went back up. Is
20 it coming back with --?
21 Once your -- Once the groundwater is removed,
22 it -- it's soaked up in this iron stuff. Is that being
23 replaced with new groundwater?
24 Once new groundwater moves in there, it's then
25 causing this to spike back up, or is it because this is

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1 Since you're increasing ground pressure by
2 100,000, 200,000 psi, is there any air monitoring up
3 above for this to escape to the atmosphere?
4 MR. BROOKS: Yeah, we do do -- we do do air
5 monitoring. "We do do." We --
6 MR. TOMPKINS: Do do, do do, do do. No. I
7 just didn't see --
8 MR. BROOKS: Yeah.
9 MR. TOMPKINS: -- in the presentations. So --
10 MR. BROOKS: No.
11 MR. TOMPKINS: -- there -- I didn't know what
12 was inferred.
13 MR. BROOKS: There's just a ton of data here
14 that didn't get presented. But we do air monitoring.
15 You know, we have standard health and safety protocols
16 that we follow for our workers. Anybody who has worked
17 with me on the Shipyard knows that that's my first
18 priority is health and safety, and I have -- I've left
19 boot tracks on more than one person because they
20 didn't --
21 MR. TOMPKINS: Was there an increase?
22 MR. BROOKS: No.
23 MR. TOMPKINS: Well, just as it was in
24 operation.
25 MR. BROOKS: And it came in at about three --

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1 starting to corrode already and releases again?
2 MR. BROOKS: Let me see if I get the question.
3 Was the question is what's causing the spike-up?
4 MS. HARRISON: Yes.
5 MR. BROOKS: The spike-up, we believe, is
6 caused because when you inject all the nitrogen in the
7 water slurry in there, it's just mixing stuff up. It
8 mixes stuff up, and it'll cause a temporary rise; and
9 this is something our injection contractor said he's
10 seen at several of his other experimental sites.
11 So we're expecting it to dip up -- not "dip
12 up" -- rise up a little bit and then go back down. So
13 we're going to continue the monitoring.
14 Unfortunately, that's all the data that I have.
15 I -- All the data I have I'm sharing with you tonight.
16 MS. HARRISON: Let me have the cost for this.
17 MR. BROOKS: The cost is -- One of the -- one
18 of the things that we are going to produce at the end of
19 this test is co- -- cost-and-performance evaluation, and
20 so it will come out then. Ballpark figures: a few
21 hundred thousand, half a million, something like that --
22 MS. PENDERGRASS: Okay.
23 MR. BROOKS: -- for everything.
24 MS. HARRISON: Few hundred or half a million
25 What have you spent so far?

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1 MR. BROOKS: Well, that's why I'm telling
2 you -- that's why I'm telling you that our final
3 deliverable is a cost-and-performance evaluation.
4 And it's difficult to kind of separate, okay,
5 if we have to drill additional monitoring wells, is that
6 part of the treatment technology? If we have to do
7 extra sampling that we might not have to do because we
8 have proved it doesn't -- it doesn't have an impact, and
9 so you go back in the next time, and you don't have to
10 sample that.
11 I mean, it's more complicated than just telling
12 you, you know, how much does it cost.
13 What do we include in the cost? That's --
14 that's -- We're in the middle of a study, and the final
15 deliverable is called the cost-and-performance analysis
16 technology.
17 MS. HARRISON: Maybe the question should have
18 been: Is there a dollar amount you're not allowed to
19 go?
20 MR. BROOKS: No.
21 MS. HARRISON: So you can go from now to --
22 MR. TOMPKINS: -- eternity.
23 MR. BROOKS: Well, you know, eventually
24 somebody's going to laugh me out of my office, and I'm
25 going to be sweeping sidewalks.

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1 MS. PENDERGRASS: But basically, the bottom
2 line is that you'll spend what it takes to get it clean?
3 MR. BROOKS: Well, what we look towards -- I
4 mean, in this iron injection, this is really a pretty
5 economical way to treat a plume, especially at this size
6 and these concentrations. This is an economical way to
7 go. Trichloroethene is not an easy contaminant to
8 remove from groundwater, but this looks like it's being
9 very effective.
10 MS. PENDERGRASS: Next question over here,
11 please.
12 MR. MANUEL: Yes. I'm sorry for being a little
13 bit late. I came from meeting and bad traffic,
14 but . . .
15 If I understand you, the iron is acting as kind
16 of a consumable similar to what you would get when you
17 mix, like, isopropyl alcohol with -- with the gasoline,
18 extracting the water that may be in the gasoline.
19 So it's kind of a consumable that have a
20 certain amount of life, and then from there you would
21 extract it and -- and reinsert fresh iron to consume the
22 contamination that's in -- in the -- in the ground? Is
23 that -- is that what I'm hearing?
24 MR. BROOKS: Yeah, that's correct. The iron
25 has a certain life down the aquifer, because the job of

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1 the iron is to corrode.
2 MR. MANUEL: Right.
3 MR. BROOKS: It contacts with water. Its job
4 is to corrode and release the electrons so the chlorines
5 on the trichloroethene molecule --
6 MR. MANUEL: Right.
7 MR. BROOKS: -- can -- can grab onto an
8 electron and -- and become released.
9 MR. MANUEL: Yeah, they -- It corrodes also
10 with -- with the atmosphere. So it would work both
11 ways.
12 But I guess my question is: Is that --? Have
13 you assessed how much -- approximately how much
14 contamination there is and what period of time --
15 assuming this works, what period of time it would take
16 for a completion of this particular site with this
17 process?
18 MR. BROOKS: Not yet, because, you know, I'm --
19 I'm just so happy with the technology that I want to
20 make having -- give you the results midway into the
21 study.
22 MR. MANUEL: Okay. Well, I guess we should be
23 fair to you and get your thing done.
24 MR. BROOKS: We are not at the end of the study
25 yet.

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1 MS. PENDERGRASS: One last question, please.
2 MR. MASON: And my question is: What's your
3 definition of "not too bad"? I heard you mention that
4 in one of the slides.
5 MR. BROOKS: When --? Where did I say it?
6 MR. MASON: "Not too bad."
7 MR. BROOKS: I mean, what -- in what context?
8 MR. MASON: In one of the slides, you were
9 saying you -- you were saying --
10 MR. BROOKS: Oh, oh, horizontal displacement.
11 MR. MASON: Yeah.
12 MR. BROOKS: Yeah. Stuff like that.
13 MR. FORMAN: It went from 39 to 42.
14 MR. BROOKS: You know, let's say 20 feet away
15 I've got 20,000 micrograms per liter in the groundwater,
16 and I'm -- I take my measurement over here at 20 feet
17 away. I'm looking at -- I think originally it was .3,
18 one of them.
19 And so I got the potential at this .3 well to
20 see several thousand micrograms per liter if -- you
21 know, if I screw up. But when it only comes up to 5,
22 I'm thinking, that ain't too bad.
23 MS. PENDERGRASS: Okay. All right. We're
24 going to take a break at this point, please. Our
25 question-and-answer period is over, and then we'll have

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1 the following presentation by Mr. Lino. So we'll take
2 ten minutes, please, and come back at 7:05.
3 (Recess 6:55 p.m. to 7:07 p.m.)
4 MS. PENDERGRASS: Can we bring the meeting back
5 to order?
6 MS. PETERSON: No.
7 MS. PENDERGRASS: At this point in the agenda,
8 we have a presentation. We have a change. Our
9 presenter won't be Laurie Lowman. It will be --
10 Commander?
11 MS. ATTENDEE: Yeah.
12 MS. PENDERGRASS: -- Commander Lino Fragoso.
13 Yes, ma'am. All right.
14 Commander, welcome. All right. You have until
15 about 7:15.
16 CDR. FRAGOSO: All right. Good evening.
17 Microphone.
18 MS. PENDERGRASS: Do you need a microphone,
19 sir?
20 CDR. FRAGOSO: No. I think . . .
21 MS. PENDERGRASS: Okay. I --
22 CDR. FRAGOSO: Can you all hear me?
23 MS. PENDERGRASS: No.
24 MR. ATTENDEE: No.
25 MS. RINES: No.

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1 actually studied here. I went to U.C.-Berkeley, and it
2 almost feels like coming back home.
3 We're going to do -- We are going to go
4 through three radiological issues tonight, actually.
5 are going to see how we are with the preparation of the
6 draft final HRA. That's the Historical Radiological
7 Assessment. We're going to go -- we're going to go
8 through a couple of issues, the radiological site work
9 that we have tonight, and maybe some of the new areas of
10 investigation.
11 Of course, you know, what -- why a draft final
12 HRA? We have a commitment to the community to produce
13 an accurate and comprehensive Historical Radiological
14 Assessment. The reason why we need a Historical
15 Radiological Assessment is because it gives us a
16 snapshot in time of what the situation here is and NRDL
17 at certain point.
18 The reason why we have to do it is because
19 there's a large amount of radioisotopes in the world.
20 We need to pinpoint those isotopes that are of interest
21 to us so we can actually select the type of detection
22 instrumentation that we need in order to do the
23 remediation that is necessary.
24 What are our efforts? Well, right now we are
25 addressing the comments that were received from the

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1 CDR. FRAGOSO: Thank you.
2 MS. PENDERGRASS: There you go.
3 CDR. FRAGOSO: I have an accent if you haven't
4 noticed.
5 First of all, Laurie and Dick weren't able to
6 be here tonight. Laurie fell sick last Sunday, so I
7 will be -- I'll try to give her presentation.
8 So what I'm going to do tonight is actually
9 give you an update from last month on where we are in
10 the HRA and some of the other surveys that we are
11 performing right now.
12 First of all, I'm Commander Lino Fragoso, and
13 I'm a radiation health officer in the Medical Service
14 Corps. I'm the officer in charge of the Radiological
15 Affairs Support Office. I'm actually Dick and Laurie's
16 boss.
17 It's kind of interesting because I just came
18 from the Shipyard where I was a deputy director of
19 radiation health, and prior to that I was at RASO also
20 where Dick Lowman was my boss. I was environmental
21 protection manager at that point, and I actually came to
22 one of the first RAB meetings actually at Treasure
23 Island from Hunters Point. That was close to ten years
24 ago. So things go around.
25 It's always nice to be in the Bay Area. I

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1 draft HRA. We're going to be incorporating some of the
2 newly discovered historical information. There's a
3 large amount of information that has just been
4 declassified by the Department of Energy and the
5 Department of Defense, and we are actually going to be
6 interviewing some former workers.
7 We are going to be addressing some of the
8 comments received from, of course, the regulatory
9 agencies, from DHS, DTSC, City of San Francisco, the
10 developer, and some of the concerned citizens. This
11 will be coming to you by March 7. So it will be
12 arriving in your lap pretty soon.
13 We have discovered that we have additional
14 information for several different locations. As a
15 matter of fact, we have people now traveling to
16 different places. We have Peter Sum [phonetic] of the
17 New World Technology people who are actually looking at
18 some of the regulatory [sic] in San Bruno.
19 We have contractors now working over in Port
20 Molate Naval Shipyard, at the Navy yard in Washington.
21 We have also people over at College Park in Maryland.
22 I signed the orders for one of my guys to go
23 over to Sandia National Laboratory, and then from there
24 he's going to go to Los Alamos National Laboratory; and
25 after this here -- here going to San Bruno, they're

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1 going to be traveling to Las Vegas to look at some of
2 those newly declassified information.

3 We also have received the personal files of a
4 former NRDL department head, Dr. Sharpcook [phonetic],
5 who was writing a book about NRDL. We are very thankful
6 to his family for having allow us to have his research.

7 Now, the advertisement for interviews:
8 Actually, it went out to several newspapers in the Bay
9 Area and Sacramento. And we wanted to find personnel
10 who had knowledge about the situation here in Hunters
11 Point, not only in NRDL, but also at Hunters Point Naval
12 Shipyards. Of course, you know, we have some CROSSROADS
13 vessels that came from the atomic testing at Bikini that
14 came -- that were actually decontaminated right here.

15 So we are looking for all of those personnel,
16 and the response has been overwhelming. We have had
17 138 responses to the advertisement to this date. The
18 responses have come from all over the country. We have
19 responses from people in Hawaii, and we have responses
20 from people actually in Richmond, Virginia.

21 The most interesting part is that the person
22 who responded from Richmond, Virginia, she's 94 years
23 old and was an ensign in the Navy in 1946, and she was
24 actually situated here at Hunters Point.

25 We started -- Laurie started to do the

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1 weeks, we have found a couple -- we are going to start
2 doing surveys in a couple places, and the next one is --
3 we will be doing a survey in Building 253.

4 For those of you just to remind you where it
5 is, this is Parcel C, 253. This is Dry Dock 2, 253.
6 Some of you may recognize the building. It is actually
7 called a periscope building. And this -- on the sixth
8 and fifth floor, NRDL had some -- did some work.

9 On the sixth floor, NRDL had a calibration
10 facility. Okay. All radiological instruments that NRDL
11 needed to use had to be calibrated to detect radiation.
12 So in order to calibrate them, they had sealed sources
13 inside machines.

14 And what they did is: They had the instruments
15 placed in front of the machine. They will expose the
16 source. These are sealed sources. This is not actually
17 a Pollard [phonetic] contamination. They are sealed
18 sources. They will come up. They will actually check
19 their electrical response with the instrument.

20 On the fifth floor, then we had a small
21 instrument repair shop.

22 Well, do you remember at that time during the
23 19- -- actually starting during the 1920s all the way
24 to -- to the 1960s, we used radioluminescent paint in
25 most of our instruments. Radio -- The radioluminescent

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1 telephone interviews in February 19th. And even though
2 we are starting to do all of the interviews, we still
3 haven't stopped -- we still would like to have as many
4 people call us as possible.

5 So we still have the 1-800 number available.
6 And if -- if you -- if you find any other people that
7 you would like to bring to us -- to our attention or
8 just disseminate the work, Daryl DeLong over here from
9 New World Technology -- you can also e-mail it to him or
10 e-mail it to Laurie or to Dick or even myself, Lino
11 Fragoso.

12 Now, going to some of the current field
13 surveys, what we are trying to say here is that contrary
14 to what we have done what you are accustomed to seeing
15 with the chemical world, PCBs and TCES, what we are
16 doing here is a very dynamic process.

17 Not only we are doing the assessment, but at
18 the same time, we are actually doing surveys. And at
19 the same time that we are doing surveys, if we find
20 contamination, we are doing remediation.

21 We are -- This is -- this is an overlapping
22 process, something that is a little bit different than
23 what you are accustomed to seeing. So that's what I
24 want to convey in this -- in this slide.

25 We are going to -- We have -- In the last few

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1 paint actually had radium 226, which is an alpha
2 emitter, and that actually at that alpha particle will
3 hit a phosphor and create luminescence.

4 Well, what happens is that that phosphor after
5 a while actually degrades and no longer glows up nice.

6 So what we had to do for most of the
7 instruments that were used in the Navy -- actually for
8 most -- almost everything in the United States, because
9 you have to use those same instruments in the commercial
10 flights -- is that you have to take those instruments
11 out; you have to scrape that material out, and you have
12 to repaint it in order to use it again.

13 So we had a small instrument repair shop on the
14 fifth floor.

15 Now, most of our initial surveys are complete.
16 And what we have discovered is that we have
17 contamination in that area. We have cesium 137, which
18 is a fission product; and we have radium 226, which is
19 the radionuclide of concern for radioluminescent paint.

20 So we have found those on -- in those two areas
21 and also on the -- on the roof of the -- of the
22 building. We have cleanup point underway as we speak,
23 and we are actually surveying the rest of the building.

24 The second one is Building 366 located right
25 here [indicating]. This is Dry Dock 4. This is

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1 Parcel D.
 2 And next slide. This is just to remind you how
 3 it looks like. Actually, if you were able to focus on
 4 this area and read it, which I can't even read it from
 5 here, you will see that this is the small boat shop. It
 6 was a former boat and plastics shop. It's now currently
 7 being used by artists here in the Shipyard.
 8 Then we have an initial survey done in this
 9 area. This was considered what -- what is called a
 10 Class 3, a low-risk, area at that time when we did the
 11 surveys. So the surveys were done as a Class 3, which
 12 required only 20 percent of the area to be surveyed.
 13 Now, what we -- what happened is that some --
 14 we found some historical records. Now, those historical
 15 records have indicated to us that some -- there was some
 16 storage of radioluminescent paint in that area. And we
 17 find that out, now that bumps it up.
 18 So now what we have to do is: We have to go
 19 back and do more surveys, and we are in the process of
 20 doing that. We will be in the process of doing that in
 21 the near future.
 22 Now, what's next? Well, of course, we are
 23 going to continue to do our HRA research and the
 24 interviews, and we are going to continue the on-site
 25 radiological surveys and cleanup as we do the HRA

1 well. He's a caring and passionate man about
 2 the welfare of the community, and I will say
 3 that if every community had more people like
 4 him, it would be a far better world to live in.
 5 Dick Lowman.
 6 (Applause.)
 7 I received word this morning that actually
 8 Laurie will be having surgery next Thursday.
 9 MS. PENDERGRASS: Thank you.
 10 We have two questions here and two here. If
 11 you keep your questions to one or two, that would be
 12 great. Thank you.
 13 MS. OLIVA: Thank you.
 14 I'm concerned about you mentioned you're doing
 15 the surveys and remediation at the same time. And what
 16 kind of remediation is that?
 17 Will there be any lab results on that?
 18 Where is the -- the stuff going? When is --?
 19 Where is it going?
 20 How is it going?
 21 CDR. FRAGOSO: Okay.
 22 MS. OLIVA: Or is it remaining there?
 23 CDR. FRAGOSO: That's not a question. That's
 24 about five or six questions.
 25 MS. OLIVA: I do that all the time.

1 research.
 2 And ultimately we want to keep you all
 3 informed, and we will be coming here and -- every --
 4 every month to update you on what's going on in the
 5 radiological surveys. Hopefully, by next month, Laurie
 6 and Dick will be able to attend.
 7 There's one thing I want to -- I've been asked
 8 to read from Dick, if I . . . These have a tint, so
 9 it's very difficult to see in low lighting.
 10 Ladies and Gentlemen of the
 11 Bayview-Hunters Point RAB:
 12 I am sorry that I cannot be there
 13 personally to relay this message to you. My
 14 wife, Laurie, and I were scheduled to be there.
 15 However, she had an illness come up this past
 16 Sunday that may require immediate surgery to
 17 correct.
 18 I was very moved by your actions and
 19 want to thank each and every one of you for the
 20 card and words of encouragement for me and my
 21 health.
 22 As a last thought, for now I would
 23 like to say that you have had some excellent
 24 community co-chairs of the RAB in the past.
 25 But I think Mr. Lynne Brown serves you very

1 CDR. FRAGOSO: Okay. First of all, remediation
 2 normally is something -- that is like radioactive
 3 contamination on a building. It stays on the surface.
 4 This radioactive contamination, normally we
 5 have been able to remove it by scaffolding the concrete.
 6 MS. OLIVA: Scouring?
 7 CDR. FRAGOSO: Scaffolding, scaffolding. That
 8 means removing the concrete.
 9 MS. OLIVA: So there's dust?
 10 CDR. FRAGOSO: It -- Dust is formed. Normally
 11 we do this inside a tent.
 12 MS. OLIVA: In- -- "Normally." Are you doing
 13 that in a tent here?
 14 CDR. FRAGOSO: Well, we don't know yet.
 15 MS. OLIVA: Oh, you haven't done it.
 16 CDR. FRAGOSO: We haven't done it.
 17 MS. OLIVA: Okay.
 18 CDR. FRAGOSO: Okay? Normally it's done inside
 19 a tent to remove -- contain the dust.
 20 Where it goes: Well, there are two places that
 21 the United States can receive low-level radioactive
 22 waste. One is in Washington State, and the other one is
 23 in South Carolina.
 24 Being part of this area and being part of the
 25 federal government, as we still have Hunters Point, more

1 likely this -- actually -- I'm sorry. There's a third
2 one, which is in Utah.
3 The one in Utah will be the most likely to
4 receive the material from here. Utah receives
5 construction materials that are contaminated with low
6 levels of radioactive waste. So it's sent there.
7 If it was like a diode from an airplane or from
8 a vessel, it will then go to South Carolina because they
9 are the ones that receive that. But in the case of
10 construction material, that always -- always goes to
11 Utah.
12 Let me see if I get the rest of your question.
13 How do we know if we have done -- if we have remediated
14 completely? Is that --?
15 MS. OLIVA: Have you taken methods to analyze
16 the residue that you've removed, and will you be able --
17 CDR. FRAGOSO: Yes.
18 MS. OLIVA: -- to guarantee those results?
19 CDR. FRAGOSO: Yes, yes, yes. As a matter of
20 fact, after you do the remediation, then we are required
21 to do what's called a confirmation survey. So a full
22 survey is done afterwards, and we -- with samples to
23 make sure that all of the material has been removed.
24 MS. OLIVA: And will the public or the people
25 be informed as to when and what time --

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1 CDR. FRAGOSO: Oh, definitely.
2 MS. OLIVA: -- this will be removed and by what
3 methods you truck it out?
4 CDR. FRAGOSO: Yeah, definitely. I mean, the
5 method that is not only trucked out, it's actually --
6 all of the material is -- packed in 55-gallon drums or
7 actually a roll-off -- it depends on the amount of
8 material that we have. If we have very little material
9 that we're sending, we normally put it in 55-gallon
10 drum, which is a DOT requirement, and send it.
11 If it's actually a large amount of material,
12 then we have to use roll-off --
13 MS. OLIVA: The white bins.
14 CDR. FRAGOSO: Yes.
15 MS. OLIVA: White bins. All right.
16 MS. PENDERGRASS: Miss Asher?
17 MR. TOMPKINS: Push the button.
18 MS. ASHER: Hi. My name is Lani Asher. I'm an
19 artist at the -- at the Shipyard. I notice you mention
20 the building -- Building 366 that's used by artists.
21 Are those artists that rent directly from the Navy, or
22 are they artists that rent from the City of San
23 Francisco?
24 And in what method do you inform them that they
25 are in a contaminated building?

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1 And what is the process around that whole
2 thing? Are they still in the building?
3 CDR. FRAGOSO: Keith, will you answer that
4 question for me, please?
5 MR. FORMAN: Yeah, not that I know too much
6 of . . .
7 Is Mr. Terzian here?
8 MR. TERZIAN: Right here.
9 MR. FORMAN: Okay. The -- You are the San
10 Francisco Redevelopment Agency point of contact?
11 MR. TERZIAN: Right.
12 MR. FORMAN: Okay. The initial -- First of
13 all, there's no contamination necessarily at
14 Building 366. We just need to go back to do another
15 survey. There's already been two surveys in the past
16 done, but this is just another survey to do, and this
17 one is a hundred percent it's pretty comprehensive, the
18 building.
19 The process that starts when that's identified
20 is: A letter is sent out to the point of contact, who
21 is, I believe, you.
22 MR. TERZIAN: We received it yesterday.
23 MR. FORMAN: Great. Okay. From there you then
24 work with the building manager or . . .
25 MR. TERZIAN: We work with --

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1 MR. FORMAN: -- the building manager, the
2 person who's in charge of Building 366.
3 MR. TERZIAN: I guess that would be us.
4 MR. FORMAN: Is it? I mean, I -- okay. All
5 right. And then --
6 MR. TERZIAN: We received a letter from
7 Redevelopment yesterday --
8 MR. FORMAN: Okay.
9 MR. TERZIAN: -- alerting us that there was a
10 potential problem of radioluminescent paint.
11 MR. FORMAN: Right, radioluminescent paint.
12 MR. TERZIAN: That's all we have been told.
13 Apparently, there was a survey done in August of 2001.
14 MR. FORMAN: Yes.
15 MR. TERZIAN: We weren't aware of that. It was
16 a 30 percent survey.
17 MR. FORMAN: Yes.
18 MR. TERZIAN: We were not -- we were not told
19 that there was a survey done in the building, and this
20 is actually the first hint I've heard about that.
21 MR. FORMAN: Okay. Mr. DeLong?
22 MR. DeLONG: Yes. I talked with Dave on the
23 phone.
24 MR. FORMAN: Okay. No. But I mean, what about
25 the first survey? How is --?

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1 MR. DeLONG: First survey -- The first survey,
2 when we went into the building, the building was
3 unlocked. We never went into any of the artists' rooms.
4 We surveyed accessible areas.
5 MR. FORMAN: Back in 2001.
6 MS. OLIVA: What methods do you use to survey?
7 MR. DeLONG: It depends on what we're looking
8 for.
9 MS. OLIVA: Well --
10 MR. DeLONG: If we're looking for -- If you
11 have --
12 MS. OLIVA: -- uranium?
13 MR. DeLONG: You have gamma scans; you have
14 alpha -- you're looking for all your radiological
15 substances.
16 MS. PENDERGRASS: But you're also looking for
17 those isotopes in the areas that were not occupied by
18 people?
19 MR. DeLONG: Correct.
20 MS. PENDERGRASS: Okay.
21 CDR. FRAGOSO: We -- Depleted uranium, we do
22 not work with depleted uranium. This is actually an
23 area where we have found some radioluminescent material
24 being stored. Now, just because -- let me explain a
25 little bit about radioluminescent material, radium 226,
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1 okay?
2 Radium 226 was very expensive to process. To
3 produce 1 gram of radium 226, you have to start -- you
4 have to start with 550 tons of ore. In 1926 dollars, it
5 cost a million dollars for 1 gram of radium 226.
6 That was -- The reason why I know is because
7 Madame Currie came over to the United States during that
8 time, and the Daughters of the American Revolution gave
9 her a gram of radium 226 to take back home to France,
10 and it cost them \$1 million. That's the only reason why
11 I know. So it was kept under lock and key.
12 One of the things that it was a storage area,
13 because it's a storage area, we have to go back and look
14 at it. But it was kept under lock and key.
15 The way that they actually used it, it was
16 taken out from the small vial. A little aliquot, a
17 little amount of material, was taken out and was mixed
18 with the paint and with some glue; and that's what was
19 applied to the instruments.
20 Once that was done, that little vial went back
21 under lock and key and was only controlled by certain
22 people. But it's not like it was all over the place.
23 MS. OLIVA: I realize that.
24 MS. ASHER: I just -- I just want you to finish
25 answering my question about the procedure that
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1 Mr. Terzian, the building manager, has been notified;
2 and does he have the proper information in order to make
3 the decision around this, or how does this work?
4 MR. FORMAN: That is a good question. The
5 letter has a point of contact. What happens here --
6 it's good question, Lani -- it comes from the Navy to
7 SFRA, the Redevelopment Agency. The Redevelopment
8 Agency passes it on to the building manager, which is
9 you, sir. I didn't quite know that. Okay.
10 And then it's his job -- of course, he will
11 inform the artists based on what he knows in the letter
12 and then what else he needs to determine what to do.
13 In this case, you had your assistant --
14 MR. TERZIAN: Deborah.
15 MR. FORMAN: -- Deborah call me yesterday, and
16 I spoke with her --
17 MR. TERZIAN: Okay.
18 MR. FORMAN: -- and went over essentially the
19 contents of the letter and the surveys.
20 And then New World Technologies will then be in
21 touch with you with the schedule of what will be done,
22 when it will be done, what needs to be done.
23 MR. TERZIAN: We're working on that. But what
24 we're concerned about is --
25 MR. FORMAN: Sure.
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1 MR. TERZIAN: -- are the tenants -- are they
2 all at risk right now?
3 MR. FORMAN: No.
4 MR. TERZIAN: You said something about it being
5 stored in Building 366 and a small amount is taken out
6 and mixed with paint?
7 MR. FORMAN: Yes.
8 MR. TERZIAN: So the mixing process -- was the
9 mixing process --?
10 MR. FORMAN: No. The -- the paint that -- that
11 Commander Fragoso was referring to, that when it's taken
12 out of the paint can and it's mixed with glue and it's
13 painted on the radium dial, that doesn't occur where
14 it's stored.
15 The records indicate that this is a potential
16 place where it might have been stored. We don't even
17 know that it was. But we're being -- you know, you're
18 required to be very sure of these things. You have to
19 go and survey just to make sure.
20 CDR. FRAGOSO: To let you know, the Navy
21 requi- -- the Navy required in the 1930s that all of the
22 paint that was going to be used for painting the dials
23 had to be in the lab and had to be under a hood just
24 because by that time, we already knew that radium
25 actually caused cancer.
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1 And the way we knew about it is because of the
2 radium dial painters in New Jersey where they actually
3 put the paint in their mouth and rolled up that paint
4 brush, and they actually ingested a lot of radium.
5 Radium -- radium is very similar to calcium. It
6 deposits in the -- in the -- in the bones.
7 MS. PENDERGRASS: Excuse me. We have two more
8 questions here, and then we're out of time. We'll have
9 to talk about just time checks at that point. Excuse
10 me. Excuse me. Let -- let the next person --
11 MS. ASHER: But I just -- I need to have my
12 question finished.
13 I'd like to end this with I'd like the
14 procedure perhaps to be presented to the RAB maybe next
15 time about if -- if there are some issues dealing with
16 tenants out at the Shipyard, what the procedure's going
17 to be, and how decisions are made about that.
18 MR. FORMAN: Okay. Well, how about why don't
19 we talk about this after the meeting?
20 MS. ASHER: Okay.
21 MR. FORMAN: Would you like that? Because I
22 think it's a timely thing to do.
23 MS. ASHER: Okay.
24 MR. FORMAN: It's a good thing to do. Okay?
25 And then if we could have the proper people stay here --

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1 MS. PENDERGRASS: Mr. Campbell, can you keep
2 your question to one?
3 MR. CAMPBELL: It's very short.
4 CDR. FRAGOSO: I'm sorry if I've taken too
5 long.
6 MR. CAMPBELL: Commander Fragoso?
7 CDR. FRAGOSO: Yes.
8 MR. CAMPBELL: I wanted to ask you -- welcome
9 back to San Francisco, first of all.
10 CDR. FRAGOSO: Thank you.
11 MR. CAMPBELL: -- Building 253 --
12 MS. PENDERGRASS: Mr. Campbell, you can speak
13 louder than that.
14 MR. CAMPBELL: Yeah.
15 Building 253, you talked about the roof of the
16 building. Was that because of the exhaust vent of some
17 kind?
18 CDR. FRAGOSO: Yes, sir.
19 MR. CAMPBELL: And so some of this stuff that
20 is leaving from the fifth floor was being exhaust --
21 exhausted up to the roof and out?
22 CDR. FRAGOSO: I can't say that it was only
23 from the fifth floor.
24 MR. CAMPBELL: Okay. So it might have been --
25 CDR. FRAGOSO: We don't know yet.

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1 MS. PENDERGRASS: Okay.
2 MR. FORMAN: -- including Daryl and Martin.
3 Okay.
4 MS. SUMCHAI: I'd also like to suggest that it
5 be considered an item for the March 26th meeting of the
6 Radiological Subcommittee.
7 MR. FORMAN: Good.
8 MS. SUMCHAI: There are some health and safety
9 issues here that are time constrained.
10 MR. FORMAN: Okay. Very good.
11 MS. PENDERGRASS: So Miss Asher, you --
12 MR. FORMAN: Thanks.
13 MR. BROWN: I'd like to ask the -- has
14 Dr. Cook's diary been any -- has it been any good? Have
15 you found any radiological spots, hot spots, anything?
16 CDR. FRAGOSO: I can't say that. I can't
17 answer your question right now. Sorry.
18 MR. BROWN: Okay.
19 CDR. FRAGOSO: I haven't reviewed the mat --
20 The material right now is being catalogued mostly, okay?
21 It will be reviewed within the next few weeks. So
22 hopefully, by the next RAB with the radiological issues,
23 Laurie can give you an update on how good the material
24 has been.
25 MR. BROWN: Okay.

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1 MR. CAMPBELL: -- more --
2 CDR. FRAGOSO: We are going --
3 MR. CAMPBELL: -- from the ventilation shaft?
4 CDR. FRAGOSO: Yes, sir. We look -- We have
5 to look in -- on the fourth floor. We have to look on
6 some of the other floors to find from where exactly it's
7 coming from.
8 MR. CAMPBELL: Okay.
9 CDR. FRAGOSO: From where exactly it came from.
10 MR. CAMPBELL: Sure. And there's a possibility
11 it may have spread from the roof too?
12 CDR. FRAGOSO: Sir, I can assure you that it
13 probably did.
14 MR. CAMPBELL: Okay. Thank you.
15 MR. TOMPKINS: I have a question.
16 MS. PENDERGRASS: Mr. Tompkins --
17 MR. TOMPKINS: Thank you.
18 MS. PENDERGRASS: -- we're out of time.
19 MR. TOMPKINS: Could we have extensions, then?
20 MS. PENDERGRASS: I would -- If you have a
21 question, if you could keep it short for once, thank
22 you.
23 MR. TOMPKINS: Commander, on the survey of the
24 residents the in interviews that you've taken place,
25 will you include, for example, so that we get a

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1 comprehensive picture in terms of the different jobs,
2 locations, so that when we get the information and start
3 piecing together, if we only have -- for example,
4 interview people in Parcel A or in Parcel B, we wouldn't
5 have an idea of what's taken place in Parcel E, so we
6 can get a comprehensive overview in terms of where
7 people worked at so that as we look and analyze the data
8 and information that was received, what was the
9 totality.

10 Also, similar to Mr. Campbell's previous --
11 other commander had made a presentation to us and for
12 Risk Assessment Committee, in your assessments as you go
13 through it, could you see as exposures things were in
14 operation, what was the risk factor to the community and
15 exposure levels when they -- we -- while looking at the
16 community? 'Cause the Risk Assessment can work on that.

17 We need to get the information before so as we
18 work through it when these things were in operation,
19 because we are affected, even though it's shut down. As
20 we look at generations of cancer and the rest of it,
21 which we have high rates.

22 CDR. FRAGOSO: That's a very good question,
23 sir. The only thing I --

24 MR. TOMPKINS: If you can help us in terms
25 of --

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1 that's where she's -- most likely every subcommittee
2 meeting now is going to invite us to come.
3 And we'll -- we will deal with the topics at
4 hand as they are discovered; and as we -- we find
5 information, we'll deal with them at subcommittee
6 meeting. That seems to be the most productive way to
7 get into real detailed information.

8 MS. PENDERGRASS: Can I -- can I just add one
9 thing to that, Mr. Forman?

10 MR. FORMAN: Sure.

11 MS. PENDERGRASS: I think because this is a
12 public meeting -- and I'm not saying that the
13 Radiological Committee may not put this together and
14 bring this forward as a -- as a recommendation, but I
15 think Miss Asher's point is well-taken, that the
16 procedures need to be distributed in terms of what
17 exactly the steps are --

18 MR. TOMPKINS: What's the protocol.

19 MS. PENDERGRASS: -- so that they're any help.

20 MR. FORMAN: Sure, sure, and --

21 MS. PENDERGRASS: If that could be --

22 MR. FORMAN: Sure. At each RAB meeting, we'll
23 have -- we'll have a presentation. Either Commander
24 here or Laurie will be out at each RAB meeting to give a
25 presentation and answer questions each month.

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1 CDR. FRAGOSO: Yeah, oh, definitely. That's
2 what you're asking?

3 MR. TOMPKINS: Right. As you're going
4 through --

5 CDR. FRAGOSO: Oh, yeah.

6 MR. TOMPKINS: -- and analyzing it, if you can
7 tell Maurice, yeah, it escaped; and the question is how
8 and what your thought's on it.

9 CDR. FRAGOSO: Oh, yeah, definitely,
10 definitely.

11 MR. TOMPKINS: Okay. Thank you.

12 MR. FORMAN: The key here is couple things. If
13 you're interested in this topic -- and there should be
14 quite a bit of interest in this topic -- couple things
15 to remember:

16 First of all, as he and Mr. Lowman and
17 Mrs. Lowman dig through this and as the picture comes
18 together that you're speaking of, there's going to be
19 fact sheets that we put out. We will continue to update
20 you at the RAB. Remember with the landfill gas where we
21 continued every month to update for a while? We'll
22 continue with this as we progress. You can expect to
23 see that at each RAB.

24 But still a key to this is going to be the
25 Radiological Subcommittee meetings with Dr. Sumchai, and

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1 MS. PENDERGRASS: All rightie, then. Thank you
2 so much. That was an excellent presentation.

3 CDR. FRAGOSO: Thank you.

4 (Applause.)

5 MS. PENDERGRASS: All rightie, then. We are
6 just a little bit ahead of schedule, so let's do
7 subcommittee reports.

8 Let's kick-start with Economic Development and,
9 again, a summation of what happened in your -- a summary
10 of what happened. But there should be written minutes
11 of your committees; and then if there's any
12 recommendations that needed action, we would need to
13 bring them forward. Mr. Mason.

14 MR. MASON: I'm glad everybody could make it.
15 Thank you.

16 I'm stepping down from chair, and I'm going to
17 become the assistant chair. Maurice Campbell is the
18 chair of the Economic Committee, and I want to thank all
19 those who have come.

20 But I want to let you know that I'm still going
21 to be the monitor on the Shipyard, and I'm going to make
22 sure that the contractors are doing some of the things
23 that they need to be doing and assessing those. The
24 I'll be bringing all my information to Maurice, because
25 he's the chair now.

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1 So we're getting into some economic times where
2 the community needs to really be involved in the money
3 situation with the Navy and some of the contractors. So
4 we've become a team.
5 So Maurice is chair. I'm assistant chair, and
6 I'm going to still be -- be liaison out there. But
7 Maurice did the facilitating at the last meeting, so I'm
8 just going to pass the mic over to him.
9 MS. PENDERGRASS: Thank you, Mr. Mason. And
10 you served well with that --
11 MR. MASON: Thank you.
12 MS. PENDERGRASS: -- as committee chair.
13 (Applause.)
14 MR. CAMPBELL: Basically, what we concentrated
15 on is getting answers from the Navy as exactly how much
16 money -- work money has been contracted to the local
17 94124 communities since the shutdown of Hunters Point
18 Naval Shipyard.
19 There are some questions, minutes, that are up
20 there. There's enough for everybody to have one.
21 And we have James Fields here, and -- and he is
22 from --
23 Well, James, you can introduce yourself
24 briefly.
25 He will be working with our contractors

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1 locally. James is with the HRC from San Francisco, the
2 Human Rights Commission.
3 And one of the things that we are -- we are
4 going to concentrate on, there's been so much money that
5 has been spent in remediation at the Shipyard, and the
6 local community really didn't have a hand in that.
7 So what we're hoping to have happen is
8 basically have the D- -- the people that know DBE best
9 with the City also work with our subcommittee, also work
10 with -- I'm sorry -- our community and also work for the
11 Navy in making sure on the money that's coming in that
12 we have a fair share.
13 That's our community report. Thank you.
14 MS. PENDERGRASS: Excellent. Thank you,
15 Mr. Campbell. Let's see. Now, your next meeting is
16 March 12th at 3 o'clock?
17 Mr. Campbell? Your next meeting is March 12th
18 at 3 o'clock?
19 MR. CAMPBELL: At -- at 3 o'clock and --
20 MS. PENDERGRASS: And where is that at again?
21 MR. CAMPBELL: It's BDI, 1790 Yosemite. We're
22 on the second floor.
23 MR. MASON: I want to say this now. We -- we
24 scheduled the same type of meeting last month,
25 February 12th. And we also had the -- the Technical

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1 Committee at the same -- on the same date, Keith. So
2 you -- you passed by the Economic meeting and went to
3 the Tech. We are at 3 o'clock. The -- the Tech is
4 usually at 6:00.
5 So if you're in the city, you could probably
6 make both of them; and I think you ought to make --
7 probably make both of them.
8 MR. CAMPBELL: Excuse me. That has been
9 answered already.
10 MS. PENDERGRASS: We have taken care of that.
11 MR. CAMPBELL: Keith and Dave said they would
12 be attending.
13 MR. MASON: I just didn't want that to occur
14 again.
15 MR. CAMPBELL: Sure. Thank you.
16 MS. PENDERGRASS: All right. Let's move on to
17 Membership & Bylaws. Miss Rines, are you doing that
18 today?
19 MS. RINES: Okay.
20 Okay. We had our Membership & Bylaws meeting,
21 and we had one application from Lea Loizos from Arc
22 Ecology. We reviewed the application, and we made a
23 motion. We accepted it in the Bylaws Committee, and we
24 are presenting it to the RAB for acceptance.
25 MS. PENDERGRASS: And your motion . . . ?

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1 MS. RINES: Our motion is to accept Lea as the
2 Arc Ecology rep on the RAB board --
3 MS. PENDERGRASS: Is she here tonight?
4 MS. RINES: -- under "Envi- --" I'm sorry.
5 Under "Environmental Organization." That's the category
6 that she is.
7 MS. PETERSON: I have a question.
8 MS. PENDERGRASS: Just a moment --
9 MS. PETERSON: Okay.
10 MS. PENDERGRASS: -- 'cause we have a motion on
11 the floor, so I have to call for discussion at this
12 point. Yes, ma'am.
13 MS. PETERSON: Okay. A lot of -- Some of the
14 RAB members have been complaining because they -- okay.
15 Some of the RAB members have been complaining
16 because they are not seeing the applications. So I was
17 discussing with Mr. Tisdell that if we could have the
18 applications presented to the RAB as a whole and wi- --
19 so that they can at least have something in front of
20 them to see the qualifications, et cetera, and then they
21 go to the -- in addition to going to the committee.
22 MS. PENDERGRASS: I think -- I think that if I
23 remember correctly, about four meetings ago, Ms. Rines
24 and Mr. Tisdell outlined your plan for accepting of new
25 people, which meant that you needed to come to the

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1 subcommittee if you wanted to kind of have some in-depth
2 discussion about that, and then you would make forth a
3 recommendation.
4 So -- unless you all amended that process --
5 MS. PETERSON: No, I'm not -- That -- It's
6 not a process. I'm just saying before you had a copy of
7 every -- okay. Before you got a copy of everybody's
8 application.
9 MS. PENDERGRASS: Before you didn't have this
10 process of dealing with it.
11 MS. PETERSON: Yes, you did. Even with the
12 subcommittees, you had a copy of everybody's
13 application. So --
14 MS. PENDERGRASS: Okay.
15 MS. PETERSON: -- it's just a suggestion.
16 MS. PENDERGRASS: All right. And that
17 suggestion kind of fell during this discussion period.
18 Did I see a hand over here? First? Okay.
19 Yes, ma'am.
20 MS. SUMCHAI: I -- I wanted to make a few
21 comments with regard to the process of -- of RAB
22 membership in -- in respect to the -- the mission of the
23 RAB and to all the people who will come together on a
24 monthly basis and more frequently than that to advance
25 the cleanup and remediation of the -- the Shipyard.

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1 I have always respected this as a
2 democratically elected body, and I have been concerned
3 by a number of incidents that have occurred in recent
4 months in which individuals have been identified as
5 being members of the RAB prior to their being voted onto
6 the RAB. And by virtue of whatever process or
7 miscommunication is going on, I do think that it's
8 something that we need to be more cognizant about.
9 Many of you received an e-mail communication
10 that I intentionally spread as broadly as I could. I
11 personally was not made aware of Christine Shirley's
12 resignation from the RAB. I knew nothing about it until
13 I came here for the January meeting, and there was no
14 announcement whatsoever that I had received.
15 And Miss Loizos, of course, came to the
16 Radiological Subcommittee and announced herself to be a
17 member of the RAB; and Mr. Forman corrected her, that
18 she hadn't been voted on properly. But apparently, she
19 was confused about her own membership here. She hadn't
20 taken out an application yet.
21 I -- After, you know, this had happened, I
22 received, I guess, a week ago an e-mail message from
23 Kevyn Lutton that had been directed to Barbara Bushnell
24 challenging Barbara's interim leadership of the TRC
25 committee.

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1 MS. PENDERGRASS: Dr. Sumchai? Can you --
2 MS. SUMCHAI: Yes.
3 MS. PENDERGRASS: -- get to the --?
4 MS. SUMCHAI: Well, let me just -- let me just
5 make the point that you have a response here from Arc
6 Ecology to some concerns that I generated in an e-mail
7 message about some conflict-of-interest issues. I would
8 like two things to come out of this.
9 One, my understanding is that there are some
10 RAB guidelines that identify conflicts of interest that
11 occur when RAB members enter into contractual agreements
12 with Navy contractors or with the Navy or with other
13 parties in the cleanup process. I would like to see
14 those guidelines.
15 And secondly, I would like to say that
16 Mr. Bloom's rebuttal here -- I'm sorry that he didn't
17 have the courage to attend this meeting, but he has
18 substantiated everything that I outlined in my concerns
19 about the fatness of this organization, how this
20 organization has grown and benefited politically and
21 financially --
22 MS. PENDERGRASS: Do- --
23 MS. SUMCHAI: -- from its relationships.
24 MS. PENDERGRASS: Dr. Sumchai, I'm -- please
25 forgive me because I don't want to be rude, but I am

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1 not -- I -- there's a little bit that's kind of like way
2 over here, and so maybe everybody's not on the -- on the
3 same page of it.
4 But let me break down what I heard you say to
5 make sure that we are all -- because we are in the
6 discussion phase of a motion to accept a person as a RAB
7 member.
8 Now, the bylaws clearly state that the
9 subcommittee chair must be a RAB member.
10 MS. SUMCHAI: Yes.
11 MS. PENDERGRASS: You're quite right in that.
12 And thank you, Mr. Forman, for pointing that
13 out that she was not a RAB member at the time. She did
14 inquire about that at the last meeting.
15 However, a subcommittee -- any subcommittee
16 attendees and members do not have to be RAB members.
17 All subcommittee members do not have to be RAB members.
18 So, you know, there can be a mixture of people who are
19 RAB and not RAB on subcommittees.
20 But to bring that to the point, at this point,
21 we are just talking about bringing on this candidate as
22 a RAB member. We are not dealing with a committee
23 sub -- or the subcommittee chair position at this point.
24 The point on the table here is the acceptance of this
25 person as a RAB member.

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1 So unless there's some more discussion, I think
2 we just need to hear a moment or two from our new
3 candidate. Maybe she could just say something.
4 So Mr. --
5 MS. PIERCE: No, I just was going to call for
6 question.
7 MS. PENDERGRASS: Before we call the question,
8 is there any other discussion that has not been heard
9 before we hear Lea's statement real quick?
10 MR. MANUEL: I got my hand up.
11 MS. PENDERGRASS: I'm sorry.
12 MR. MANUEL: Yes.
13 MS. PENDERGRASS: Yes.
14 MR. MANUEL: I can bark pretty loud, so . . .
15 ATTENDEE: That's okay.
16 MR. MANUEL: Anyway, here -- here's the
17 situation here: We have two members that -- As someone
18 mentioned, it's a democratic process here. We have two
19 members with concerns. Frankly, I don't believe any
20 question is irrelevant; and I think the concerns, I
21 think, should be addressed some sort of way.
22 And -- and I -- and what I heard the good
23 doctor's point being is that there's a process that's
24 being sidestepped by -- by persons, or at least that was
25 her concern. And I think that we need to be sensitive

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1 about all of our members and the community at large's
2 concerns when they are raised.
3 I don't think anybody --
4 MS. PENDERGRASS: And --
5 MR. MANUEL: -- should be kind of -- you know,
6 kind of shut up, you know, when they have gone through
7 the process to be a member or whether or not they're the
8 public or whoever.
9 I think -- I think everybody's questions are
10 relevant, and I don't -- you know, I don't think we
11 should --
12 MS. PENDERGRASS: A -- Again --
13 MR. MANUEL: -- disregard anybody's --
14 MS. PENDERGRASS: Again --
15 MR. MANUEL: -- anybody's concerns.
16 MS. PENDERGRASS: Again, we are not
17 disregarding Dr. Sumchai's comments. She made a number
18 of comments.
19 The ones that were relevant for discussion at
20 this motion is what I'm concerned with at this moment.
21 So we can certainly address those after we address this
22 issue. We are just trying to make sure that we are
23 dealing -- everybody's on the same page.
24 Right now we're talking about the acceptance of
25 a new RAB member that's been recommended from the

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1 Membership Subcommittee --
2 MR. MANUEL: Keith has --
3 MS. PENDERGRASS: -- and --
4 MR. MANUEL: -- his hand up over there.
5 MS. PENDERGRASS: -- and before I asked if
6 there was more discussion, we were going to hear just a
7 statement from the candidate.
8 MS. PETERSON: Keith has his hand up.
9 MR. MANUEL: Keith has his hand up over there.
10 MS. ATTENDEE: Change -- changed his mind.
11 MS. PENDERGRASS: Go ahead. Introduce
12 yourself.
13 MS. LOIZOS: Hi. I am Lea Loizos. I've put in
14 an application for the RAB. I've been working with Arc
15 Ecology for about 15 months now, 14 or 15 months. My
16 background is in environmental and plant biology.
17 Like I said, I've been working with Arc Ecology
18 for 14 months, before -- working on the Community Window
19 on the Shipyard project, which I started working on in
20 about October. I've been sitting on the Mare Island and
21 Alameda RABS and working with some of the technical
22 focus groups there as well.
23 So I have a good idea of how this process
24 works, and I've been learning a lot more about the BRAC
25 process as I go -- as I run along.

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1 And I guess that's pretty much all you need to
2 hear.
3 MS. PENDERGRASS: Thank you.
4 Did you have a question?
5 MR. CAMPBELL: No. I think we need to call for
6 the question.
7 MS. PENDERGRASS: Okay. All right. That -- I
8 will call the question is to accept Lea --
9 MS. LOIZOS: Loizos.
10 MS. PENDERGRASS: -- Lea Loizos as a member of
11 the RAB. All in favor?
12 THE BOARD: Aye.
13 MS. PENDERGRASS: Those opposed?
14 Okay. We have to have a count, then. All
15 those opposed, raise your hands so I can count them.
16 (Simultaneous colloquy.)
17 MS. PENDERGRASS: So there's one, two, three,
18 four, five, six, seven. Seven noes.
19 And let's see how many ayes did we have again?
20 One, two, three, four, five six, seven, eight, nine,
21 ten, eleven. Okay.
22 Any abstentions on that?
23 MS. SUMCHAI: I'm going to abstain. I'd like
24 to say that I'm going to continue to abstain until the
25 Bylaws & Membership Committee makes a sincere effort at

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1 bringing on a Chinese-American member to this RAB. This
2 community has at least 20, 25 percent Chinese-American,
3 and I'm just going to stop voting until we get somebody
4 on there.

5 MS. PENDERGRASS: All right. Thank you for
6 that.

7 Okay. At this point --

8 MS. ATTENDEE: I -- I need to address that.

9 MS. PENDERGRASS: Wait. Before we do this,
10 what we're going to do now is that we've had a passing
11 of this motion, which means we now have a new RAB
12 member, and she is welcome to come to this table.

13 (Applause.)

14 MS. PENDERGRASS: Okay. At this point,
15 Ms. Rines, you're still making your subcommittee report;
16 and if you have any other recommendations you'd like to
17 offer --

18 MS. RINES: Oh.

19 MS. PENDERGRASS: -- please make them as a form
20 of a motion or if you have another one.

21 MR. TISDELL: Okay. For those who are
22 abstaining because -- because there's not a Oriental
23 Asian -- Asian member on board, you need to be at the
24 next RAB meeting, because we do have applications.

25 And we meet from 6:00 to 8:00 -- I get the

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1 keys to the library on Tuesday when it closes at 6:00;
2 and if you come in, you come in through the side door,
3 and it will be right there. And our next meeting is
4 March 11th from 6:00 to 8:00.

5 MS. RINES: Our meetings are very quick.

6 MR. TISDELL: Huh?

7 MS. RINES: Our meetings are very quick.

8 MR. TISDELL: Yes, our meetings are very quick,
9 and we usually be out of there before 7:00. And -- and
10 we meet every second Tuesday of every month.

11 MR. MASON: Not this time.

12 MR. MANUEL: Nobody's ever seen a Asian in here
13 before? Here's a Asian [indicating]. What do you think
14 she is?

15 MS. PENDERGRASS: Ma --

16 MR. MANUEL: Chopped liver?

17 MS. PENDERGRASS: Okay. Okay.

18 MR. ATTENDEE: Hey, come on.

19 MS. PENDERGRASS: One thing we do need to
20 address, though, I think that the point is taken that if
21 we do have resumes for candidates, that -- do you all
22 keep a binder or something that you might bring for the
23 other RAB members to look through and --?

24 MR. TISDELL: What hap- -- what happened was:
25 We get the application and we fax them to Ron, and then

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1 our -- get them to Ron, and he does them, and he -- and
2 then he'd send them back to us.

3 MS. PENDERGRASS: Okay, but --

4 MR. TISDELL: So we -- you know, we both got a
5 copy of the applications that he gets.

6 MS. PENDERGRASS: The que- -- the question is,
7 though, if someone on the RAB would like to see the
8 credentials or -- or what's bringing a person to the
9 RAB, if you -- you have that information, if you could
10 bring it to the RAB meeting, then someone can look at it
11 on the break. I think that's an excellent way to handle
12 that.

13 Are you finished, Miss Rines?

14 MS. RINES: Yes.

15 MS. PENDERGRASS: Okay. Is there any other
16 questions that pertain to membership and bylaws?

17 MR. PALEGA: I think Dr. Sumchai raised a
18 question, and it seems like it's getting pushed under
19 the rug with regards to the conflict of interest.

20 MS. PENDERGRASS: Okay.

21 MR. PALEGA: I mean, you know, that is
22 something that's real real, and we have to address that.
23 And I know that Jesse's -- you know, is saying this may
24 not be the right body; but somebody needs to address it,
25 because that is our community. Okay? So --

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1 MS. PENDERGRASS: I -- I think that's
2 totally --

3 MR. PALEGA: You know, I mean, not just out
4 front people benefiting from it, and they are on here,
5 and they're in any way any form making any of those
6 directions and/or their friends are making in their part
7 of that, then cough --

8 MS. PENDERGRASS: I --

9 MR. PALEGA -- up to it and get established.

10 MS. PENDERGRASS: Okay. I've heard that twice
11 now. I --

12 MR. PALEGA: I mean, you know.

13 MS. PENDERGRASS: Miss Pierce, just one moment.

14 MR. PALEGA: Because I think it's -- I think
15 Dr. Sumchai's point is well-taken [sic], and we want to
16 be effective. We don't want to become the money bag --

17 MR. MANUEL: Exactly.

18 MR. PALEGA: -- for airing the money to friends
19 and ourselves --

20 MR. MANUEL: I agree.

21 MR. PALEGA: -- you know, real simple for me.

22 MS. PENDERGRASS: All right. We have Miss
23 Pierce, and then -- I'm sorry.

24 MS. PIERCE: Over two years ago, community
25 members at the RAB raised the issue of conflict of

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1 interest.
2 And we were informed at that time that the way
3 RABs were set up, it is expected and intended that
4 contractors would be members of the RAB, because we
5 raised that very issue.
6 So we need to hear back from the Navy on this
7 again, I guess, because we have new RAB members.
8 But I just want to stress that we should not be
9 asking for greater controls or barriers for community
10 members' grass roots organizations than the Navy puts on
11 itself because their contractors sit as members of this
12 RAB.
13 MR. MANUEL: The don't vote.
14 MS. PETERSON: They don't vote.
15 MR. MANUEL: They don't vote. They don't
16 decide anything.
17 MS. LUTTON: Well, what I want to say is:
18 There has been rumors going around about Arc Ecology.
19 And if there's issues with Arc Ecology, then I -- and
20 people want to investigate them or -- or bring up issues
21 with their financial dealings, that's something that I
22 think is outside of the purview of the RAB.
23 What I know about Arc Ecology after working for
24 a year with the meetings, with the techs meetings and
25 the risk assessment, they have been extremely helpful to

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1 the community in terms of giving us information and
2 fleshing out --
3 MR. MANUEL: Making money.
4 MS. LUTTON: -- ways of tackling scientific
5 problems that no layperson would have on their own.
6 And if people manage to get rid of Arc Ecology
7 for whatever reason, it would be a serious loss to the
8 community, and I don't think it should happen until they
9 are replaced by another group with the same kind of
10 expertise, training, and salary to work for the
11 community.
12 As far as the other issues about stealing money
13 or whatever you think, I think that's outside of the
14 purview of this RAB.
15 MS. PENDERGRASS: First of all, I think that,
16 you know, we're having this discussion which is taking
17 time from the other subcommittee --
18 MS. ATTENDEE: Yeah.
19 MS. PENDERGRASS: -- reports, which is
20 something we need to do. At this point, I'm going to
21 stop this conversation.
22 What we -- what we need to do, what we need to
23 do on this is set some time on the agenda to talk about
24 it. And quite frankly, your bylaws are quite clear on
25 this matter. But we need time to talk about it so that

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1 everybody's clear about it. This will be an action item
2 on the next agenda to talk about it, or at least that's
3 what we need to put in on the next agenda.
4 At this point, we need to continue -- or we'll
5 all be here till late at night -- with the next
6 subcommittee report, radiological issues. And who's
7 bringing that report?
8 MS. SUMCHAI: I will keep it bee -- brief.
9 You guys have received by e-mail and hard copy
10 the minutes of the January meeting, and they closely
11 parallel the minutes as well as the PowerPoint
12 presentation that Laurie Lowman presented.
13 I do want to make one point only, and that is
14 that we have failed to deal with the radiological
15 operations at Parcel E, including the landfill. And
16 without question, some of the most serious potentials
17 for -- for radiation has existed on that parcel.
18 And from what is known in the draft HRA, which
19 as of next month will be a year old, the Parcel E
20 landfill was the site of radioactive sources, including
21 radium in soil, radon gas, and radium-containing
22 devices. And then there were a number of buildings that
23 were used to -- as storehouses for radiation sources as
24 well as laboratories for NRDL.
25 So please let's not, you know, forget that

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1 Parcel E is -- is a focus that we have to always keep at
2 the top of our radar screen.
3 And in keeping with that, at our next
4 Radiological Subcommittee meeting, we definitely need to
5 have an update on Parcel E radiological operations; and
6 we also need to continue to monitor the status of the
7 HRA and the search for oral history of former employees.
8 Kevyn Lutton, I have invited her to make a
9 presentation about her proposal for a community
10 radiation school. We need to follow up on the status of
11 Building 366 and take us very, very seriously if there's
12 a potential for radiation exposure, that perhaps people
13 need to be evacuated from that building as a work or
14 studio site.
15 And then I have also been contacted by a
16 reporter at the CHRONICLE, Jane Kay, who was very
17 interested in following up on Building 815; and we
18 probably need to revisit some of the issues pertaining
19 to that building and the Department of Public Health's
20 letters to the property owner as of last year and the
21 status of that DPH investigation.
22 MS. PENDERGRASS: All right. Do you have any
23 recommendations in your report in terms of the --? The
24 only thing I heard was that you were inviting some folks
25 to speak at the subcommittee meetings, and that's about

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1 it.
2 MS. SUMCHAI: Well, the recommendations are
3 that people come to the meeting --
4 MS. PENDERGRASS: Okay.
5 MS. SUMCHAI: -- on the 26th. Kevyn and I
6 talked about --
7 (Unintelligible interruption.)
8 MS. SUMCHAI: Excuse me. -- March 26th to put
9 together something for the radiation school in proposal
10 form and then other information that Daryl of New World
11 Technology and Department of Public Health can provide.
12 MS. PENDERGRASS: Okay. Thank you very much.
13 Risk review. Who's doing that?
14 MS. PIERCE: I chaired the Risk Review
15 Subcommittee. We did meet on February 13th, and the
16 discussion was around the dissatisfaction with the
17 report from ATSDR.
18 So we determined that for our March meeting, we
19 would invite ATSDR back. I have conferred with Na- --
20 the Navy to identify a date. We have a tentative date.
21 I now have a confirmed date when the Navy will
22 be able to be present, and we'll get ATSDR to be present
23 also. That date is March 11th at 5:30. The location is
24 to be announced. We don't have a confirmed spot, since
25 we had to change the date.

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1 effect on funding the cleanup of the Shipyard and how we
2 will identify Homeland Security funding to replace any
3 funding that is lost if we go to war.
4 I urge all of you to attend that meeting. It's
5 a strategy meeting. Members of the Department of Public
6 Health will be involved.
7 MS. PENDERGRASS: All right. Thank you.
8 The Technical Review Committee, I understand,
9 is Miss Bushnell?
10 MS. BUSHNELL: Yes.
11 I know I'll need this [indicating microphone].
12 I'll try to be brief also.
13 We met on the 19th at the library, discussed
14 several items about I wanted to be certain if there was
15 this notion that Parcel A was -- was waiting for the HRA
16 to be complete before potential hand-over.
17 There are also some issues of methane where the
18 Parcel E and A conjoin, and that's also under
19 consideration under Parcel A.
20 We discussed -- A lot of the discussion ended
21 up about -- about the water areas, about "C" -- "B,"
22 "C," "D," and "E" all -- all have water access and what
23 kind of studies are being done on that. And that's all
24 being studied along with Parcel F along with all this.
25 We don't have a lot of data and numbers.

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1 MS. PENDERGRASS: Okay. Can you make sure,
2 though, that you get where it is and send that to Ron so
3 that he can get an e-mail out to everybody so that --
4 MS. PIERCE: I --
5 MS. PENDERGRASS: -- everybody knows where it
6 is?
7 MS. PIERCE: I will. And the committee came up
8 with a list of questions, specific questions, for ATSDR.
9 I will put that into the memo also --
10 MS. PENDERGRASS: Very good.
11 MS. PIERCE: -- so all of that will be
12 available.
13 MS. PENDERGRASS: Very good.
14 MS. PIERCE: And then if I could ask the
15 indulgence . . . I sit on another committee that has a
16 regular meeting from 4:00 to 6:00, so I'm always late.
17 I missed the announcements. This is related to risk
18 review. If I can just make a very quick announcement.
19 The next HEAP meeting is on March 13th.
20 MS. PENDERGRASS: What kind of meeting?
21 MS. PIERCE: HEAP, H-E-A-P. The Health and
22 Environmental Assessment Task Force meeting is on
23 Thursday, March 13, from 5:30 to 7:00 at Southeast
24 Health Center.
25 The agenda item for that meeting is war and its

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1 But Keith actually pointed out that the focus
2 for this subcommittee would be to read the groundwater
3 reports that are coming out, and they are still coming.
4 But -- and there was also a memo that I had
5 uncovered that mentioned certain areas on Parcel B where
6 there was PCBs and petroleum hydrocarbon compounds that
7 were detected, and they are studying that; and that's
8 right on the water, and there's a map to indicate where
9 that is.
10 Again, that's it to be reported.
11 The next Tech Subcommittee meeting is
12 March 12th at 6 o'clock at the Anna Waden Library, and I
13 would like to announce that I would like to continue as
14 chair of the Technical Subcommittee.
15 MS. PENDERGRASS: All right. Now, at this
16 point, I know there's some discussion around that.
17 We're out of time on this, and -- and this is what I
18 suggest that we need to do. This -- this is a
19 discussion about who wants to be a chair of the
20 subcommittee --
21 MR. CAMPBELL: That wasn't my question.
22 MS. PENDERGRASS: -- and -- No, but I'm saying,
23 there may be some discussion about that, and I think
24 that that should happen at the subcommittee meeting wh
25 you all come together and make some kind of

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1 recommendation to the RAB.
2 MR. CAMPBELL: Thank you.
3 MS. PENDERGRASS: Okay. So I think that we
4 need to set kind of a precedent of how we need to handle
5 filling vacancies in terms of the subcommittees.
6 So we will expect at the next -- for the next
7 meeting that you will make a report, Miss Bushnell, on,
8 you know, what you all decided and make a recommendation
9 so we can either approve or -- can approve the
10 subcommittee chair.
11 Does that make sense to everybody?
12 MR. CAMPBELL: Sure.
13 MS. PENDERGRASS: All right.
14 MR. CAMPBELL: This concerns the whole RAB in
15 regards to the Tech Subcommittee.
16 There was a date given out by Dave DeMars which
17 concerns the adjacency issue with Parcel A and methane.
18 And I wondered if Dave -- Dave would just give us the
19 date on the methane.
20 You said something about June possibly.
21 MR. DeMARS: Are you referring to when the
22 report is due to come out?
23 MR. BROWN: Right.
24 MR. CAMPBELL: Yeah.
25 MR. DeMARS: The close-out report for the --?

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1 motion that we address some of the questions that were
2 raised earlier by many of the members that was abruptly
3 terminated. Maybe it was improper to be discussed at
4 that time, but there should be a time set aside so that
5 everyone is on the same page and we as a group can move
6 on. I think that at some future meeting, we should
7 discuss this and clear the air on this.
8 MS. PENDERGRASS: I'm sorry. I thought -- I
9 thought we just had put that on the agenda for the
10 next --
11 MR. MANUEL: I didn't know that we did.
12 MS. PETERSON: I --
13 MS. PENDERGRASS: Is that not correct?
14 MS. PETERSON: Well --
15 MS. PENDERGRASS: That's the understanding.
16 MS. PETERSON: -- I think we should add
17 conflict of interest, period --
18 MS. PENDERGRASS: We --
19 MS. PETERSON: -- in addition to Arc Ecology.
20 MR. MANUEL: I didn't know that we did. So
21 that's fine if that's the indication.
22 MS. PENDERGRASS: No. It was conflict of
23 interest is what we were talking about.
24 MR. MANUEL: Oh, okay. Okay. I missed it.
25 MR. MASON: I have a comment. I have a

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1 MR. CAMPBELL: Right.
2 MR. DeMARS: I believe it's sometime in June
3 that we are expecting the close-out report for the
4 methane gas removal action to come out.
5 MR. CAMPBELL: Right. And that does affect
6 transfer. So you can't have a transfer until after
7 that, because that feeds into the cost.
8 MR. DeMARS: Correct.
9 MR. CAMPBELL: Thank you.
10 MS. PENDERGRASS: All right. Before we
11 adjourn, is there any burning issue that we did not
12 cover a question from any of our audience that perhaps
13 that we didn't answer?
14 Yes, ma'am.
15 MS. LOIZOS: Well, if I could maybe briefly
16 address this issue about conflict of interest. And I'm
17 not going to get into it right now, but I just wanted to
18 say that that's the point of that letter that I passed
19 out. If you didn't get a copy of it, please let me
20 know, because I'm not trying to hide anything from
21 anybody and --
22 MS. PENDERGRASS: We need to have that
23 discussion. Thank you.
24 Yes, sir.
25 MR. MANUEL: Real brief. I like to offer up a

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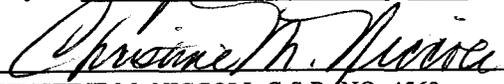
1 comment.
2 I know Arc Ecology and I'm -- I'm not --
3 MS. PENDERGRASS: But we are not discussing
4 that.
5 MR. MASON: But the point is this. The point
6 I'm trying to make is this: Arc Ecology has been
7 instrumental in the community for quite some time for
8 some things. Allow Arc Ecology to defend itself. You
9 know, if you want to discuss conflict of interest, bring
10 Arc Ecology down to the RAB and let them defend
11 themselves. That's all I'm saying.
12 MS. PENDERGRASS: Well, I think they're willing
13 to frame that in terms of a discussion so everybody
14 would be prepared to talk about that at the next
15 meeting --
16 MR. MANUEL: Okay.
17 MS. PENDERGRASS: -- since there's consensus
18 that we want to add that to the agenda.
19 At this point, this meeting is adjourned.
20 (Off record at 8:08 p.m., 2/27/03.)
21 ---oOo---

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CERTIFICATE OF REPORTER

I, CHRISTINE M. NICCOLI, Certified Shorthand Reporter of the State of California, do hereby certify that the foregoing meeting was reported by me stenographically to the best of my ability at the time and place aforementioned.

IN WITNESS WHEREOF I have hereunto set my hand this 1st day of April 2003


CHRISTINE M. NICCOLI, C.S.R. NO. 4569
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HUNTERS POINT SHIPYARD MONTHLY PROGRESS REPORT

JANUARY 2003

This monthly progress report (MPR) summarizes environmental restoration activities conducted by the Navy at Hunters Point Shipyard (HPS) during January 2003. This MPR is prepared in accordance with the HPS Federal Facility Agreement, Section 6.6. The MPR is presented in three sections: Section 1, Parcel Updates, summarizes key activities at each parcel completed during the past month and planned for the upcoming 2 months; Section 2, Schedule, identifies submittals, meetings, and field activities completed during the past month and planned for the upcoming 2 months; Section 3, Other, is intended for special announcements, changes in personnel, basewide issues, or other topics not included in Sections 1 or 2.

1.0 PARCEL UPDATES

PARCEL B JANUARY 2003 ACTIVITIES

- Continued evaluation of soil vapor extraction (SVE) performance data for the Phase II SVE treatability study at Building 123. Evaluated of hexavalent chromium groundwater data at Installation Restoration (IR) Site 10.
- Continued human health risk assessment (HHRA) work in support of the risk management review (RMR) process.
- Prepared and submitted final July-September 2002 quarterly monitoring report with responses to comments (RTC).

PARCEL B FEBRUARY 2003 – MARCH 2003 ACTIVITIES

- Conduct RMR meetings and begin preparation of RMR summary report.
- Conduct January – March 2003 quarterly groundwater monitoring event.
- Prepare and submit draft performance report for the Phase II SVE treatability study at Building 123. Provide evaluation of hexavalent chromium groundwater data at results at IR-10.
- Prepare and submit final technical memorandum documenting the extent of the debris and other physical conditions at IR-07 and 18.

- Prepare and submit final addendum to the field sampling plan for Parcel B remedial action confirmation sampling and analysis plan (SAP) to address shoreline characterization. Conduct sampling for Parcel B shoreline data gaps.
- Prepare and submit draft annual report/October – December 2002 quarterly groundwater monitoring report.
- Prepare and submit final Parcel B waste consolidation summary report with RTCs (pending receipt/resolution of agency comments).

PARCEL C JANUARY 2003 ACTIVITIES

- Continued HHRA work in support of the RMR process and the draft Parcel C revised feasibility study (FS).
- Evaluated SVE performance data for the Phase II SVE treatability study at volatile organic contaminant (VOC) areas (study also includes portions of Parcels B and E).
- Continued radiation screening surveys.
- Continued evaluation of dense non-aqueous phase liquid (DNAPL) removal technologies for use at Building 134.
- Prepared and submitted RTCs for Ferox injection technology demonstration final work plan (also known as zero valent iron treatability study). Initiated post-injection sampling at Building 272.
- Continued waste consolidation work.

PARCEL C FEBRUARY 2003 – MARCH 2003 ACTIVITIES

- Continue HHRA work in support of the RMR process and the draft Parcel C revised FS.
- Complete post-injection sampling for Ferox injection technology demonstration at Building 272.
- Continue evaluation of performance data for Phase II SVE treatability study at VOC areas.
- Continue radiation screening surveys.
- Prepare and submit the final closeout report for Dry Dock 4 removal action with RTCs.
- Prepare and submit report for Phase III GDGI activities at Parcel C.
- Continue waste consolidation work.

PARCEL D JANUARY 2003 ACTIVITIES

- Continued HHRA work in support of the RMR process and the draft final Parcel D revised FS.
- Continued radiation removal action activities near Building 364.
- Continued waste consolidation work.

PARCEL D FEBRUARY 2003 – MARCH 2003 ACTIVITIES

- Prepare responses to comments on draft Parcel D revised FS.
- Continue HHRA work in support of the RMR process and the draft final Parcel D revised FS.
- Continue radiation removal action activities at Building 364.
- Complete waste consolidation work. Prepare and submit draft Parcel D waste consolidation summary report.
- Prepare and submit revised Phase III GDGI report with RTCs (pending receipt/resolution of agency comments).

PARCEL E JANUARY 2003 ACTIVITIES

- Continued field work for non-standard data gaps investigation, and continued monitoring of the landfill gas extraction system.
- Prepared and submitted draft storm water discharge management plan and draft operation and maintenance plan for industrial landfill.
- Continued Phase II field work for the standard data gaps investigation. Submitted data package for Phase I of the standard data gaps investigation.
- Continued evaluation of SVE performance data for Phase II SVE treatability study at Building 406 (limited field activities in Parcel E).
- Continued radiation screening surveys.
- Continued operation of groundwater extraction system at industrial landfill.

PARCEL E FEBRUARY 2003 – MARCH 2003 ACTIVITIES

- Continue field work for the non-standard data gaps investigation, and continue operation and monitoring of the landfill gas extraction system.
- Complete Phase II field work for the standard data gaps investigation.
- Continue evaluation of performance data for Phase II SVE treatability study at Building 406.
- Continue radiation removal action activities.
- Continue radiation screening surveys.
- Continue operation of groundwater extraction system at industrial landfill.
- Prepare and submit final landfill fire removal action closeout report.
- Prepare report for Phase III GDGI activities at Parcel E (including radiological data).

PARCEL F JANUARY 2003 ACTIVITIES

- Continued preparation of responses to remainder of agency comments on draft validation study (VS) report.

PARCEL F FEBRUARY 2003 – MARCH 2003 ACTIVITIES

- Continue preparation of responses to remainder of agency comments on draft VS report. Prepare draft final VS report.
- Meet with regulatory agencies to scope supplemental VS field work.

2.0 SCHEDULE

This section presents meetings, deliverables, and field activities conducted and planned during this reporting period.

Activities Conducted	Date
Submitted draft storm water discharge management plan and draft operation and maintenance plan for Parcel E industrial landfill	January 7, 2003
Submitted final Parcel B July – September 2003 quarterly monitoring report with RTCs.	January 7, 2003

Activities Conducted	Date
BCT monthly meeting	January 14, 2003
Submitted draft basewide monitoring well repair summary report	January 16, 2003
Submitted responses to comments for final Ferox injection technology demonstration work plan	January 17, 2003
RAB meeting	January 23, 2003
Submitted data package for Phase I of the Parcel E standard data gaps investigation	January 31, 2003

Activities Planned	Date
Submit final Parcel E landfill fire removal action closeout report	February 4, 2003
Parcel B RMR meetings	February 4-6, 2003
Submit final Dry Dock 4 removal action closeout report and RTCs	February 20, 2003
BCT monthly meeting (Navy team participates via conference call from San Diego)	February 20, 2003
Submit final Parcel B shoreline SAP (addendum to the field sampling plan for Parcel B remedial action confirmation SAP) and RTCs	February 24, 2003
Parcel F meeting	February 25, 2003
RAB meeting	February 27, 2003
Submit draft annual report/October – December 2002 quarterly monitoring report	February 28, 2003
Submit final Parcel B technical memorandum for Installation Restoration Site 07/18	March 2003
Submit draft BRAC business plan	March 7, 2003
BCT monthly meeting	March 11, 2003
Submit final Parcel B waste consolidation summary report with RTCs*	March 14, 2003
Submit draft performance summary report for Building 123 soil vapor extraction treatability study	March 14, 2003
Submit Parcel C Phase III GDGI report	March 19, 2003
RAB meeting	March 27, 2003
Submit revised Parcel D Phase III GDGI report with RTCs*	March 31, 2003
Submit responses to comments on draft Parcel B groundwater evaluation technical memorandum*	TBD
Submit draft Parcel B total petroleum hydrocarbon (TPH) corrective action plan (CAP) closure report*	TBD
Submit revised final Parcels C, D, and E TPH CAP*	TBD

Note:

* Document submittal pending receipt and/or resolution of BCT comments

3.0 OTHER

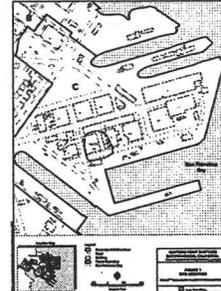
- The Navy prepared and submitted a basewide summary of construction details and current condition of monitoring wells at HPS.
- The Navy is preparing RTCs on the draft historic radiological assessment (HRA), Volume II. RTCs are planned for submittal by March 7, 2003. The Navy is conducting additional research and performing interviews with former workers in support of the draft final HRA.
- The Navy is preparing a draft base realignment and closure (BRAC) business plan scheduled for submittal on March 7, 2003.
- The Navy is conducting interviews and performing the background preparation for the community relations plan (CRP) update. An interview summary report is planned for submittal in March 2003, and the draft CRP is planned for submittal in late April 2003.



Innovative Cleanup of Trichloroethene in Groundwater Using Iron Injection

Presented to:
Hunters Point Restoration Advisory Board
February 27, 2003

Treatability Study Site



Presentation Outline

- Location
- Background
- Primary Objectives
- Chemistry
- Injection Methodology
- Existing Conditions
- Initial Results
- Preliminary Conclusions

Background

- One of two projects selected in 2001 by Navy's Alternative Restoration Technology Team for Field Implementation
- TCE is primary contaminant at the site
- Project Team
 - Navy: K. Forman, D. DeMars, P. Brooks, Dr. D. B. Chan
 - Tetra Tech EM, Inc.: J. McCall; G. Swanson; H. Cheng, D. Cheng
 - ARS Technologies: S. Chen

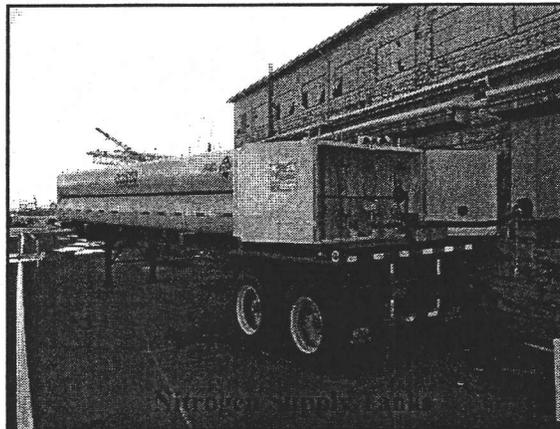
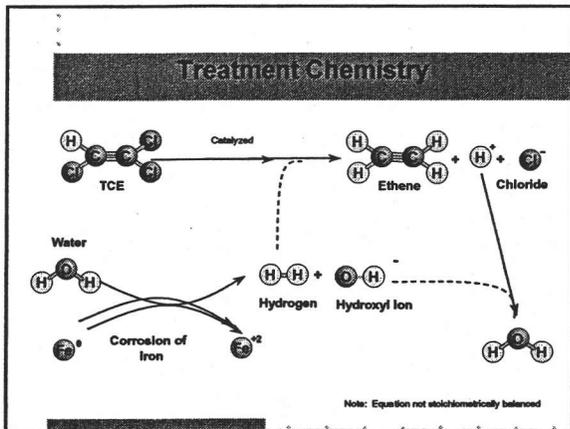


Hunters Point Shipyard
San Francisco, CA



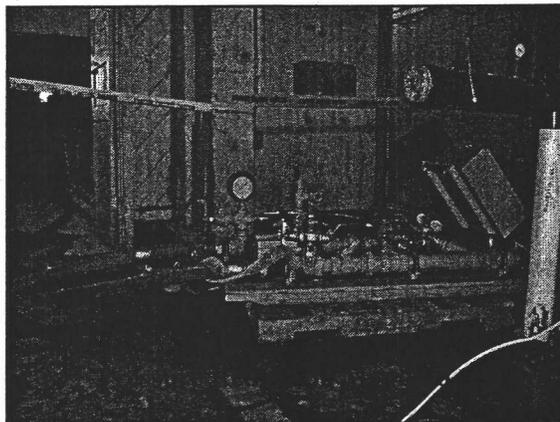
Primary Objectives

- Determine whether iron injection can be used to clean up trichloroethene in groundwater
- Evaluate whether contamination is moved by injecting iron
- Evaluate size of treatment zone



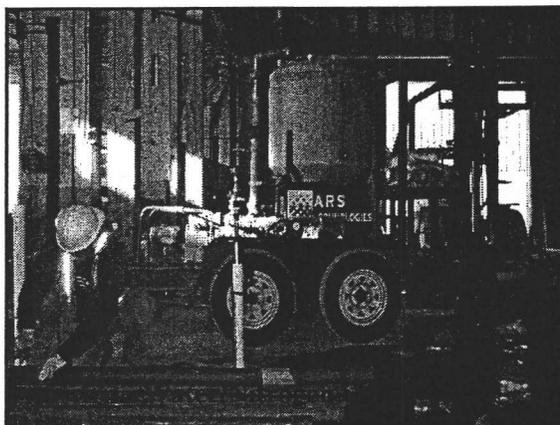
High Reactivity Iron Powder

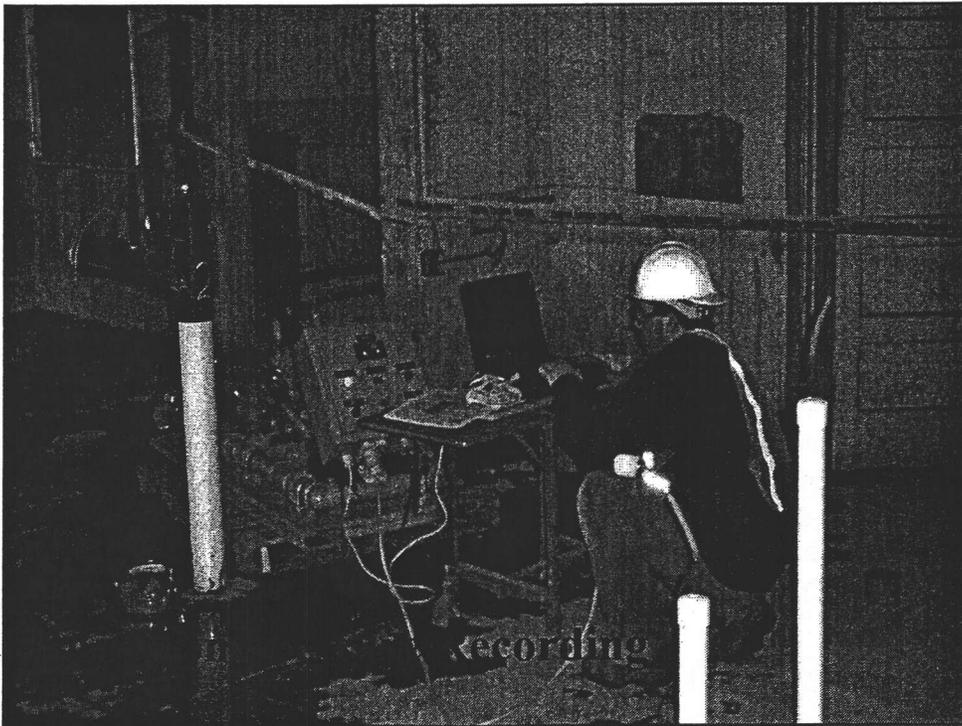
- Irregular Shape Provides High Surface Area
- ~40 um particles
- High Purity Iron (95%+) with trace carbon within the particle structure

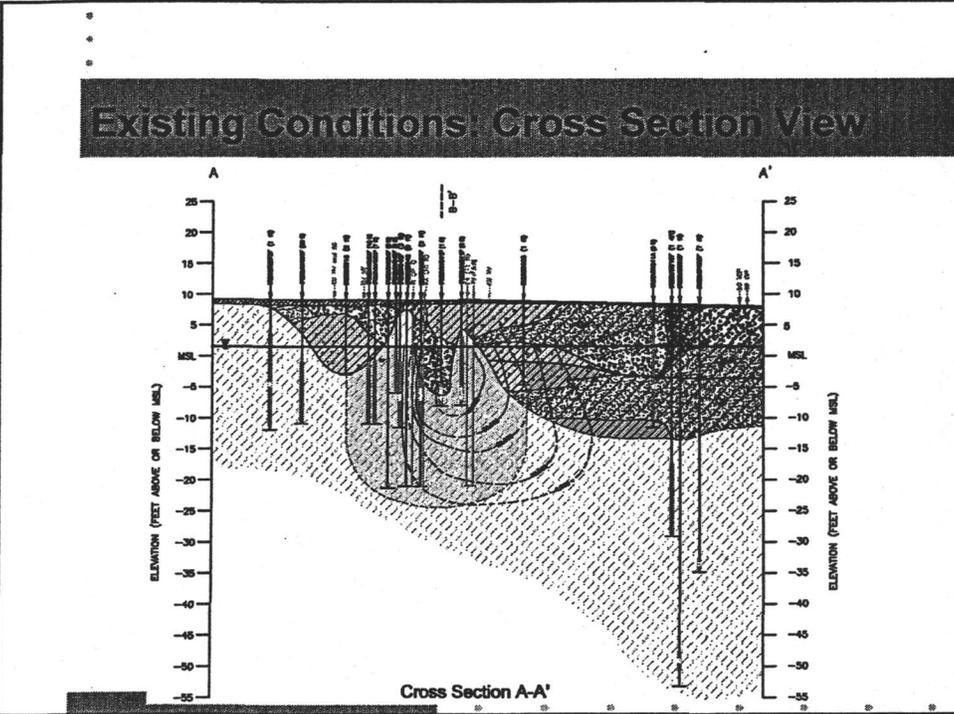
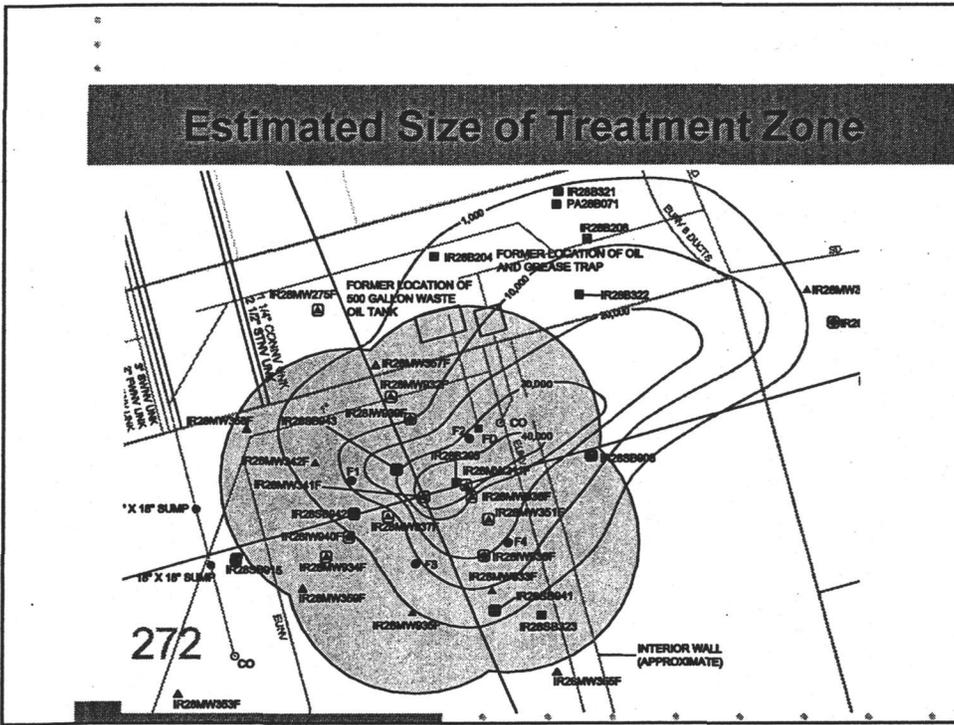


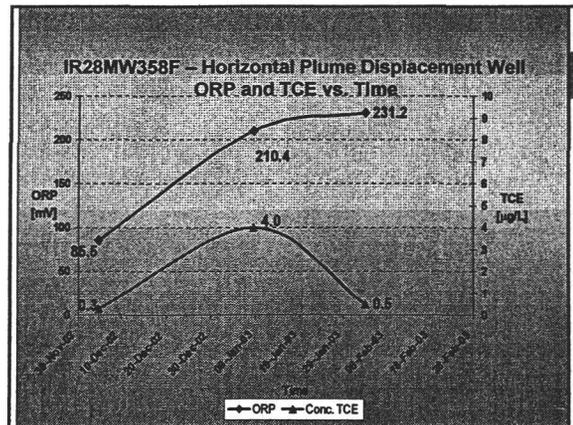
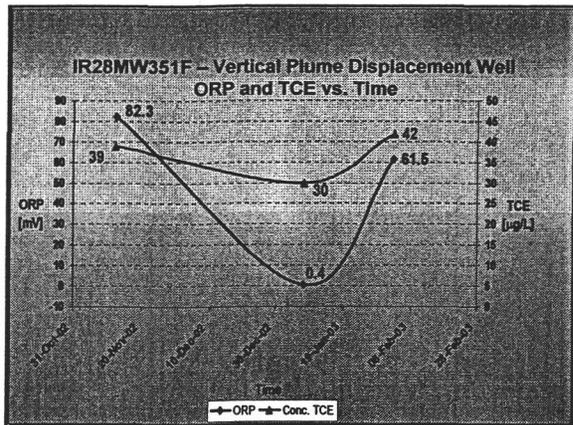
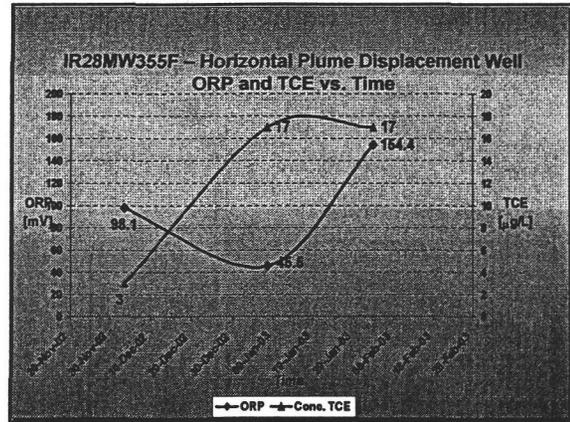
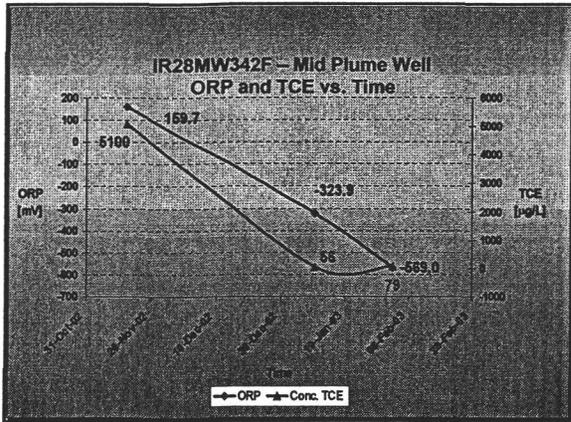
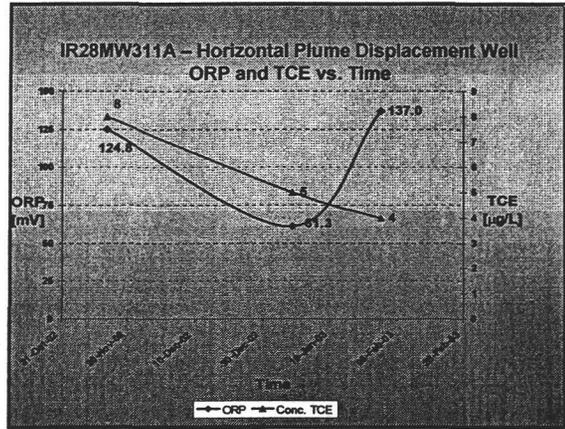
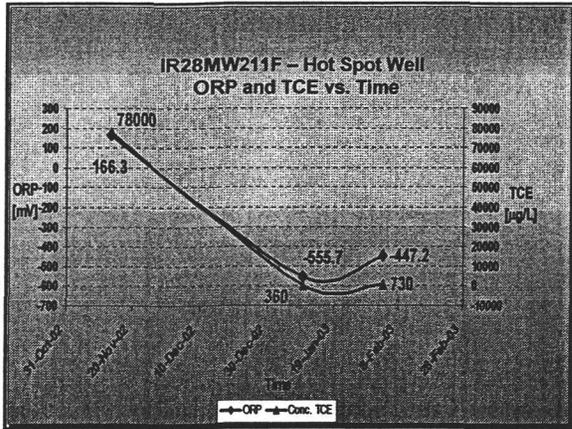
Iron Injection Methodology

- Inject nitrogen gas for 10 – 15 seconds to fill pore spaces (and open new pore spaces)
- Following initial nitrogen injection, iron-water slurry is introduced to the gas stream
- Nitrogen acts as carrier fluid to atomize and disperse slurry into the formation
- Liquid atomized injection of iron slurry increases contact with contaminants
- Each injection borehole was expected to have a 20-foot radius of influence









Preliminary Conclusions

- Iron injection caused a large reduction in TCE contamination
- Contaminants show little movement due to the injection
- Radius of influence ranges from about 15 to 20 feet
- This innovative technology may be applied to other Hunters Point contamination areas



**Current Radiological Issues
Hunters Point Shipyard
RAB Meeting
February 27, 2003**



Introduction

Commander Lino Fragoso, USN
Officer in Charge,
Naval Sea Systems Command Detachment
Radiological Affairs Support Office (RASO)
Yorktown, Virginia



Current Radiological Issues

- Preparation of Draft Final HRA
- Ongoing Radiological Site Work
- New Areas of Investigation



Why a Draft Final HRA?

- Navy has a commitment to produce an accurate and comprehensive HRA
- Navy efforts for Draft Final HRA
 - Address comments received on Draft HRA
 - Incorporate newly discovered historical information
 - Interview former workers



Comments on Draft HRA

- Comments received from:
 - Regulatory agencies
 - City of San Francisco and Developer
 - Concerned citizens
- Navy responses to comments will be distributed by March 7, 2003



HRA Historical Research

- Additional information at 7 different locations
- Navy received personal files of former NRDL department head (now deceased) who was writing a book about NRDL



Advertised for Interviews

- Published in 4 San Francisco newspapers and 1 Sacramento newspaper
- Sought personnel with knowledge of radiological operations at HPS



Interviews

- 138 responses to advertisement to date
- Telephone interviews started February 19, 2003
- Respondents to call 1-800-443-7164 or e-mail DaryID@newworld.org



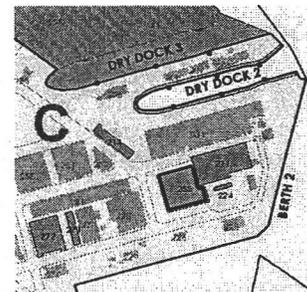
Current Field Surveys

- Current HPS field surveys being performed at same time as HRA research
- Surveys have identified new issues at areas of concern
- Survey results being used with archive information to resolve issues

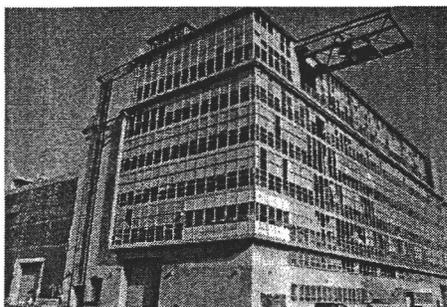


Current Field Investigations

Building 253 in Parcel C

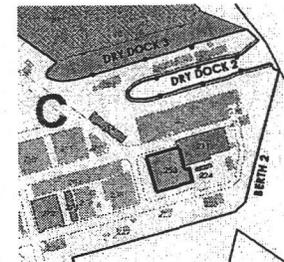


Building 253



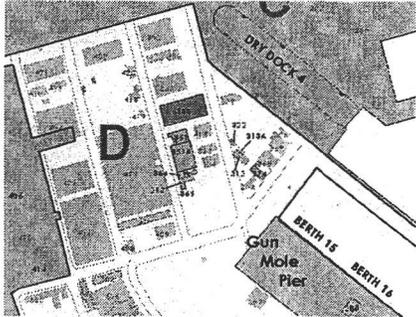
Building 253

- NRDL Calibration Facility (6th Floor)
- Small instrument repair shop (5th Floor)
- Initial surveys complete
- Cs-137 and Ra-226
- Cleanup underway

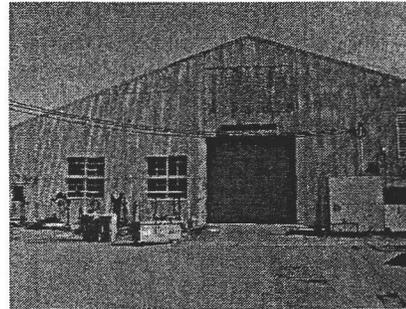




Building 366 in Parcel D



Building 366



Building 366

- Former Boat and Plastics Shop
- Currently being used by artists
- Initial survey complete – no issues identified
- Historical records indicate previous storage of radioluminescent paint
- Navy to confirm initial findings in follow-up surveys



What's Next?

- Continue HRA research and interviews
- Continue on-site radiological surveys and cleanup
- Keep HPS tenants, community and regulators informed

Hunters Point Shipyard Restoration Advisory Board
Radiological Subcommittee
Meeting Summary
1/22/03

Attendees: Lynne Brown, Lea Loizos, Clifton Smith, Daryl DeLong, Bill Haney, Jim Ansbro, Martin Offenhauer, Joel Cehn, Laurie Lowman, Dick Lowman, Kevyn Lutton, Francisco DaCosta, Andrew Bozeman, Mary Ratcliff, Willie Ratcliff, Ahimsa Sumchai

Introductions were made. Laurie Lowman of the Radiological Affairs Support Office began with a report on the status of the Draft Final Historical Radiological Assessment. Lowman, who began working with RASO in 1978 reviewing data from HPS surveys, announced RASO has secured funding to augment the HRA making it a "more accurate and comprehensive document". BRAC Environmental Coordinator Keith Forman stated the funding will expand staffing dedicated to investigation and completion of the document. Specifically, more research attention will be directed towards the history of Operation Crossroads and radiological operations at HPS. Forman announced that beginning 1/26/03 ads will be run in five major newspapers soliciting information from former shipyard employees and other parties privy to "knowledge of shipyard base radiological operations." Dick Lowman reported that a former NRDL scientist, Dr. C. Sharp Cook died and his daughter found 6 boxes of records relating to operations on the base that are currently being reviewed for inclusion in the Draft Final HRA.

RAB Community co-chair Lynne Brown asked for the anticipated date of release of the HRA. Mr. Forman responded that RASO is not pressured to quickly complete the document and that "speed kills quality...the quality of the document suffers when information is hastily compiled".

Radiological chair Ahimsa Sumchai and Mary Ratcliff offered information about the whereabouts of Tom Olsen, a former Triple A Machine Shop employee who has reported to the media and numerous government agencies his work activities at HPS. He carried large barrels of hazardous materials against his body and has contracted a very unusual radiation induced tumor called a lymphangiosarcoma. Olsen has reported having numerous records pertaining to HPS radiological operations.

Independent investigations confirm that the Naval Radiological Defense Laboratory was established in 1947 to study contamination problems posed by the atomic bomb. At the time of its "disestablishment" in 1969, its library of research reports were evidently dispersed, and basic records were destroyed. DOE was unable to locate the pre-1970's files of its Intelligence Division, which could have provided critical data on intentional releases and word done for others. In response to Committee request, a DOE investigation revealed that these files were substantially purged during the 1970's and as late as 1989.

Lowman referred to the HRA methodology as a "picture in time", clarifying that the draft final HRA will represent a finite period of study from 1939 through 2002 and that subsequent documents will incorporate information uncovered after that date. She emphasized that the HRA is not a "living document" and will not incorporate the results of ongoing surveys.

Lowman went on to report that 650 feet of new records recently declassified by the Department of Energy pertaining to HPS radiological operations have been found at San Bruno Archives. This information will also be incorporated into the draft final HRA and the generation of new data, interpretation, writing staff and independent verification will call for added funding and staff at RASO.

Following an indepth discussion in which Lowman emphasized that HPS's

closure for 30 years prior to remediation has factored in the complexities of HRA completion, she stated, "The HRA will not be the same document put out before." Specifically, NWT surveys will not be included in the HRA. Lowman reports that the inclusion of Appendix B reports in the original HRA volume II generated criticism from regulators who had not reviewed the contents of the material prior to its publication and distribution.

Lowman reported that SF Weekly writer Lisa Davis has been petitioned by RASO to provide the identification of individuals she interviewed for the Fallout series.

The discussion shifted to the status of current radiological investigations at HPS. Mr. Forman announced that Building 821 on Parcel A had received DHS clearance. He addressed the controversy stemming from the finding of cesium in drains in building 821. The concentration was interpreted as being high by a regulator and member of the BCT. Forman explained that the volume of the sample was small and the final result was sent to an independent lab for confirmation.

Joel Cehn representing the Mayor's office asked for the exact amount of cesium in the drain samples. Daryl DeLong reported it as 0.14 above the detection level of 0.8 but below remediation level.

Jim Ansbro noted that Building 821 does not appear nor is not numbered on HPS maps. Sumchai replied that other observers had reported this.

Francisco DaCosta, environmental activist and representative of the Muwakme Ohlone Indian tribe was introduced and he gave a brief but enlightening discussion about the 200 year old archeological history of the tribe on federal lands at HPS and the concern about the existence of Indian burial grounds called shellmounds on Bayview hills surrounding the shipyard. DaCosta emphasized the need for a complete archeological survey prior to further development at HPS. Mr. Forman stated that there is a NEPA requirement for such surveys and that he believed a document might be in existence.

The final discussion centered on the status of radiological surveys at Parcel C and Parcel D. The substance of this discussion is summarized in the meeting minutes of the January RAB and in Mrs. Lowman's power point presentation, Current Radiological Issues January 23, 2003. Parcel E radiological operations were not discussed in either the subcommittee or full RAB.

The Draft HRA issued March 29, 2002 identifies Parcel E to harbor numerous buildings and sites undergoing radiological survey. The most significant of which is the Parcel E landfill (IR01/21). The 1991 Phase I radiological investigation identified 7 radioactive sources believed to be emanating from radium in soil, radon gas and radium containing devices. An interim RCRA cap was placed that covers little more than 37% of the landfill. The ATSDR reports that landfill soil covering disposed materials is both shallow and inconsistent in depth.

Additional survey sites on Parcel E include building 406, believed to have been a storehouse for radiation sources or devices. Building 414, believed to have been a storehouse for radioactive waste. Building 506 was the former NRDL headquarters. Building 507 was the NRDL biological laboratory. Building 508 was the NRDL health physics lab. Building 509 was an animal irradiation facility. Building 707 was used to store drums of radioactive waste. Building 708 was an NRDL biomedical facility. Building 820 housed the NRDL cyclotron and Buildings 830 and 831 were used as animal kennels and breeding facilities for animals irradiated in NRDL experiments.

MEETING ANNOUNCEMENT

The March meeting of the Radiological Subcommittee of the HPS Restoration Advisory Board will be held on Wednesday evening, March 26, 2003

from 6-8pm at the office of Literacy for Environmental Justice located at
6220 Third Street at Paul. Please RSVP to (415)835-4763

HPS Membership & Bylaws Subcommittee Meeting Notes
Meeting Minutes for 11 February 2003, 6-8pm
San Francisco Public Library, Anna E. Waden Branch

The subcommittee meeting was called to order by Keith Tisdell, RAB member and Subcommittee Leader, at 6:00pm. In attendance at the meeting were Melita Rines, RAB member, Charles Dacus, RAB member, and Lea Loizos, Community member. Topic on the agenda: (1) reviewing the RAB membership application.

Lea Loizos, from ARC Ecology had submitted her RAB membership application for review. She is a staff scientist at ARC Ecology. The previous ARC Ecology member, Chris Shirley has stepped down from the RAB and based on this information, Lea's application was unanimously accepted for approval.

- ***Motion to the RAB – Accept the membership application for Lea Loizos, ARC Ecology under the Environmental Organizations category. This category total will remain at 5.***

Community Based Non-profit	Environmental Organizations	Local Businesses	Resident "at large"
Barbara Bushnell (R.O.S.E.S.)	Lynne Brown (Communities First Coalition)	Lani Asher (Artist on the Shipyard)	Marie Franklin
Charles Dacus (R.O.S.E.S.)	Karen Pierce (HEAP)	Maurice Campbell (New Calif. Media, SF Bayview)	Kevyn Lutton
Helen Jackson (All Hallows Gardens)	Lea Loizos (pending RAB approval) (ARC Ecology)	Marie Harrison (Green Action)	Keith Tisdell
Jesse Mason (Bayview Advocates)	Ahimsa Sumchai (Health & Env Resource Center)	Mitsuyo Hasegawa (JRM & Assoc.)	
Sulu Palega (HP Boys and Girls Club)	Ray Tompkins (BVHP Coalition on the Env.)	J.R. Manuel (JRM & Assoc.)	
Dorothy Peterson (Shoreview Residents Assoc.)		Lellani Wright (JRM & Assoc.)	
Melita Rines (India Basin Neighborhood Assoc.)		Georgia Oliva (Artist on the Shipyard)	
Caroline Washington (Network for Elders)			
Category Total	Category Total	Category Total	Category Total
8 (Full)	5	7	3

The meeting adjourned at 6:25pm.

Minutes from the Technical Subcommittee Meeting 02/19/03

Anna Waden Library

6: 00 pm

Attendees: Charles. Dacus, Keith. Forman, Lynne. Brown, Kevin. Lytton, Maurice. Campbell, David DeMars, Lea. Liozos, James Morrison, Keith. Tisdale, Barbara. Bushnell

1. Parcel A—The HRA needs to be concluded and there are unresolved methane issues related to the parcel E methane remediation as it is adjacent to A.
2. Parcel B—Study underway including waterfront, and Significant Pier studies/Removal. Handout from undated recent memo & Map (attached) with area of concern noted by “*” On map.

Relates concerns about the metals, pesticides, and PCB's at potential concern levels (IR-07). Discussed reevaluation of TCE (trichloroethylene) by EPA, Navy will wait for the experts to agree on the standards to remain in compliance.

Water contamination level are being studied no reports available yet.

Much discussion about the SFRA, Baycat, and the Shipyard Conveyance agreement

3. Parcel C: City of San Francisco “MAQ's” (must answer questions) due 1/23/03? — No SF action
4. Parcel: City of San Francisco “MAQ's” due 1/09/03? ?—no SF action
5. Parcel E—Gas remediation appears to be going well. There was a good discussion about the landfill and the existence of monitoring wells on the shoreline (no data to view yet.) There are many monitoring wells, which indicate the ground water is not contaminated.
6. Parcel F—Water data will be in consideration also with B, C, D, & E. Recommend that the Tech Subcommittee spend time reviewing groundwater studies (to be published soon). It was pointed out that although Parcel F (the water) is last to be resolved in the programmed FFA all other parcels are adjacent to SF bay—these are major concerns and studies are going on now.

No Data?

This public summary summarizes information presented in the document referred to below. Neither the document nor the public summary has been reviewed by the regulatory agencies.

Public Summary: **Draft Addendum to the Field Sampling Plan for Confirmation Sampling and Analysis Plan Parcel B Remedial Action Hunters Point Shipyard, San Francisco, California**

This document summarizes the "Final Sampling and Analysis Plan (SAP) for the Parcel B Shoreline Investigation at Hunters Point Shipyard (HPS), San Francisco, California." The U.S. Department of the Navy (Navy) initiated the Parcel B shoreline investigation SAP to obtain additional soil data to support remedial activities at Parcel B.

Background: The Navy conducted excavation activities adjacent to the Parcel B shoreline at Installation Restoration (IR) Sites 07 (IR-07) and IR-26 to remove contaminants from the soil without threatening the integrity of nearby structures and shoreline protection. Several excavations were halted before all contaminated material could be removed due to potential intrusion of water from San Francisco Bay and loss of stability in the existing riprap. As a result, several excavation sidewalls adjacent to the shore contain concentrations of analytes that exceed current cleanup goals for Parcel B soil. Analytes of potential concern remaining at the shoreline interior include metals, pesticides, and polychlorinated biphenyls (PCB). Petroleum hydrocarbon compounds also were detected. Data collected during the investigation will be used to determine whether analytes are present in the shoreline area at concentrations exceeding Parcel B cleanup goals.

Parcel B Shoreline Investigation: The Parcel B shoreline investigation will be conducted in Fall 2002 and will consist of collection and analysis of soil samples from the shoreline area of Parcel B.

Next Steps. The Navy will use soil data obtained during the shoreline investigation to determine whether analytes are present in the shoreline area at concentrations exceeding Parcel B cleanup goals. If concentrations of metals, pesticides, PCBs, or TPH-extractables exceed cleanup goals, then those analytes will be identified as analytes of concern and additional sampling and analysis may be proposed to determine further action.

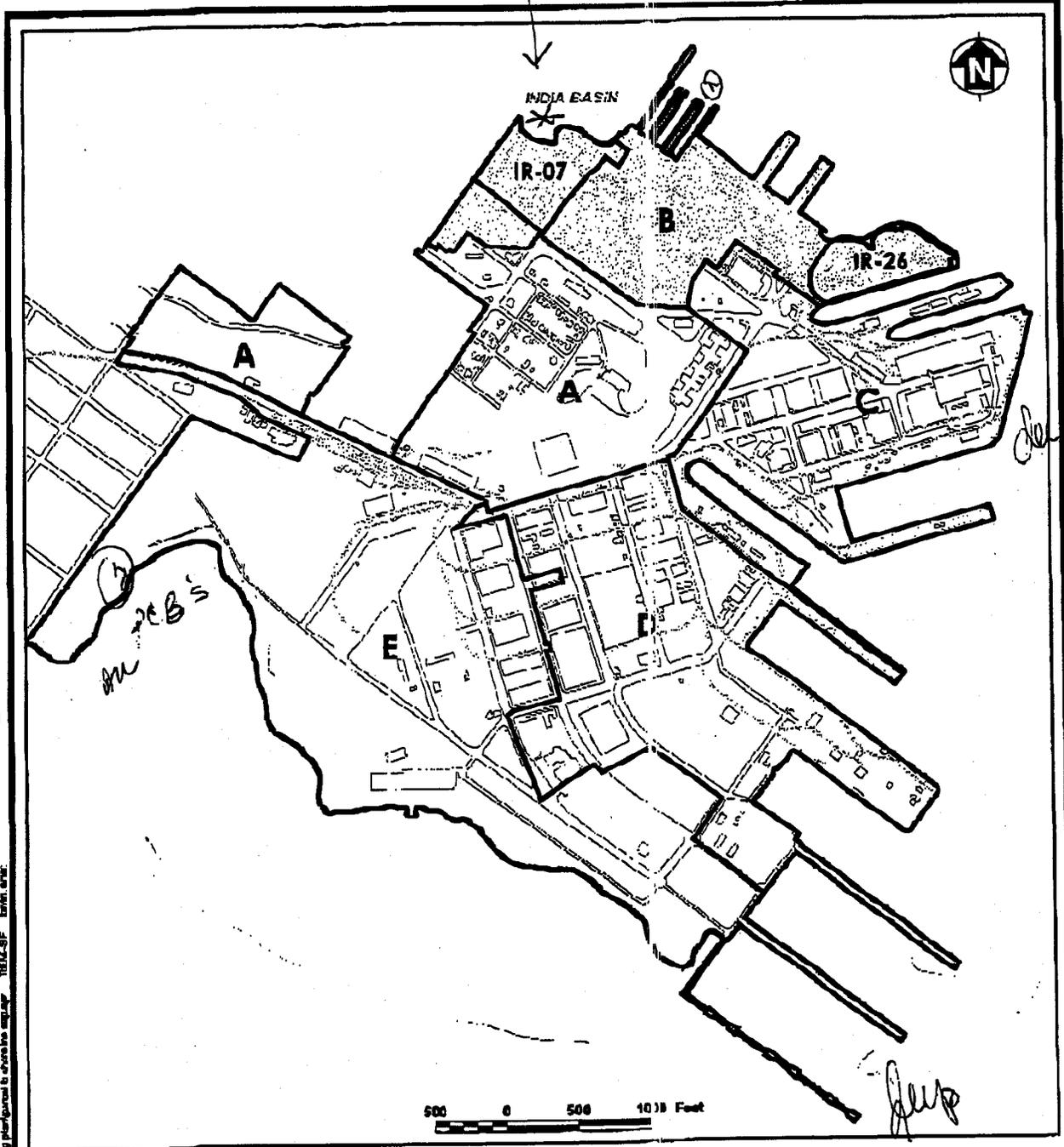
Information Repositories: A complete copy of the SAP for the Parcel B shoreline investigation is available to members of the community at:

San Francisco Main Library
100 Larkin Street
Government Information Center, 5th Floor
San Francisco, CA 94102
Telephone: (415) 557-4500

Anna E. Waden Library
5075 Third Street
San Francisco, CA 94124
Telephone: (415) 715-4100

The SAP is also available to community members upon request to the Navy. For more information about environmental investigation and cleanup at HPS, contact Mr. Keith Forman of the Navy at (619) 532-0913 (telephone), (619) 532-0995 (fax), or formaniks@efds.w.navy.mil (e-mail).

* AREA OF CAMBEN



02-15-2002 09:15:00 AM 1044-SF 1044-SF 1044-SF 1044-SF

LEGEND:

- IR SITE BOUNDARIES
- PARCEL BOUNDARIES
- BUILDINGS
- RAIL LINES
- ROADS
- IR INSTALLATION RESTORATION

Tetra Tech EM Inc.

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA

FIGURE 1
PARCEL B LOCATION MAP

Arc Ecology

833 Market Street ♦ San Francisco, California 94103

phone: 415 495 1786 ♦ fax: 415 495 1787 ♦ e-mail: lealoizos@mindspring.com

February 27, 2003

Subject: An Open Letter to the Hunters Point Shipyard RAB

On February 25, 2003 Ms. Ahimsa Sumchai distributed a letter regarding Arc Ecology to a number of officials and individuals involved in the cleanup of the Hunters Point Shipyard and Restoration Advisory Board. While Arc Ecology rarely responds to letters of this sort, out of respect for the RAB, the hard work of the individuals involved in the cleanup process, and in the general interest of public transparency we are providing a formal response to the confused and confusing allegations and misrepresentations presented in Ms. Sumchai's letter.

1. Status of Ms. Loizos' membership on the RAB.

Ms. Sumchai makes the comment that Ms. Loizos assumed the leadership of the RAB's TRC without having been approved by the full RAB as a member. On both points we would disagree with Ms. Sumchai. First Ms. Sumchai seems to be confused as to the status of Arc Ecology's involvement in the RAB. Since the RAB was founded at Arc Ecology's request in 1993, we have held an organizational seat on this body to which we were recommended by Congresswoman Nancy Pelosi, then Mayor Frank Jordan, and the Chair of the San Francisco Board of Supervisor's Base Closure Committee Kevin Shelly. Since that time four Arc staff members have represented us to this body: myself, Dr. Donald Meyers, Ms. Christine Shirley, and now Ms. Loizos. Arc Ecology's organizational involvement as a member of the RAB is consistent with both general DOD RAB Guidance as well as Navy implementing guidelines, and constitutes one of the categories of membership for the RAB. Thus, the change experienced by the RAB was not in our status as members of this body, but rather with the individual representing Arc to the RAB. Furthermore, Arc's attendance has been unflinching, participating in some 110 RAB meetings over the last decade.

As to the issue of the leadership of the Technical Review Committee, Arc has made no assumption that we would continue to chair this committee; although we are willing to continue to serve in that capacity. It is our belief that the most important attribute for this position is competence and we have every faith in Ms. Loizos. Since Ms. Sumchai mentioned Parcel E, I would like to point out that in December, Ms. Loizos completed the writing of a summary report on the status of information and procedural review regarding the landfill. The report was compiled under Ms. Shirley's supervision and has been looked over by the City, Regulators and the Navy. As far as I understand, the Report has been well received and is considered a fair and technically accurate representation of the facts at hand. Having represented Arc Ecology on the Mare Island and Alameda RABs for over a year, Ms. Loizos has demonstrated her competency to our satisfaction as well as the satisfaction of the regulators overseeing those cleanups. We would be happy to provide references for Ms. Loizos.

2. Stability of the Position of TRC chairpersonship

Ms. Sumchai makes the point of the importance of stability within this position and we could not agree more. Aside from the Navy, the EPA, the DTSC, no other entity has been more consistently involved in the cleanup of the Shipyard - not even the City. For the past twenty years Arc Ecology has helped the BVHP community understand and participate in the decisions affecting their health and well being regarding the Shipyard. For the last eight years, Chris Shirley has represented Arc Ecology on the RAB, for the last seven she has chaired the RAB's TRC; from Arc Ecology's point view we believe that attending monthly RAB meetings for a decade and BCT meetings for eight years constitutes reliable stable service. Indeed, Arc Ecology's presence on the RAB represents one of the longest consistent community technical assistance programs addressing base closures in the nation and we are the only entity to have served on the RAB consistently since its inception.

3. Chris Shirley's unannounced departure from the RAB was conducted in a manner that was unprofessional and undiplomatic

I agree that it was unfortunate that Chris was not able to notify the RAB about her departure in person. But while that would have been preferable from our point of view, and Arc would have certainly been happier with more time to close out Chris' work, the fact of the matter is that she has the right to pursue her own career. Chris found another job at twice the wages we were able to pay her, with better working hours, but unfortunately was given only two weeks to conclude her responsibilities to us. These are the simple circumstances of the marketplace. To be held responsible for changes people make to meet their objectives in life is akin to being held responsible for the weather.

We also object to the characterization that Ms. Shirley's departure was handled in an unprofessional manner. During the two weeks prior to Chris' absence, she moved rapidly to orient Lea and get her ready for the tasks she was to be responsible for. As luck would have it, we were already in the process of training Lea to undertake the job of Community Technical Services coordinator for the Windows project, so in actual fact the transition has been rather seamless.

Once again I must state that thus far I have gotten nothing but good reports about Lea's work. As a result I must reject the notion that anything unusual or irresponsible occurred as a result of Chris' new opportunity. We at Arc are grateful for the time she spent with us contributing her substantial skills at the tremendously discounted salary this organization was able to afford during her stay.

4. The expectation that an ARC representative will continue as leader of the TRC is totally outside of sound judgment and is fully motivated by the organizations political and conflict of interest financial gain.

This comment is just plain silly. Arc receives no financial benefit from serving as TRC committee chair. The status has not helped our fundraising nor has it resulted in an increase in any other source of income. It is important to keep in mind that Arc Ecology chairs RAB TRC's at both Mare Island and Alameda as well. At one point we additionally chaired the technical committee of the Treasure Island RAB. All these chairpersonships have afforded us is the ability to demonstrate the faith and support that RABs and communities around the Bay have in our technical staff, and anyone individually would be sufficient demonstration for our funders. Nevertheless our technical prowess stands on its own. Our staff enjoys the confidence of our peers and

the regulatory agencies. This confidence is neither enhanced nor diminished by our status on the committee. As to our nefarious political agenda and conflict of interest: Arc Ecology's sole agenda with regard to the RAB and the cleanup is that the community have a voice in the decisions affecting their health and environment, and that the remedial response be Proposition P compliant.

5. I would like the membership and bylaws committee and the TRC committee to force full financial disclosure from ARC with regard to its conflict of interest city funding and political bounty it is reaping from the Mayor's Office of the City and County of San Francisco.

As a nonprofit corporation, Arc Ecology's financial reporting is open to the public as a matter of course. Individuals wishing to look at these statements are welcome to make an appointment. We expect our latest federal tax filing to be available on-line shortly on Guidestar.com.

However we have no problem with transparency. In so far as the bounty we have been reaping from the City and State, these funds are also a matter of public record:

SFDoE: Arc Ecology has a three-year contract with the San Francisco Department of the Environment to develop, staff and maintain a public information clearinghouse and an educational program in the Bayview on the Shipyard's cleanup. A portion of this contract thus far has been subcontracted out to the Bayview Community Advocates for the use of their offices on Third Street and project support. In return for SFDoE's funding, Arc Ecology has commented on every cleanup document available for our review, attended over 40 public meetings providing insight and expertise on the cleanup of the shipyard, and has provided an environmental scientist to focus on the Shipyard. We have outfitted a public information library on the cleanup, provided a computer for public access, a TV linked to the computer to play environmental cleanup training video's (and to use for larger presentations) and we have assigned one of our staff scientist to staff the Window site two days a week. Working together with the Community First Coalition we helped change the strategy for methane treatment on Parcel E; with funding from the DoE we have put together a community briefing paper on the landfill, which is being distributed in the community, the report is the first comprehensive approach to educating the public on the very complex landfill issue. And this is only a portion of what we've done and the impact we have had. If we were a DoD contractor, the bills would be five times what we are charging for half the amount of product.

CALFED: Arc Ecology is the Fiscal Agent of a six organization, 2 year contract to develop a wetlands rehabilitation strategy for Yosemite Slough. Through our partners and subcontractors Literacy for Environmental Justice, the Golden Gate Audubon Society, and the University of San Francisco we are employing 20 neighborhood high school students conducting wildlife and plant surveys and water quality sampling from Yosemite Slough. Through our partners and subcontractors the Bayview Community Advocates and Clean Water Fund we are attempting to compile a cultural history of the Yosemite Watershed including how the community used the resource documenting what was lost through the development of the Navy base and Candlestick Point to provide the basis for restoring Yosemite Slough. Finally together with our partner and subcontractor The Alliance for a Clean Water Front, we are attempting to address the sewage outfall and overflow problems impacting the slough and the neighborhood. Two

of the six project partners are BVHP based organizations, setting our neighborhood partnership rate at 33% - a much higher local contacting rate than the Navy and most City projects.

MOED: Finally, over the course of the Spring and Summer, Arc Ecology was under contract with the Mayor's Office of Economic Development to chair a focus group on the Shipyard conveyance package. This focus group was charged with helping the City ensure that the contents of the agreement came as close to the desires of BVHP residents regarding cleanup as could be obtained in a negotiation with the Navy. This contract involved chairing two-two hour meetings a week for six months, administering and distributing information, and compiling reports. Furthermore, this contract was the only such focus group in our memory to actually provide its BVHP residents with a stipend.

As a result of the projects, our partnerships, overhead and other costs, Arc currently realizes annually somewhat less income than the combined earnings of two legislative aids to members of the San Francisco Board of Supervisors. Furthermore, because each of these contracts are reimbursement based, we must first loan the money to the respective agencies in the form of carrying out our programmatic obligations, and have the results approved by them, before we are refunded for our expenses. The additional costs of having to raise enough money sufficient to underwrite these projects for our contracting agencies is not included in either the DoE or MOED agreements.

None of these activities however constitute a violation of any actual or common ethical or conflict of interest practice. The Window project disseminates information about the cleanup, which is obtainable by Arc independently from the RAB. The Yosemite Slough project is a state grant and the Shipyard poses only one of a number of factors impacting the health and quality of the South Basin. The contract bypasses all of the City agencies involved in the Shipyard, so our involvement in this issue was of no consequence to the award. The State awarded us the contract because of the strength, credibility, and prestige of the organizations collaborating in the project.

6. Arc Ecology Executive Director Saul Bloom is an appointee of Mayor Willie L. Brown to the Citizens Committee on the Hunters Point Shipyard, a body that advises the Redevelopment Agency on the Shipyard development.

I would appreciate seeing the information upon which Ms. Sumchai bases her claim that I was appointed to the Hunters Point CAC by Mayor Brown: Because I was an appointee of Mayor Jordan. My tenure on the CAC began three years before Mayor Brown took office, and I am concerned that inaccurate information may be circulating. I am however pleased that Mayor Brown has valued my participation enough to continue my membership on that Committee. The primary difference between our participation on the two committees is that I was appointed as myself to the CAC, whereas Arc Ecology was originally appointed to the RAB. To my knowledge being a member of the CAC does not pose a conflict of interest.

7. Bloom has actively advocated the transfer of Parcel A, despite his prior allegiance to Proposition P, and has worked with Brown, Supervisor Maxwell and Jesse Blout of the MOED to advance the transfer.

The above is also a matter of public record. I have long been an advocate for the transfer of Parcel A provided that it meets Proposition P criteria. I have also stated on

From: "ahimsa sumchai" <asumchai@hotmail.com>
>>To: formanks@efdswnavfac.navy.mil
>>Subject: Interim Leadership - Technical Review Committee HPS RAB
>>Date: Mon, 24 Feb 2003 01:26:42 +0000

Dear Mr. Forman,

I want to express my concern that there be stable leadership for the Technical Review Committee of the RAB during the vacuum left by the abrupt departure of Christine Shirley from the RAB Board. Historically and in many jurisdictions, RAB's evolved from Technical Review Committees and the HPS TRC has played a central role in monitoring the Parcel E landfill and the extent of toxic cleanup at HPS.

I am aware that efforts are underfoot to seat an individual representing ARC Ecology as the chair of the TRC despite the fact that she has not been voted onto the RAB. This individual attended the meeting of the Radiological subcommittee held in January and announced herself to be a RAB member although I had never met her.

I have specific concerns that I will pressure the RAB to seek full disclosure on. I feel that Christine Shirley's unannounced departure from the RAB was conducted in a manner that was unprofessional and undiplomatic. The expectation that an ARC representative will continue as leader of the TRC is totally outside of sound judgement and is fully motivated by the organizations political and conflict of interest financial gain.

Should ARC Ecology's representative seek to the chair the TRC I would like the membership and bylaws committee and the TRC committee to force full financial disclosure from ARC with regard to its conflict of interest city funding and political bounty it is reaping from the Mayor's Office of the City and County of San Francisco.

Namely, I am prepared to show the following facts:

1. Arc Ecology Executive Director Saul Bloom is an appointee of Mayor Willie L. Brown to the Citizens Committee on the Hunters Point Shipyard, a body that advises the Redevelopment Agency on the Shipyard development. Bloom has actively advocated the transfer of Parcel A, despite his prior allegiance to Proposition P, and has worked with Brown, Supervisor

Maxwell and Jesse Blout of the MOED to advance the transfer.

2. Arc Ecology currently receives grant funding from several city sources including the Department of the Environment for a State funded, city allocated project to monitor the Parcel E landfill. Additionally, Arc received grant funding for a window on the Hunters Point shipyard and is rumored to have received funding from the Mayor's Office of Economic Development.

The TRC leadership needs to be directed by an individual without financial conflict of interest and verifiable political and monetary gain from HPS cleanup activities. I believe this is most in keeping with the spirit of the RAB.

Respectfully,
Ahimsa



CLEAN 3 Program
Bechtel Job No. 23818
Contract No. N-68711-95-D-7526
File Code: 0216
IN REPLY REFERENCE: CTO-007/0363

April 3, 2003

Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Ms. Karen Rooney, Code 02R1
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: Public Information Materials/Restoration Advisory Board (RAB) Meeting for
27 February 2003 for the Hunters Point Shipyard

Dear Ms. Rooney:

Enclosed for your files, please find copies of the Public Information Material Packet for the Hunters Point Shipyard, Restoration Advisory Board meeting held on 27 February 2003. This Public Information Material Packet contains the final Reporter's Transcript from that meeting.

If you have any questions, please contact me at (415) 768-9917 or Angela Williams, at (619) 744-3007.

Very truly yours,


Janet L. Argyres
Project Manager

JLA/lsh

Enclosure



BECHTEL ENVIRONMENTAL, INC.

CLEAN 3 TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-95-D-7526

Document Control No. CTO-007/0363

File Code: 0216

TO Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Ms. Karen Rooney, 02R1
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: April 3, 2003
CTO #: 007
LOCATION: Hunters Point Shipyard

FROM: *Janet L. Argyres*
Janet L. Argyres, Project Manager

DESCRIPTION: Public Information Materials/Restoration Advisory Board (RAB) Meeting
for 27 February 2003

TYPE: Contract Deliverable _____ CTO Deliverable _____ Other: X
(Cost) (Technical)

VERSION: N/A REVISION No: 0
(e.g., Draft, Draft Final, Final, etc.)

ADMIN RECORD: Yes No U.S. EPA Category _____ Confidential _____
(PM to Identify)

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