

Hunters Point Shipyard
Installation Restoration Program
Public Information Materials

March 22, 2001
Public Meeting/Restoration Advisory Board Meeting
Held at Bayview Police Station
San Francisco, California

Materials/Handouts Include:

- Agenda for March 22, 2001 RAB Meeting/Minutes from February 22, 2001 RAB Meeting
- Reporter's Transcript of the March 22, 2001 RAB Meeting
- Monthly Progress Report, February ~~2000~~ 2001
- Radiological Affairs Support Office (RASO) Radiation Handout
- Handouts Supporting Maurice Campbell's Presentation of the USGS Seismic Report
- Flyer Announcing Meeting with District 10 Supervisor Sophie Maxwell

Materials/Handouts to RAB Members Only

- Proposed Amended HPS RAB By-Laws
- Table 1 – Current RAB Members, Attendance Sheet from August 2000 – March 2001
- Table 2 – List of RAB Membership Applicants (applications on-file/provided to Richard Mach, Navy RAB Co-chair)
- Completed Applications from RAB Member Applicants
(**Confidential** – completed applications not included in this packet)

Standard Handouts Not Included in this Packet:

- HPS List of Acronyms and Abbreviations
- HPS Mailing List Update Form
- HPS RAB Membership Application Form
- Fact Sheets 1 through 3
- HPS, Environmental Cleanup Newsletters 1 through 3

**HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD (RAB) - MEETING AGENDA
MARCH 22, 2001**

Day/Date:
Thursday – March 22, 2001
Time:
6:00 p.m. to 8:00 p.m.

Location:
San Francisco Police Department
Bayview Station Community Room
201 Williams Street
San Francisco

Facilitator: John Scott, Business Development, Inc. (BDI)

Time	Topic	Leader
6:00 p.m. - 6:10 p.m.	Welcome/Introductions/Agenda Review	John Scott <i>BDI</i>
6:10 p.m. - 6:20 p.m.	<ul style="list-style-type: none"> • Approval of Meeting Minutes from January 25, 2001 and February 22, 2001 RAB meetings • Announcements 	John Scott
6:20 p.m. - 6:25 p.m.	Community Reports	Dorothy Peterson <i>Community Co-Chair</i>
6:25 p.m. - 7:05 p.m.	Entire HPS program status update – Cont'd Parcel F <ul style="list-style-type: none"> • Ecological Assessment • Human Health Assessment Basewide Petroleum Program	Richard Mach <i>Navy Co-Chair</i>
7:05 p.m. - 7:15 p.m.	BREAK	
7:15 p.m. - 7:25 p.m.	Discussion of USGS Seismic Report November 20, 2000	Maurice Campbell (Community Resident)
7:25 p.m. - 7:55 p.m.	Risk Assessment Issues	Raymond Tompkins (Community Resident)
7:55 p.m. - 8:00 p.m.	Future Agenda Topics	John Scott
8:00 p.m.	Adjournment	John Scott

HPS web site: <http://www.efdswnavfac.navy.mil/dep/env/pages/hpoint.htm>

RAB Navy Contact: Mr. Richard Mach (619) 532-0913 or toll free (866) 281-5605

- - - PUBLIC NOTICE - - -
HUNTERS POINT SHIPYARD
Restoration Advisory Board Meeting

◆ ◆ ◆
Thursday, March 22, 2001, 6:00 to 8:00 p.m.
Bayview Police Station - Community Room
201 Williams Street, 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. Standard updates and discussion topics at the upcoming meeting will include community reports and Parcel B cleanup update. This meeting will feature the following activities and presentations:

- ◆ Wrap-up of Base-wide Parcel-by-Parcel Status Update
- ◆ Discussion of USGS Seismic Report, November 20, 2000
- ◆ Risk Assessment Issues

The interested public is welcome!

◆ ◆ ◆
For more information about this meeting and the Installation Restoration Program at Hunters Point Shipyard, please contact:
Mr. Richard G. Mach, Jr., BRAC Environmental Coordinator
Southwest Division Naval Facilities Engineering Command
1230 Columbia Street, Suite 1100, San Diego, CA 92101
(619) 532-0913 or toll free (866) 281-5605

HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD MEETING MINUTES
FEBRUARY 22, 2001

These minutes summarize the discussions and presentations from the Restoration Advisory Board (RAB) meeting held at the Bayview Police Station (201 Williams Street) between 6:00 p.m. and 8:00 p.m. on Thursday, February 22, 2001. A verbatim transcript was also prepared for the meeting and is available in the Information Repository for Hunters Point Shipyard (HPS) and posted on the HPS web page at <http://www.efds.w.navy.mil/dep/env/PAGES/hpoint.htm>. The list of agenda topics is provided below. Attachment A provides a list of attendees.

AGENDA TOPICS:

- 1) Welcome/Introductions/Agenda Review
- 2) Approval of Meeting Minutes from January 25, 2001/Announcements
- 3) Community Reports
- 4) Entire HPS Program Status Update
 - Parcels D and E**
 - Radiation Cleanup
 - Parcel E**
 - Soil Investigation
 - Landfill Cap
 - ATSDR Evaluation
 - Parcel F**
 - Ecological Assessment
 - Human Health Assessment
- 5) Basewide Petroleum Program
- 6) Other Items
 - Community Concerns
 - Discussion of United States Geologic Survey (USGS) Seismic Report, November 20, 2000
- 7) Future Agenda Topics
- 8) Adjournment

MEETING HANDOUTS:

- RAB Meeting Agenda/Public Notice – February 22, 2001 RAB Meeting
- RAB Meeting Minutes – January 25, 2001
- Hunters Point Shipyard, Environmental Cleanup Newsletter, October – December 2000
- Hunters Point Shipyard, Environmental Program Status, January 25, 2001
- Fact Sheet, Hunters Point Shipyard Parcel E Landfill Fire, Agency for Toxic Substances and Disease Registry (ATSDR), January 2001
- Monthly Progress Report, December 2000
- Monthly Progress Report, January 2001
- HPS List of Acronyms and Abbreviations
- HPS Mailing List Update Form
- HPS RAB Membership Application Form
- Fact Sheets 1 through 3
- HPS September 2000 Newsletter

Welcome/Introductions/Agenda Review

Mr. Richard Mach, BRAC Environmental Coordinator and RAB Navy Co-chair, brought the meeting to order at 6:05 p.m. He introduced and welcomed Mr. John Scott as the new meeting facilitator. All in attendance made self-introductions.

Reminder: The next RAB meeting will be held on Thursday evening, March 22, 2001, from 6:00 p.m. to 8:00 p.m., at the Bayview Police Department Community Room.

Approval of Meeting Minutes from January 25, 2001/Announcements

The January 25, 2001 RAB meeting minutes were not approved by RAB members. Ms. Marie Harrison, RAB member, initially made a motion to approve the minutes with the exception that there were some omissions. Mr. Raymond Tompkins, RAB attendee, agreed that there were omissions in the minutes and cited topics proposed at the January 2001 RAB meeting as future agenda items that were not included in the minutes. Ms. Harrison withdrew her motion to approve the minutes.

Mr. Mach said that the meeting minutes were intended to serve as a summary of the main topics discussed at the RAB meetings. He said that there is a transcript available on the HPS RAB web page and at the Information Repository for a verbatim account of topics and discussions that occurred. Mr. Scott suggested that the minutes be updated to include the points that were made at the last meeting that were omitted. Mr. Mach requested that written comments be submitted within the next two weeks so that he could address the comments and revise the minutes before presenting the revised January 25, 2001 meeting minutes at the March 22, 2001 RAB meeting for approval. The RAB agreed to this proposal. **Follow-up – No comments were received as of March 14, 2001. Therefore, no changes have been made to the January 25, 2001 meeting minutes.**

Regarding tonight's agenda, Mr. Tompkins said that his presentation of risk assessment has not been included. He said this topic was to coincide with his presentation to the RAB on the USGS liquefaction report. Mr. Mach told the audience that he had met with Ms. Dorothy Peterson, RAB Co-chair, Mr. Tompkins and Mr. Maurice Campbell, RAB attendee, in a separate meeting weeks after the January 25, 2001 RAB meeting to hear Mr. Tompkins' proposal for the presentation. Mr. Mach said that at that meeting, he and Ms. Peterson agreed to place the USGS liquefaction report presentation on the agenda for tonight's RAB meeting but not the risk assessment presentation. Since that meeting occurred outside of the RAB meeting, the discussion was not included in the January 25, 2001 RAB meeting minutes summary. Mr. Campbell requested that the issue of risk assessment be placed on the agenda for the March 22, 2001 RAB meeting. The RAB agreed.

In other announcements, Mr. Mach said that he may now be contacted at the toll-free telephone number listed at the bottom of the agenda, (866) 281-5605. Ms. Peterson said that there was to be a Black History Month celebration on February 23, 2001, at 11:00 a.m., at the Southeast Community Facility, 1800 Oakdale, and invited everyone to attend. Ms. Ena Aguirre, RAB attendee, said that the Project Area Committee is having a community meeting on February 28, 2001, and invited everyone to attend.

HPS Program Status Update

Mr. Mach said that the HPS Program Status Update presentation is a continuation of the overall program status update presentation from the January 25, 2001 RAB meeting. The goal of the presentation was to inform everybody about the vast amount of work that has been done during

the last year and to provide a snapshot of future activities. He said a handout available at the back of the room supplements the information presented tonight and at the January 25, 2001 RAB meeting. Mr. Mach outlined the topics to be covered tonight before turning over the presentation to Mr. David DeMars, Lead Remedial Project Manager.

Parcels D and E – Radiological Removal Action

Mr. DeMars began the list of the evening's presentation topics with radiological cleanup at four areas at Parcels D and E. The cleanup of the four sites began in early February 2001, and the excavation of all four sites is nearly complete. Mr. DeMars said that the majority of the sites are the result of spills that occurred in the past. Mr. DeMars showed photographs of the sites and the cleanup activities. The first site was called the "peanut spill" due to the shape of the spill. The excavation covered an area approximately 15 feet by 5 feet and approximately 2 feet deep. Mr. DeMars said that the second site, a sump area in Building 364, was the largest cleanup of the four sites. This was due to the surprise discovery of an approximately 30-inch thick concrete bottom to the sump. To ensure that the thick concrete bottom did not cover an underground storage tank or other vessel, the Navy cored through the concrete and collected samples of the gravel below. Mr. DeMars said that nothing significant was discovered. At the remaining two sites, Buildings 529 and 707, the extent of the excavation was approximately 5 feet by 5 feet and approximately 1 foot deep. All of the soil excavated from the four sites is currently being stored in approximately 20 large metal "roll-off" containers with lockable lids. If confirmation samples of soil from within the excavations are determined to be below the cleanup criteria, the sites will be backfilled with clean soil and the roll-off containers will be individually loaded onto trucks and transported out of the area to a disposal facility in Utah. Further information is presented in a Navy fact sheet published in December 2000.

Ms. Jill Fox, RAB member, asked why the number of trucks had increased to 20, from the 12 that were stated in the fact sheet. Mr. Mach replied that this was due to an increase in the volume of soil and concrete that has been excavated. The fact sheet was based on an initial estimate of 12 trucks but the Navy has removed more soil than initially planned. Ms. Georgia Olivia, RAB attendee, asked where the roll-off containers were being stored. Mr. DeMars replied that they were in Building 211. Mr. Olivia also asked if the Navy monitored for uranium-235 (U235) and if any U235 has been detected. Mr. DeMars replied that he did not know if monitoring was done for U235, but the on-site contractor was required to take daily air monitoring samples and the contractor had not reported any detections of U235. Dr. Ahimsa Sumchai, RAB attendee, read aloud from page 3 of the work plan where it stated that detected soil concentrations of three radionuclides, including U235, exceeded the U.S. EPA decay-corrected preliminary remediation goals. Dr. Sumchai said that she expected Mr. DeMars and Mr. Mach to know this information and be better able to respond to such questions. Mr. Mach said that while he and Mr. DeMars cannot know every facet of the activities and reports, he would look into any question raised at the RAB meeting that he was unable to answer. He reinforced his earlier statement that the main focus of tonight's presentation was to provide an overview of cleanup progress at the entire shipyard. If more detailed presentations are requested from the RAB regarding specific projects, the Navy would ensure the appropriate experts are available to discuss all of the project specifics.

Mr. David Garvich, RAB attendee, asked why the excavated soil was going to be shipped by truck instead of rail, citing that rail shipment was less expensive. Mr. DeMars replied that removal of radiological material at Department of Defense sites is managed under a U.S. Army contract. That contract specified many of the procedures that the Navy is required to operate

under when addressing radiological material. Mr. Mach added that since the material has not yet been removed, the Navy might be able to research alternative modes of transporting the materials if it saves money.

Ms. Lani Asher, RAB attendee, asked who was supervising the Navy contractors in the field, and if there was a representative from that agency present to answer questions. Mr. DeMars replied that Navy personnel oversee the contractors working at the shipyard. He added that the U.S. EPA specialist who monitors radiological sites was out at the site the week prior to the RAB meeting but was not present at tonight's meeting. A RAB attendee asked if the Navy could qualify or provide an analogy regarding the level of radiation at the excavations. Mr. Mach said that the Radiological Affairs Support Office (RASO) has a document that lists several common, everyday sources of radiation. Mr. Mach said that he would try to provide copies of this chart at the next RAB meeting.

Mr. Tompkins asked what level the sites were being cleaned up to. Mr. DeMars replied that the sites were being cleaned to industrial levels. Ms. Harrison asked if the radiation moves through the soil due to rainfall or surface water infiltration. Mr. Brad Job, Regional Water Quality Control Board (RWQCB), explained that radionuclides are very stable in soil under normal conditions and tend to remain in place. Ms. Harrison asked if the Navy notified any of the tenants located near the sites prior to excavation at these sites. Mr. DeMars replied that businesses and residents adjacent to the excavation sites were notified, and that the contractors continuously monitored for dust. Ms. Peterson asked if the number of workers at the radiological removal sites increased in proportion to the number of roll-off boxes. Mr. Mach replied that there was no increase in the number of workers employed, only the duration of the job was lengthened. Ms. Olivia asked if the results of the laboratory samples, specifically any reference to U235, would be made available to the public prior to removing the roll-off containers from the shipyard. Mr. Mach replied that the Navy would make the results of the waste characterization samples available prior to shipping the waste offsite.

Post-recess Discussion

After a short recess, Mr. Scott called the meeting back to order. He requested that people preface questions by stating their name and speak louder so that the court reporter could get the information recorded accurately. Mr. Scott recommended that the presentations on Parcels E and F on the agenda should be moved to the March 22, 2001 RAB meeting because of time constraints. Ms. Harrison said that the Parcel E and F presentations were carry-over topics from the previous RAB meeting and, therefore, should be presented. Mr. Scott concurred.

Mr. Scott asked if there were any outstanding questions from the previous presentation. Dr. Sumchai requested that the issue of air sampling and results of radiological monitoring be revisited at a future RAB meeting so that the Navy could reassure the community that there are no toxic gasses or ionizing substances being emitted from the shipyard. Ms. Olivia asked if the medical results of the field workers' urine tests would be made public and cited a *New York Times* article that said U235 is first detected in urine. Mr. Mach replied that it was his understanding that the medical records are classified but he would check on this issue. Mr. Tompkins asked for clarification on how deep the concrete boring was at the Building 364 sump site. Mr. DeMars said that the coring was approximately 33 inches. The concrete bottom was approximately 30-inches deep and the boring continued several inches into the gravel below. Mr. DeMars said that field instruments did not detect any radioactivity in the gravel so the boring was terminated.

Parcel E – Soil Investigation/Landfill Cap/ATSDR Evaluation

The next topic on the agenda was Parcel E. Mr. Mach presented information on the status of the soil investigation. He said that the Navy is currently reevaluating the existing soil data before proceeding with cleanup. Once the reevaluation is complete, a work plan will be submitted to regulatory agencies on March 7, 2001. A number of addendums will follow that will address specific issues at Parcel E, including landfill gasses, seismic evaluation of the landfill, and investigation of a former pistol range. These documents will be submitted to regulators by March 31, 2001.

Mr. Mach said that the landfill cap at Parcel E is approximately 90 percent finished but that the recent rainy weather has interrupted the completion of the final soil cover layer. Results of subsurface monitoring indicate that the smoldering at the landfill has stopped and there is no evidence of continued smoldering.

Ms. Harrison asked how the landfill samples were being collected. Mr. Mach replied that soil gas samples were collected using existing groundwater monitoring wells and an air monitoring probe that was installed in a former smoldering area. Ms. Harrison also asked if there were any gasses escaping from the around the landfill cap. Mr. Mach replied that there were no gasses escaping. Ms. Fox asked what security measures were being taken to prevent future fires and asked what efforts are being taken to cover the bare soil to minimize dust. Mr. Mach replied that they are repairing fences and installing warning signs all around the landfill. He also said that the landfill cap will be hydroseeded once the rains stop. Mr. Campbell asked for clarification regarding the inconsistent soil gas sample data reported on the Navy web page. Mr. Mach replied that some of the sample results indicated that ambient air was being draw into the monitoring wells during sampling. He said that the web page was a few weeks old and that the information presented at tonight's RAB meeting was the most current information available. Mr. Tompkins asked how much the sample results varied from location to location. Mr. Jim Robbins, IT Corp, replied that the results from one well to the next varied by less than 10 percent. Mr. Mach added that all of the results would be available in a closeout report.

Mr. Mach said that two ATSDR reports presenting the conclusions of their independent assessment of the landfill fire were supposed to have been mailed to the entire HPS mailing list, but ATSDR was experiencing difficulties with their printer. He said they hoped to have the problem resolved by the week following tonight's RAB meeting.

Other Items

Mr. Keith Tisdell, RAB attendee, made a brief presentation to the RAB members expressing community concerns. He expressed frustration and said that the Navy should work more closely with the community to help build trust and alleviate concerns.

Mr. Tompkins' presentation of the USGS Seismic Report was moved to the March 22, 2001 RAB meeting. Mr. Campbell will make the presentation so that Mr. Tompkins can make a presentation on risk assessment methodologies.

Mr. Mach said that during the break he was handed a completed RAB member application from a person in the audience. Mr. Mach said that he was made aware that there are several additional completed applications on-file with the Navy's community relations contractor, who was holding the applications until the next scheduled RAB membership term. Under the current RAB by-laws concerning new membership, the next open term is scheduled for July 2001. Mr. Mach

proposed amending the by-laws to allow voting for RAB member approval as they are collected and that the completed applications be collected and presented to the RAB for a vote at the March 22, 2001 RAB meeting. Ms. Espinoza said that amendments to the by-laws require a majority approval and that the proposed changes must be submitted in writing prior to a vote. Ms. Fox said that the two issues of amending the by-laws and voting for new RAB members should be placed on the March 22, 2001 RAB meeting agenda.

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 <http://www.efdswnavfac.navy.mil/dep/env/PAGES/hprt.htm>

- Mr. Jesse Mason, RAB attendee, said that he would like to see the Navy be more proactive in encouraging their contractors to hire local community members for work in and around the shipyard.
- Ms. Asher said that it was unacceptable that U.S. EPA and New World Technologies representatives were not present at the RAB meeting to answer questions.
- Mr. J.R. Manuel, RAB attendee, stated the reasons he believed the Navy was using trucks to remove the excavated soil instead of rail. He said that trucking hazardous material reduces the number of times it must be handled, therefore, reducing the risk of spills or further contamination. He also said that he believed the increased number of trucks speeds up the material removal from the shipyard.
- Mr. Tisdell asked if Mr. Mach was aware of an explosion at the shipyard at approximately 11:30 p.m. on February 21, 2001. Mr. Mach replied that he was not aware of any explosion.
- Mr. David Gavrich, RAB attendee, asked about the cleanup of radium dials buried at the shipyard. Mr. Mach said that the contractor in charge of the radiological removal at Parcels D and E will be surveying the area where the dials are buried.
- Mr. Tompkins asked if contractors monitored for Radon gas during the excavation under the radiological removal action at Parcels D and E. Mr. Mach replied that they did not monitor for Radon gas. He added that during previous surveys of the four sites, Radon was not detected.
- Ms. Harrison requested a list of the RAB members who did not want to move the location of the RAB meetings. Mr. Mach said that a list of current RAB members would be prepared as well as a list of applicants for consideration as RAB members.

Future Agenda Topics

Three topics, the Parcel F Update, Basewide Petroleum Program, and the USGS Seismic Report, were moved to the next RAB meeting due to extensive questions. Next month's RAB meeting agenda will include these three topics listed above, the standard agenda topics, and the following topics that were mentioned during the RAB meeting:

- Risk Assessment Methodologies
- HPS RAB By-laws Amendments
- RAB Member Application

There were no further announcements. The meeting was adjourned at 8:10 p.m.

**ATTACHMENT A
FEBRUARY 22, 2001 - RAB MEETING
LIST OF ATTENDEES**

Name	Organization
1. John Scott	Business Development, Inc.
2. David DeMars	Navy, Lead Remedial Project Manager
3. John Pelosi	NAVSEA
4. Tom Pinard	BRAC PAO
5. Lee H. Saunders	Navy, Public Affairs Officer
6. Richard Mach	RAB Navy Co-chair
7. Dorothy Petersen	RAB Community Co-chair
8. Charles L. Dacus, Sr.	RAB Member
9. Jill Fox	RAB Member, India Basin Neighborhood Association
10. Marie Harrison	RAB Member, San Francisco Bayview Newspaper
11. Laurie Espinoza	RAB Member
12. Caroline Washington	RAB Member
13. Brad Job	RAB Member, Regional Water Quality Control Board (RWQCB)
14. Christine Shirley	RAB Member, ARC Ecology
15. Chein Kao	RAB Member, Department of Toxic Substances Control (DTSC)
16. Jacqueline Lane	RAB Member, U.S. EPA
17. Patricia Ryan	DTSC
18. John Chester	San Francisco Health Department
19. Ronald Keichline	Bechtel National, Inc.
20. Carol Raykowski	Bechtel National, Inc.
21. Michael Wanta, P.E.	Tetra Tech EM Inc.
22. Carolyn Hunter	Tetra Tech EM Inc.
23. Douglas Davenport	Tetra Tech EM Inc.
24. Jennifer Ronk	Tetra Tech EM Inc.
25. Tom Shoff	Tetra Tech EM Inc.
26. James Robbins	IT Corporation, Project Manager
27. John Wakabayashi	Geologic Consultant
28. David Gavrich	Waste Solutions Group
29. Jesse Mason	Bayview-Hunters Point Community Advocates
30. Maurice Campbell	New Bayview Newspaper, New California Media
31. Raymond Tompkins	Bayview Coalition on the Environment
32. Lynne Brown	Communities for a Better Environment
33. Lani Asher	Communities for a Better Environment, Artist
34. Georgia Olivia	Communities for a Better Environment, Artist
35. Chuck Pardini	Levine Fricke
36. Kristen Jensen, Esquire	Lennar
37. Bob Hocker	Lennar-BVHP Partners Team
38. Lieutenant Henry Parra	San Francisco Police Department, Training Division
39. J.R. Manuel	India Basin Resident, JRM Associates
40. Shaaron Green-Peace	
41. James Ansbro	
42. Keith Tisdell	
43. Stephen La Plante	
44. Ena Aguirre	
45. Barbara Bushnell	
46. Jerry Elwood	
47. Bud Feria	
48. Lorna Feria	
49. Benny Joyner	

50. Jerry Ogans
 51. Kristy Ouyans
 52. Jim Rodriguez
 53. Ahimsa Porter Sumchai, M.D.
 54. Christine M. Niccoli
- Court Reporter

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4 M E E T I N G
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7 HUNTERS POINT SHIPYARD
8 RESTORATION ADVISORY BOARD
9
10 REPORTER'S TRANSCRIPT
11
12 March 22, 2001
13
14 San Francisco Police Department
15 Bayview Station Community Room
16 201 Williams Avenue
17 San Francisco, California
18
19
20 -----
21 NICCOLI REPORTING
22 619 Pilgrim Drive
23 Foster City, CA 94404-1707
24 (650) 573-9339
25 CERTIFIED SHORTHAND REPORTERS SERVING THE BAY AREA

1 KEN KINNARD, AK Trucking
2 JESSE MASON, Bayview-Hunters Point Advocates
3 JAMES MORRISON, Environmental Technology
4 JERRY OGANS
5 HENRY PARRA SR., Resident
6 CHUCK PARDINI, Levine-Fricke for Lennar
7 JOHN PELOSI, US Navy
8 HANH PHAM, Sheppard Mullin
9 KAREN G. PIERCE, Bayview-Hunters Point HEAP
10 TOM PINARD, US Navy
11 JIMMIE RAY POTTS, Barbary Coast Trucking & Brokers
12 CAROL RAYKOWSKI, Bechtel National, Inc.
13 JAMES H. ROBBINS, IT Corporation
14 JENNIFER RONK, Tetra Tech EM Inc.
15 LEE H. SAUNDERS, US Navy
16 DEV SHUKLA, Innovative Technical Solutions, Inc.
17 DAN STRALKA, US Environmental Protection Agency
18 AHIMSA PORTER SUMCHAI, M.D., BVHP Coalition on
19 Environment
20 KEITH TISDELL
21 CLAIRE TROMBADORE, US Environmental Protection Agency
22 DON WADSWORTH, New World Technology
23 MICHAEL J. WANTA, P.E., Tetra Tech EM Inc.
24 MICHAEL WORK, US Environmental Protection Agency
25 COURT REPORTER: CHRISTINE M. NICCOLI, RPR
C.S.R. NO. 4569

1 FACILITATOR: JOHN SCOTT, Business Development, Inc.
2 CO-CHAIRS: RICHARD G. MACH JR., US Navy BRAC
CAROLINE WASHINGTON, RAB member
3 A T T E N D E E S:
4 ENA AGUIRRE, Resident
5 LYNNE BROWN, Communities for a Better Environment
6 BARBARA BUSHNELL, RAB member, Roses
7 AL CAIN
8 MAURICE CAMPBELL, NEW CALIFORNIA MEDIA, S.F. Bayview
9 DON CAPOBRES, San Francisco Redevelopment Agency
10 DAVID DeMARS, US Navy
11 LAURIE ESPINOZA, RAB member, labor neighbor
12 JILL FOX, India Basin Neighborhood Association
13 DEREK GASKIN, Young Community Developers
14 CERTEP Coordinator
15 DAVID GRACE
16 MICHAEL HAMMAN, India Basin Neighborhood Association
17 MARIE HARRISON, RAB member, SF BAY VIEW NEWSPAPER
18 CALVIN HAYES, Business Development, Inc.
19 LUKE HAYES, Business Development, Inc.
20 BOB HOCKER, Lennar-BVHP Partners Team
21 CAROLYN HUNTER, Tetra Tech EM Inc.
22 DWAYNE JAMES, Young Community Developers
23 ELL JENNISON, Neighbor
24 CHEIN KAO, California Dept. of Toxic Substances Control
25 RONALD KEICHLINE, Bechtel National, Inc.

1 SAN FRANCISCO, CALIFORNIA, THURSDAY, MARCH 22, 2001
2 6:00 P.M.
3 ---oOo---
4 MR. SCOTT: Well, good afternoon. My name is
5 John Scott, and I'd like to welcome everyone to our RAB
6 meeting this evening.
7 I'm going to start with introductions. I know
8 there'll be quite a few people coming in probably as we
9 are in the process of introductions, and I'll just get
10 them to join in.
11 So at this time I'll start to my right. And
12 why don't you . . .
13 MS. TROMBADORE: Hi. I'm Claire Trombadore
14 with the Environmental Protection Agency.
15 MR. WORK: My name is Michael Work. I'm also
16 with EPA, and I'm replacing Sheryl Lauth who was working
17 here with Claire before.
18 I -- Just to let you all know, I've been
19 working at -- in Superfund at EPA since 1990. I worked
20 with a variety of federal facilities -- the Army and the
21 Air Force and the Defense Logistics Agency -- and now
22 I'm working here with the Navy.
23 MR. SCOTT: Why don't we continue around the
24 table, then we'll get the wall.
25 MR. MACH: I'm Richard Mach. I'm the BRAC

1 Environmental Coordinator for Hunters Point Shipyard for
2 the Navy.
3 MR. DEMARS: I'm Dave DeMars. I'm the Lead
4 Remedial Project Manager of Hunters Point for the Navy.
5 MR. KAO: My name is Chein Kao. I work for the
6 State Department of Toxic Substances Control.
7 MS. HARRISON: Marie Harrison, RAB.
8 MS. WASHINGTON: Caroline Washington, co-chair
9 of RAB.
10 MS. FOX: Hi. I'm Jill Fox. I'm a community
11 volunteer representing the India Basin Neighborhood
12 Association.
13 MR. SCOTT: We've got one more person at the
14 table.
15 MR. KEICHLINE: Ronald Keichline, Bechtel
16 National, Community Relations.
17 MR. SCOTT: Great. Why don't we begin here.
18 MR. PINARD: Tom Pinard, BRAC Public Affairs
19 for the Navy, San Francisco.
20 MR. PELOSI: Tom Pelosi, US Navy, Hunters
21 Point.
22 MS. HUNTER: Carolyn Hunter, Tetra Tech.
23 MS. RAYKOWSKI: Carol Raykowski, Bechtel
24 National, Community Relations.
25 MR. HAYES: Luke Hayes, BDI.

Page 5

1 MR. CAMPBELL: Maurice Campbell, New California
2 Media and San Francisco Bayview paper.
3 MR. BROWN: Lynne Brown, Communities for a
4 Better Environment, resident.
5 MS. AGUIRRE: Ena Aguirre, resident.
6 MS. BUSHNELL: Barbara Bushnell, resident.
7 MR. HOCKER: Bob Hocker, engineer Lennar team.
8 MR. POTTS: Jimmie Potts, Barbary Coast
9 Trucking & Brokers, also a resident of San Francisco.
10 MR. SHUKLA: Dev Shukla, Innovative Technology
11 Solutions, Inc., I.T.S.I.
12 MR. ROBBINS: Jim Robbins, IT Corporation.
13 MR. SCOTT: Thank you. I have a couple -- a
14 few people coming in. But before I get them to
15 introduce themselves, let me just let you know that one
16 of the co- -- the co-chairs, Dorothy Peterson, has
17 another commitment, and she -- which she's trying to
18 take care of right now; and if she can, she will join
19 us, but there certainly is a possibility that she won't
20 join us tonight.
21 And another RAB member, I think, we'll give
22 congratulations to, though he's not here to hear it from
23 us, Charles Dacus. I believe tonight is his
24 anniversary, and so he and his wife are enjoying
25 themselves tonight, so certainly we can understand that

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1 and wish him and his wife the best.
2 With that, we have three other people that just
3 joined us.
4 Before we go further, would you please just le
5 us know your names.
6 MR. WANTA: Mike Wanta with Tetra Tech.
7 MR. PARDINI: Chuck Pardini with Levine-Fricke.
8 MR. SCOTT: And one person signing in we'll
9 get.
10 MS. ESPINOZA: Laurie Espinoza, RAB member.
11 MR. SCOTT: Thank you. Thank you all.
12 With that, let's take a look at the agenda.
13 There are a co- -- announcement I -- a couple things I'd
14 like to say about the age- -- the agenda.
15 A couple things were left off of the agenda.
16 That was totally by mistake. It wa- -- it wasn't --
17 wasn't -- wasn't predetermined to do this. Those two
18 items are the revised by-laws, which I believe all of
19 the members of the RAB should have gotten a copy of the
20 revised by-laws because those members of the RAB are the
21 only ones who can vote on those revised by-laws.
22 And the other thing that was left off -- The
23 other item that was left off of the agenda is the
24 applications -- the discussion of applications for new
25 members.

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1 So those two items we can certainly take care
2 of tonight, though they were left off the -- left off
3 the agenda.
4 The rest of the agenda is obviously as follows.
5 We will hopefully be able to approve the RAB Minutes of
6 past meetings. There is community report that we may or
7 may not now get if Dorothy Peterson is not here. I
8 don't think she --
9 MS. FOX: I have one community announcement.
10 MR. SCOTT: You have one? Great.
11 Then we also have Richard Mach to talk to us
12 and finish up on Parcel F that we left off with last
13 meeting. We'll take a break and come back with
14 presentations from Maurice Campbell and Raymond
15 Tompkins. I don't see Ray here right now, but I suspect
16 he'll be here later. And we'll then talk about future
17 topics for next month's meeting and adjourn.
18 So with that, let me turn it over to Richard
19 for a moment to see if -- is any announcements you --
20 you would --
21 MR. MACH: And I have a few follow-ups from
22 last the meeting, action items that we had, and I can do
23 that either now or after approval of the Minutes,
24 whichever you prefer.
25 MR. SCOTT: Okay. Well, then, with that, then,

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1 let's -- let's move into the -- the approval of the
2 Minutes.
3 First of all, I -- I think it might be
4 appropriate at this point to say that to my
5 understanding, the Navy and Richard did not receive any
6 comments about January 25th's Minutes. And therefore,
7 the January 25th min- -- Minutes were not amended in any
8 way.
9 That being stated, I'd like to ask if there is
10 a motion to approve February's Minutes and January's
11 Minutes.
12 MR. MACH: I would like to add one thing. We
13 did vote at the last meeting that anyone would send me
14 comments if they had. We didn't get those. So I didn't
15 amend them.
16 However, we did hear the -- the concerns the
17 community raised about some action items being left off,
18 and so we tried to make a better attempt in the February
19 Minutes of adding all those different things at the end.
20 So hopefully, that -- that was addressed in the concern
21 that was raised. But we're -- you know, we -- we were
22 not going to go back to the January ones because there
23 was a vote, and we left it at that. So just a little
24 clarification.
25 MR. SCOTT: Okay. So do I have a motion to

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1 approve?
2 MS. ESPINOZA: I move to approve the Minutes.
3 MR. SCOTT: We -- we have a motion to approve
4 the Minutes. Are there --? Is there discussion?
5 Question?
6 MS. FOX: Is this for both?
7 MR. SCOTT: For both January and February
8 Minutes, yes.
9 (No verbal response elicited.)
10 MR. SCOTT: Not seeing or hearing any
11 questions, do I have a second?
12 MR. MACH: I'll second.
13 MR. SCOTT: Great. All those in favor of
14 accepting January and February Minutes, please respond
15 by saying, "Aye."
16 THE BOARD: Aye.
17 MR. SCOTT: Those opposed, please respond by
18 saying, "Nay."
19 (No verbal response elicited.)
20 MR. SCOTT: The ayes have it. The meetings
21 are -- The meeting Minutes are accepted for January and
22 February.
23 With that aside, let's move in, then, to --
24 Why don't we wait, Richard, on your
25 announcements and let the community --

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1 MR. MACH: Okay.
2 MR. SCOTT: -- announcement then be made by
3 Jill.
4 Jill, you have some announcements?
5 MS. FOX: I have one announcement. I also have
6 something that I'd like to bring up now so people can
7 think about it as we get through to future agenda
8 topics. And that's that we have --
9 I'm trying to think of ways to solve some of
10 the problems we have had in the last few months at our
11 meetings, so I just thought I'd throw it out here, and
12 we can think about it over the next couples of hours of
13 having a longer time at some point in the meeting where
14 it is specifically community concerns and it is just
15 left blank.
16 And people can come; they have to fill out
17 speaker cards the way you do if you talk to the
18 supervisors meetings or any of the downtown meetings.
19 You get two minutes -- or PAC meetings, Roses meetings.
20 You get two minutes or whatever we determine
21 and that we leave enough time in the agenda for that
22 kind of public access, because putting it on the agenda
23 then sometimes we're waiting almost two months to
24 discuss something.
25 MR. SCOTT: Okay.

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1 MS. FOX: So it's just that.
2 MR. SCOTT: Okay.
3 MS. FOX: The announcement I have is: This
4 past November over 280,000 San Francisco voters said yes
5 to Proposition P. We told the Navy and federal and
6 state regulators that Hunters Point Shipyard must be
7 clean to the highest levels to protect our health.
8 District 10 Supervisor Sophie Maxwell is taking the
9 first step to implement the voters' overwhelming
10 mandate.
11 On March 27th -- that's next Tuesday --
12 10:00 a.m., City Hall, second floor hearing room, there
13 will be a meeting with Sophie and many of the regulators
14 that you see in this room along with representatives of
15 the Navy to discuss making Proposition P city policy.
16 So that's Tuesday, March 27th, 10:00 a.m. City Hall,
17 second floor.
18 MR. SCOTT: Great. Thank you, Jill.
19 Any -- any other community announcements?
20 (No verbal response elicited.)
21 MR. SCOTT: Okay. Before I move to Richard,
22 there was something I neglected to say, so I'd like to
23 take this time to say, especially since more people have
24 joined us.
25 I'm just going to ask as a -- as a point of

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1 courtesy -- and we all recognize this, but sometimes we
2 just don't remember to do it. I'm guilty of it myself
3 many times -- if you have a cell phone or pager, please
4 turn it off. If you have a cell phone or a pager,
5 please turn it off.
6 And the other thing I'd just like to bring to
7 your attention: Everybody seems to have, but I just
8 want to make certain, if you have not sign in -- signed
9 in, please do at some point in time this evening so we
10 can keep an accurate record of who's attended the
11 meeting.
12 Okay. That aside, Richard, comments.
13 MR. MACH: Okay. We had a couple of action
14 items that came out of the last meeting. There was a
15 question from one of the community members here to see
16 if we could put together a chart of some comparison type
17 radiation exposures. And we worked with our
18 Radiological Affairs Support Office, and they went
19 through and looked up all the unbiased sources they
20 could find.
21 And there is about a six-page handout in the
22 back that talks about all the different potential
23 exposures that you receive every day from cosmic rays to
24 naturally occurring soil to a whole bunch of different
25 things, and it's written in fairly good laymen's terms,
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1 I think. So hopefully, that will address the
2 gentleman's question, who I don't believe is here. But
3 we did take care of that, and it is in the back.
4 MR. SCOTT: Excuse me, Richard. Just want to
5 hold that document up again so everybody can make
6 certain they see which document he's talking about?
7 MR. MACH: It's in the back, so --
8 MR. SCOTT: It's in the back --
9 MR. MACH: -- hopefully you had a chance to --
10 MR. SCOTT: -- on the table.
11 MR. MACH: -- pick that up.
12 We did include the revi- -- or proposed revised
13 by-laws, which we'll get to, in the mail to the RAB
14 members, so hopefully we can vote on those.
15 We also included a list of the current members
16 and -- as well as the additional ten applicants for new
17 membership that we had. And as soon as by-laws can get
18 approved, we can move into approving the new members.
19 If you notice on the -- on the front sheet of
20 the current members, there are a lot of people that
21 haven't been here in a whole long time; and if you read
22 the by-laws, it's stated in the old by-laws -- and I
23 didn't change it to the new ones -- that if you have
24 more -- four absences in a row, that you are
25 automatically off the RAB. So we may want to discuss
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1 how to address the people that are on here.
2 MS. HARRISON: Richard, was that part of
3 the --? How'd I miss that?
4 MS. FOX: Came in the little envelope.
5 Are there copies of that?
6 MR. KEICHLINE: Yes, there are.
7 MS. FOX: It came in a second -- there are two
8 mailings.
9 MS. HARRISON: In the mail, okay. No, no, not
10 that.
11 MR. MACH: Right.
12 MS. HARRISON: I was looking for the
13 membership.
14 MR. MACH: I did investigate the report that
15 Keith Tisdell had about an explosion at 11 o'clock on
16 the 21st of February, and we have no records of any sort
17 of explosion at Hunters Point. I checked with the fire
18 department, the police department.
19 There was -- and unfortunately, I was not at
20 the March 9th Emergency Response Plan meeting, but I
21 believe it was the San Francisco either fire or police
22 department said that they thought that it could have
23 been some cannons or other things that they were setting
24 off at Candlestick Park. Does that sound right?
25 MR. PINARD: They were doing some demolition at
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1 Candlestick, but --
2 MR. MACH: Okay.
3 MR. PINARD: -- there was no tie-in with the
4 dates.
5 MR. MACH: Okay.
6 MR. PINARD: It's -- It was indicated by the
7 fire battalion chief, but I don't think the dates
8 correlated. But there's still no --
9 MR. MACH: Okay.
10 MR. PINARD: -- nothing to --
11 MR. MACH: So there was no explosion on Hunters
12 Point that Keith had talked about.
13 And with regard to whether or not the Navy can
14 publish results of urinalysis for the radiation workers,
15 first of all, we could not publish that data. It would
16 be a medical record.
17 Second off, based on the air-monitoring results
18 that were done and the dosimeters that the workers were
19 wearing, they did not have any exposure, so they were
20 not required to take urine tests. So there wouldn't be
21 any data anyways. So that was to close out that item.
22 And that was it from the list of questions that
23 were brought up at the last RAB meeting for us to follow
24 up on.
25 MR. SCOTT: Great. Thank you, Richard.
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1 Questions about --?
2 Yes, Jill.
3 MS. FOX: Well, just about you had brought
4 up -- where are we squeezing in all the other stuff on
5 this agenda?
6 MR. SCOTT: We're going to -- we're going to do
7 that immediately after I see if there's any questions
8 about what Richard just presented.
9 MS. FOX: Okay.
10 MR. SCOTT: Okay?
11 MR. MACH: And I don't need my whole time.
12 MR. SCOTT: Are there questions? Marie?
13 MS. HARRISON: Yeah. You said that the police
14 and/or the fire department didn't have anything on
15 record about this?
16 MR. MACH: They checked all their logs. There
17 was no log of a -- an explosion on the 21st at Hunters
18 Point.
19 MR. TISDELL: H'm.
20 MR. SCOTT: Any other --?
21 Yes.
22 MS. ESPINOZA: The only one that's using a
23 cannon is the XFL games. When they score, they use the
24 cannon. And that's at Pac Bell Park, not at
25 Candlestick.

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1 MR. SCOTT: Okay.
2 MR. MACH: No, there was nothing at Hunters
3 Point.
4 MR. SCOTT: So at least we -- we've had those
5 points answered, whether or not they're fully resolved
6 for us.
7 What I'd like to do right now is move to those
8 two items -- hopefully both of them, certainly one --
9 that were inadvertently left off the agenda that we want
10 to address right now.
11 The first one is dealing with the by-laws,
12 because depending on the results of that discussion, we
13 then can move toward dealing with applica- --
14 applications for new members.
15 Now, again, as I mentioned before, all of the
16 members -- and members only -- received a package of the
17 revised by-laws, and hopefully you've had a chance to
18 read and digest that. And at this point if you have, we
19 simply want to be able to either approve them, not
20 approve them, is basically our two choices.
21 So first of all, let me ask, everyone did --
22 members only did receive the package; is that correct?
23 MS. WASHINGTON: (Shakes her head.)
24 MR. SCOTT: Caroline, you didn't receive a
25 package?

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1 MS. WASHINGTON: No.
2 MR. SCOTT: Okay.
3 MS. TROMBADORE: I got one and I'm not a
4 member.
5 MR. SCOTT: You got one and you're not a
6 member?
7 MS. TROMBADORE: Regulatory member.
8 MR. SCOTT: Okay.
9 MS. TROMBADORE: She -- I'd be happy to give
10 her mine.
11 MR. SCOTT: Okay.
12 Any -- any other members that are here right
13 now that did not get the package besides Caroline?
14 MS. FOX: Well, according to the by-laws, we
15 have to have four -- do we have four community members?
16 MR. SCOTT: You have one, two, three . . .
17 MR. MACH: Four. You have four.
18 MS. FOX: Four, okay.
19 MR. SCOTT: Mm-hmm. So --
20 MS. FOX: So that means we have a quorum.
21 MR. SCOTT: You have a quorum. So it's -- So
22 this quorum can vote to -- to accept the revised
23 by-laws.
24 Do you need a little time?
25 There's some specific things that you might

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1 I want to highlight what those revisions are to bring
2 Caroline up to speed, if we can do that in a brief
3 moment to have that happen.
4 Yes, Marie.
5 MS. HARRISON: I was just going to suggest that
6 we give her a few minutes to review that.
7 MR. SCOTT: Yes --
8 MS. FOX: Yeah.
9 MR. SCOTT: -- absolutely.
10 What I was going to also say, if there were a
11 couple highlight things that might guide her
12 specifically to --
13 MS. FOX: They're --
14 MR. SCOTT: -- changes, that might help as
15 well.
16 MS. FOX: They're in blue on here.
17 MR. SCOTT: Okay, great. Then why don't we
18 give just a few minutes, ask the entire group to give us
19 just a few minutes so that it will allow Caroline to go
20 over this so we can hopefully move this part off the
21 agenda.
22 Yes.
23 MS. ESPINOZA: My question was: How come the
24 by-laws weren't referred to a committee? Why was it
25 solely done, I assume, by Richard only? I'm just asking

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1 before you get shot later, you'll know why.
2 MR. MACH: Well, you know, there was some --
3 When I -- when I reviewed these and I -- and I edited, I
4 tried to minimize the editing as much as possible. I
5 tried to just, you know -- There were some spelling
6 mistakes from before. I tried to fix those and then
7 just change the things that -- that have evolved over
8 the years.
9 One of the things that I picked out and to
10 follow on what -- one of the Jill's suggestions was:
11 This morning -- David had the same thing you had about
12 having more time for community input.
13 One of the things that I had a question about
14 is: Should we possibly try and set up more
15 subcommittees? Because there's a whole section here of
16 subcommittees, and the only one that I'm aware of in the
17 last year that we've ever had in the last year was the
18 TAPP contractor subcommittee, and that's kind of an ad
19 hoc type thing.
20 MS. ESPINOZA: But a committee to have by-laws
21 could be a -- can be made at a -- at a prior meeting on
22 a motion to refer to have -- to have a committee created
23 at that time.
24 MR. MACH: Right, and I have no problem doing
25 that in the future.

1 But at the last RAB meeting, I -- you know, I
2 said, "Would you guys mind if I just went ahead and took
3 a shot at it, send it out?"
4 And everyone kind of said, "Yeah, go ahead."
5 So that's -- you know, no one asked to set up a
6 subcommittee at the time, but I would have no objection
7 to ever doing that, so . . .
8 MS. FOX: I mean, looking through these,
9 basically, the edits have been made. They are very
10 minor, and they are really to bring the by-laws up to
11 the speed of how we have been operating.
12 As far as the subcommittees, they just really
13 haven't worked, as you can see. We actually have a very
14 small group of community regulars. So, like, you know,
15 it would be great, but we just have never really put
16 that into practice.
17 MS. ESPINOZA: So my question was precedence,
18 you know.
19 MR. SCOTT: Okay. Good point. We'll allow
20 Caroline a couple more minutes.
21 MS. WASHINGTON: Okay.
22 MS. FOX: Maybe the people who came in late
23 could introduce themselves.
24 MR. SCOTT: Certainly could. All --
25 MR. GRACE: I'm David Grace and I brought fresh

1 bagels.
2 MR. SCOTT: Thank you, David.
3 Why don't we just go this way since we're doing
4 that. Any newcomers?
5 MS. RONK: I'm Jennifer Ronk from Tetra Tech.
6 MR. SAUNDERS: Lee Saunders, Environmental
7 Public Affairs Officer with the Navy.
8 MR. SCOTT: Any other newcomers on this --?
9 MR. GASKIN: Derek Gaskin, Young Community
10 Developers.
11 MS. PHAM: Hanh Pham, Sheppard Mullin.
12 MR. SCOTT: Are there members on this side?
13 Any new people who joined us along that wall?
14 MR. MASON: Jesse Mason, Bayview Advocate.
15 DR. SUMCHAI: Ahimsa Sumchai, physician.
16 MR. HAYES: Calvin Hayes, BDI.
17 MR. SCOTT: The gentleman at the far end.
18 MR. MORRISON: James Morrison.
19 MR. SCOTT: James Morrison, okay.
20 Great. Thank you.
21 MR. CAPOBRES: I'm Don Capobres, Project
22 Manager, San Francisco Redevelopment Agency, for Hunters
23 Point Shipyard.
24 MR. SCOTT: Don't -- don't even try it, Keith.
25 Tell us.

1 MR. TISDELL: Sneak in. Keith Tisdell. That's
2 all.
3 MS. HARRISON: That's all, huh?
4 MR. TISDELL: That's all.
5 MR. SCOTT: Say that's all; that's enough.
6 Thank you all.
7 The announcements I make to everyone else as
8 well: If you're carrying a cell phone with you or
9 pager, please turn them off. We don't want to disturb
10 others.
11 And just in case, especially since you came in
12 a little bit late, if you didn't want to cause a hassle
13 and you didn't sign in, please do take the time to sign
14 in. We need an accurate record of everyone who is here.
15 And Caroline, when you -- when you're at a
16 point where you feel comfortable, just raise your head
17 or something for me, and I'll know.
18 MS. HARRISON: Somebody's pager?
19 MR. POTTS: It's my watch.
20 Shut up.
21 MR. SCOTT: Noisy watches. Let's get --
22 MR. POTTS: It hasn't done that in years.
23 MR. SCOTT: Yes, sir. You want to --? You
24 just stepped in.
25 MR. PARRA SR.: I just stepped in out of the

1 cold.
2 MR. SCOTT: Oh, you're stepping out of the
3 cold?
4 MR. PARRA SR.: Yeah.
5 MR. SCOTT: Okay. Well, you can let us know
6 who you are anyway.
7 MR. PARRA SR.: Hello. I'm Henry Parra. I
8 live up the street.
9 MR. SCOTT: Nice meeting you, Henry. Thanks
10 for coming in.
11 Yes, Lynne.
12 MR. BROWN: A couple weeks ago the Registry was
13 supposed to give us some information pertaining to -- I
14 don't know, but it was -- the Registry was supposed to
15 give us some information. Was that about the health or
16 something? But we never received it. We never received
17 it.
18 MS. TROMBADORE: ATSDR?
19 MR. MACH: ATSDR?
20 MS. TROMBADORE: Yeah, I just got it myself
21 yesterday.
22 MR. MACH: Yeah. I received mine a couple days
23 ago.
24 What you should be -- for -- Everyone on the
25 mailing list should be receiving this. This is the

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1 two-page fact sheet that they put together, and then
2 people that were interviewed or had questions or
3 concerns that went into the consultation report will
4 receive this entire consultation report; and this will
5 also be made available in the library for -- and if
6 anyone wants a specific copy, we can get it.
7 ATSDR didn't want to make basically 2,000
8 copies of this if most people didn't want it. So they
9 sent fact sheets to everyone and then sent limited
10 copies of this.
11 MR. BROWN: Okay.
12 MS. TROMBADORE: And maybe we'll -- if I could
13 ask -- this is Claire from the EPA.
14 If I could ask the Navy to maybe -- could you
15 make copies for the next RAB and have them in the back?
16 That's really great when you have those in the back.
17 MR. MACH: The fact sheet?
18 MS. TROMBADORE: Yeah.
19 MR. MACH: Yes.
20 MS. TROMBADORE: Would that be all right?
21 MR. MACH: Yes.
22 MR. SCOTT: How are we doing over there?
23 MS. WASHINGTON: Okay.
24 MR. SCOTT: Okay. You at a point you feel
25 comfortable?

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1 MS. WASHINGTON: H'm?
2 MR. SCOTT: You at a point where you feel
3 comfortable?
4 MS. WASHINGTON: Yeah.
5 MR. SCOTT: Okay. Great. All right.
6 Good. With that, then, the mi- -- the revised
7 by-laws being reviewed -- being reviewed by the members
8 only I'm going to ask, is there a motion from one of the
9 members to accept these revised by-laws?
10 Jill?
11 MS. FOX: I move that we accept these revised
12 by-laws.
13 MR. SCOTT: Is there second?
14 MS. WASHINGTON: I second.
15 MR. SCOTT: Caroline, you second. Great.
16 With that in place, let me ask, are there any
17 questions and comments on the by-laws? Questions?
18 Comments?
19 MS. HARRISON: Just a co- -- a question and a
20 comment --
21 MR. SCOTT: Okay.
22 MS. HARRISON: -- just for my own
23 clarification.
24 I bring your attention to No. 8 and just in
25 particular "a designated person and/or a person in its

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1 place." If that is going to be what's going to work for
2 us, then I'd like to let you know that -- then half of
3 the folks on the bottom of the list, the organizations
4 and stuff, if their names appear cannot be removed if
5 I'm here because I belong to all those groups.
6 MS. FOX: No. It's just -- no, no, no.
7 MS. HARRISON: Well, that's what I'm trying to
8 figure out; how is that going to work?
9 MS. FOX: No. What it mea- -- This is going
10 to be our goal. I mean, this is how -- when we set this
11 up the first time -- and it's just kind of dwindled
12 away -- our goal was that there would be -- this nu- --
13 For those of you who have it, it's the bottom
14 of --
15 MS. HARRISON: The very bottom.
16 MS. FOX: It's No. 12 for those of you who have
17 the by-laws at the bottom.
18 There's a chart that says we need four people
19 here from local community organizations, two from
20 environmental organizations, two local homeowners groups
21 or residence councils, two contractor organizations, and
22 then a youth representative, a training organization,
23 and a business on a shipyard, a business in the
24 community, a union organization and religious
25 organization.

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1 They will -- People will fill those slots. If
2 you belong to one or more of those, that's okay. It's
3 just what seat you have on this organization.
4 MR. SCOTT: Right.
5 MS. FOX: But we've never really been able to
6 pull this off.
7 MR. MACH: You know --
8 MS. HARRISON: So let's try.
9 MR. MACH: -- the Na- --
10 MS. FOX: But we want to try again.
11 MR. MACH: When the Navy started establishing
12 RABs back in the '93-'94 time frame, for some reason we
13 had the misconceived notion that these RAB boards would
14 become so huge that we'd have two or three hundred
15 people.
16 So everyone tried to find a way to get
17 representatives of each of these groups. And so, you
18 know, it was tried to, you know, get a working size
19 group of 25 or so people.
20 And so every RAB by-law, charter, mission
21 statement, whatever, that I have ever seen has some form
22 of this in there, and we have never had two or three
23 hundred people that wanted to join any of our RABs. So
24 it was a misconceived notion on our part years ago. But
25 I didn't change it because it didn't really hurt one way

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1 or the other to leave it there.
2 MR. SAUNDERS: I think the phrase on this is
3 that it's the -- it's guidance. It's not --
4 MS. FOX: Right.
5 MR. SAUNDERS: -- a rule that all these
6 organizations be on there.
7 And if you look at the rules of the -- the
8 guidance that was put out by DOD and US EPA for creating
9 RABs, they listed a -- numerous types of organizations
10 that they recommend be on the RABs but are not required.
11 And as Richard is saying, the idea is to try to
12 continually include as many different groups of people
13 and organizations consistently so the community is best
14 represented on there.
15 MR. SCOTT: Great. So with that -- with that,
16 I'm going to ask for a vote, assuming that satisfied
17 your question. Right, Marie?
18 MS. HARRISON: I just needed to clarify --
19 MR. SCOTT: Okay.
20 MS. HARRISON: -- to make sure I was correct.
21 MR. SCOTT: So tho- -- again, only board
22 members can vote, and the board members that are here
23 I'm asking all those in favor of accepting the revised
24 by-laws, please signify by indicating "Aye."
25 THE BOARD: Aye.

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1 MR. SCOTT: Those opposed, please signify by
2 saying, "Nay."
3 MS. ESPINOZA: Nay.
4 MR. SCOTT: One "Nay," three ayes. The ayes
5 have it. The by-laws have been accepted.
6 Now that that is the case, that allows this
7 group, then, to decide whether or not the new -- whether
8 or not today they want to accept the new applications.
9 Before we go any further, let me get
10 clarification. Did the new board members know -- have
11 all -- I mean rather the board members have the
12 applications of the -- of the new -- or proposed RAB
13 members? You do.
14 MR. MACH: Yes.
15 MR. SCOTT: Okay. Great. All right.
16 MS. FOX: There's ten new people.
17 MR. SCOTT: Ten people. Great, great.
18 So with the -- with the revision of the new
19 by-laws, you now have the ability within this meeting to
20 accept these people as new members of the RAB by voting
21 on that today. Okay?
22 All four of you are familiar with all ten
23 people who are proposed as new RAB members?
24 MS. HARRISON: Not yet.
25 MR. SCOTT: Not yet? Okay. Why don't you take

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1 a couple more minutes and take a look at that.
2 MS. FOX: Want me just to go ahead and read
3 their names?
4 MR. SCOTT: Yeah, please. That's fine.
5 MS. FOX: The ten people who have applied
6 are -- and once -- if you're here, why don't you
7 introduce yourself.
8 Mildred D. Thomas-Bruno. She is part of
9 Infusion One.
10 Okay. She's not here.
11 Oh. Richard J. Ganley; lives on Somerset
12 Street.
13 MS. HARRISON: Are you here?
14 MS. FOX: Are you here?
15 No. Okay.
16 MS. FOX: Mi- -- Pardon if mispronounce this
17 name. Mitsuyo --
18 MS. HARRISON: Misu- --
19 MS. FOX: -- Hasegawa.
20 No one here. Okay.
21 Alex Lantsberg.
22 MR. MACH: Not here.
23 MR. SCOTT: He's not here.
24 MS. FOX: He's not here.
25 J. R. Manuel.

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1 MR. SCOTT: He's not here.
2 MS. FOX: Patricia Mitchell. Environmental
3 Finance Region 9. So far, huh?
4 Jim Rodriguez.
5 MR. ATTENDEE: Who's that?
6 MS. AGUIRRE: He's in Europe right now.
7 MR. MASON: He's not here.
8 MR. SCOTT: He's not here.
9 MS. FOX: That means he's not here. He wants
10 to -- Okay. Sorry.
11 The -- Patricia is the Environmental Finance
12 Region 9, and she's also a resident.
13 MS. HARRISON: Okay.
14 MS. FOX: Jim Rodriguez is representing Portola
15 Place Homeowners Association.
16 MS. HARRISON: Por-TOE-la [phonetic] Place.
17 MS. FOX: Or Por-TOE-la [phonetic].
18 ATTENDEE: POR-tola [phonetic].
19 ATTENDEE: POR-tola [phonetic]?
20 MS. FOX: POR-tola [phonetic].
21 Harry H. Shin, Associated Builders.
22 Are you here?
23 MR. SCOTT: No, no, he's not here.
24 MS. FOX: Okay.
25 Ashima [phonetic] Porter --

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1 MS. HARRISON: No. Ahimsha [phonetic].
2 MS. FOX: Ahimsha [phonetic].
3 MS. HARRISON: Ahimsha [phonetic].
4 MS. FOX: Ahimsa, Ahimsa.
5 MR. SCOTT: Ahimsha [phonetic] is here.
6 MS. FOX: Oh, there you are. Sorry. I'm
7 terrible --
8 Yea, one's here.
9 MS. HARRISON: Keith Tisdell.
10 MS. FOX: Bayview Hunters Point Health and
11 Environmental Task Force.
12 And Keith Tisdell.
13 MR. SCOTT: Keith -- Is Keith here?
14 MR. TISDELL: Yeah, Keith is here.
15 MR. SCOTT: There's -- There should have been
16 one more. Am I -- am I --? Did -- did we have Barbara
17 on that?
18 MS. HARRISON: Yes, Barbara Bushnell.
19 MS. FOX: That's all I got.
20 MR. SCOTT: You don't have --? We don't have
21 Barbara's application here?
22 MS. HARRISON: Richard, she did have her
23 application. She handed it to you.
24 MR. MACH: I handed it to you last RAB meeting,
25 Ron.

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1 MR. SCOTT: Yes, Jesse.
2 MR. MASON: Is there any way I can get an
3 application? I'm here. I can't afford to go to Europe.
4 MS. HARRISON: Shucks, and I thought you were
5 sending me.
6 MS. FOX: Yes.
7 And with our new by-laws, we can let people in
8 any time.
9 MR. SCOTT: Any time you want to. So yes, we
10 could get you an application.
11 MR. MASON: There you go. Thank you.
12 MR. MACH: And what -- I know that Barbara
13 handed me her application last month.
14 MR. SCOTT: I remember that as well.
15 MR. MACH: And --
16 MS. HARRISON: I know that Barbara handed it in
17 too.
18 MR. MACH: And it's our -- it's our fault if we
19 misplaced that.
20 MR. SCOTT: So Barbara's included in that, no
21 matter what.
22 MS. HARRISON: It would be two more --
23 MR. SCOTT: Lynne, did you have a question you
24 want --?
25 MS. BROWN: I would like an application also.

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1 MR. SCOTT: Lynne would like an application.
2 So we need at least two -- Two people requested
3 applications tonight, so we want to make certain that
4 Lynne and Jesse get applications. Barbara's application
5 we don't have, inadvertently. That's our -- that's our
6 fault.
7 Barbara, we know that you applied.
8 And Barbara is being thought out in this
9 process with e- -- along with everyone else, okay? So
10 it should be 11 people instead of 10, I guess.
11 MS. FOX: I have a cou- -- two issues.
12 MR. SCOTT: Sure. Go ahead.
13 MS. FOX: One is that I don't think we should
14 vote someone on who isn't present.
15 MR. SCOTT: Okay.
16 MS. FOX: Let's at least start out with a
17 decent attendance record. So I don't -- So I think we
18 should only vote on the people who are present, for one
19 thing.
20 MS. ESPINOZA: Mr. Chairman, I move that the
21 three present should be voted in.
22 MR. MACH: Three.
23 MS. ESPINOZA: Three.
24 MR. SCOTT: Okay.
25 We have a -- we have a motion on the floor that

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1 of the applications presented, the three that are
2 actually present at today's meeting be voted in as RAB
3 members today and, if I just may please to incorporate
4 what Jill just stated, and that any other members in the
5 future can only be -- or will only be voted upon if they
6 are present.
7 Is that -- is that fine to make that part of
8 yours? Okay. If --
9 (Simultaneous colloquy.)
10 MR. SCOTT: I'm sorry, sir?
11 MR. POTTS: How often is that to take place?
12 MR. MACH: That would be monthly.
13 MR. SCOTT: Yeah, it would be monthly. So with
14 the revision of the new by-laws, they can bring people
15 in at any given time.
16 MS. AGUIRRE: Who are three people?
17 MR. SCOTT: So, now, with the -- with the three
18 members you have -- you have, would you -- would you
19 name the three members who are here today.
20 MS. FOX: The three people who are here are
21 Keith Tisdell --
22 MR. SCOTT: Keith, would you please raise your
23 hand, 'cause people -- or stand.
24 Keith is here.
25 MS. FOX: Akimsa [phonetic]?

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1 MS. HARRISON: Ahimsha [phonetic].
2 MR. SCOTT: Ahimsha [phonetic] is here.
3 Please stand if you --
4 MS. FOX: Where's the "h"?
5 MR. SCOTT: And -- and Barbara -- Barbara
6 Bushnell.
7 MS. HARRISON: And Barbara Bushnell.
8 MS. FOX: And Barbara.
9 MR. SCOTT: Okay. Great. So those -- RAB
10 members, those are the three people you're voting on
11 today.
12 May I have a second on that -- on that motion?
13 MS. HARRISON: I second -- I'll second that.
14 MR. SCOTT: Marie has second. Okay. Great.
15 I -- Are there any questions, let me ask? I
16 doubt there. We probably cleared them.
17 (No verbal response elicited.)
18 MR. SCOTT: Great. I'd like the members of the
19 Board -- can only be board members -- to vote on this
20 issue. Those in favor of accepting these three people
21 as new members of the RAB Board, please indicate by
22 saying "Aye."
23 THE BOARD: Aye.
24 MR. SCOTT: Those opplo- -- Those opposed,
25 please indicate by stating "Nay."

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1 (No verbal response elicited.)
2 MR. SCOTT: There are no nays. The ayes have
3 it. We have three new members of the RAB Board: Keith,
4 Barbara, and the doctor.
5 Thank you. Welcome. So you can join us at the
6 table.
7 MS. HARRISON: Are you folks going to join us
8 at the table?
9 MR. SCOTT: Yeah.
10 MS. HARRISON: We still have one more question
11 on the --
12 MR. SCOTT: Yeah, one more question.
13 MS. FOX: I have one -- I have -- now gave me
14 some time, I thought of another issue. Okay. One is
15 that who is going to notify all of these people about
16 that they need to show up in order to get -- Is
17 there --? Are they getting any feedback? Is somebody
18 taking care of that?
19 MS. HARRISON: That they need to be here?
20 MR. SCOTT: That they need to be here.
21 Is that an issue that, I assume either
22 consultant or Richard, you -- how do we want to let the
23 other people know that if they have interest besides the
24 application, they need to be here, and that's the only
25 way you can be voted on?

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1 And I take it, Richard is reading the by-laws
2 to see if --
3 MS. FOX: Maybe our co-chair can --
4 MR. SCOTT: Or community co-chairs can do that.
5 MS. FOX: -- contact.
6 MR. SCOTT: Yes, Keith.
7 MR. TISDELL: I got a suggestion. If it's not
8 too much trouble for 'm to se- -- well, Jill, if your
9 secretary or whatever, you know --
10 MS. FOX: I'm not. I'm not. I'm not.
11 MR. TISDELL: Oh.
12 MS. FOX: I'm not.
13 MS. HARRISON: That's Dorothy's job.
14 MR. SCOTT: Yeah. So --
15 MR. TISDELL: You know, ha- -- you know, have a
16 person designated, you know, you call and -- think
17 everybody got everybody's number.
18 MR. SCOTT: Right. So why don't -- why
19 don't -- let's have -- let's have one person, and -- and
20 so far it's been put on the table to have the co-chair,
21 Dorothy -- Dorothy Peterson, who is not here right now,
22 or --
23 Yes, Caroline.
24 MS. HARRISON: Excuse me.
25 MS. WASHINGTON: What happened to my being a

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1 co-chair? What happened?
2 MS. HARRISON: I have an issue. I have a
3 correction.
4 MR. MACH: When they -- when they had the vote
5 last year, you didn't apply to be a co-chair, and so
6 Dorothy --
7 MS. WASHINGTON: Yes, I did.
8 MS. HARRISON: Yes, she did. Yes, she did.
9 And her -- then immediately behind her, her sister
10 took -- was taken ill. She had to leave. And I know
11 that that was brought up, because I made it a point to
12 let everybody know that she wasn't here for that reason.
13 Then shortly after that her sister died, so she
14 had to go back to New York. And I know -- I know I said
15 that to at least three people in here.
16 But that being said, she did. And I think that
17 she should be reinstated as one of the co-chairs. We've
18 always had more than one.
19 MR. MACH: You guys -- you guys can do what you
20 want on this, and then, you know, we --
21 MR. SCOTT: Okay.
22 MR. MACH: This is the only RAB --
23 MR. SCOTT: Well --
24 MR. MACH: -- I've ever seen that has more than
25 one community co-chair.

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1 MR. SCOTT: Well, here, that should be a real
2 simple issue, especially if the Board has always had two
3 co-chairs.
4 May have I have -- may I have a motion? Will
5 one of the board members make a motion to --? Thank
6 you.
7 MS. HARRISON: I will motion that we reinstate
8 Caroline Washington as co-chair.
9 MR. SCOTT: Do I have a second on that motion?
10 MS. ESPINOZA: I'll second it.
11 MR. SCOTT: Great. Thank you.
12 Are there any questions on that motion,
13 comments?
14 (No verbal response elicited.)
15 MR. SCOTT: Good. Without any questions or
16 comments, the board members only, would you signify your
17 approval of Caroline being rein- -- reinstated as a
18 co-chair by indicating "Aye."
19 THE BOARD: Aye.
20 MR. SCOTT: Those opposed, please indicate
21 "Nay."
22 (No verbal response elicited.)
23 MR. SCOTT: There are no nays. Ayes have it.
24 Caroline is now the second co-chair.
25 With that being the case, can we say now,

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1 Caroline, you would make contact with these other
2 members who have --
3 MS. HARRISON: For those --
4 MR. SCOTT: -- given us applications to let
5 them know if they want to be considered and voted in,
6 they need to be here?
7 MS. WASHINGTON: Okay.
8 MR. SCOTT: Great. Caroline has agreed to
9 that.
10 We have a question from Karen or a comment.
11 MS. PIERCE: It was just a comment that it
12 seems to me that you shouldn't have to tell people, if
13 they want to be involved with something, they need to
14 show up to the meeting. So it seems like that's extra
15 work that you're asking for.
16 A notification to people that they have been
17 accepted is one thing. But if they don't show up to the
18 meeting where they are going to be considered to become
19 a member, I don't think it's required that you let them
20 know that they have to be at a meeting in order to
21 become a member.
22 MR. SCOTT: That's -- that's probably true.
23 But it sounds like we have a board here that would go
24 that --
25 MS. FOX: We're really trying to do a lot of

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1 outreach here.
2 MR. SCOTT: -- extra mile. So we won't
3 discourage them from that, the comment. We won't
4 discourage them.
5 So with that I think we can move to -- yes,
6 yes.
7 MR. SAUNDERS: Well, I have one comment.
8 MS. HARRISON: She has one more thing.
9 MR. SCOTT: Okay. Go ahead. Go ahead.
10 MR. SAUNDERS: And I deal with pretty much all
11 the RABs throughout California, Navy RABs. As Richard
12 says, there's no other RAB that I can think of that has
13 more than two community co-chairs.
14 The by-laws for Hunters Point RAB basically
15 says it's going to be one community co-chair. You can,
16 of course, change that and have two community co-chairs.
17 But your by-laws say one community co-chair.
18 MS. HARRISON: Idealwise, sir, we've always had
19 three, to tell you the truth, but I thought two --
20 MR. SAUNDERS: You got to go by what your
21 by-laws say.
22 MS. HARRISON: Yeah, well --
23 MS. FOX: You know, we'll also vote again in
24 July, so . . .
25 MR. SCOTT: Yeah.

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1 MS. HARRISON: So that will fix the problem.
2 MR. SCOTT: In fact, I think we have a board
3 here that's willing to work this way, so let's not
4 discourage them. Okay.
5 MS. HARRISON: You still have --
6 MS. FOX: I had one more thing.
7 MS. HARRISON: She has one more thing.
8 MR. SCOTT: Yes, yes, yes, Jill, we got to move
9 on. Okay.
10 MS. HARRISON: You have to finish.
11 MS. FOX: It's very brief. And that's that we
12 need to be clear -- This is just a comment to all of my
13 co-RAB members that we need to be clear about people who
14 are applying for the RAB that they are coming in as
15 community members. Therefore, they should not be on the
16 payroll of the Navy or the Navy's contractors.
17 We do have some RAB members who are -- who work
18 for various nonprofits, and so they are here in paid
19 positions, but that's different than being a community
20 member. And we need to be really clear that the
21 community members are not on anyone's payroll.
22 MR. SAUNDERS: I -- I'd just like to feed
23 something into the record just for comment. This is
24 from the DOD rules that were published back in '96. It
25 says:

1 DOD will not limit the ability of
2 community RAB members who have business
3 interests for DOD contracts with proper and
4 appropriate assurances to avoid any potential
5 conflict of interest or issue.
6 Just some information.
7 MS. WASHINGTON: I didn't quite understand
8 that.
9 MR. SAUNDERS: Well, basically, there's no
10 restriction that RAB members cannot be involved with the
11 Navy or contractors. It's not encouraged, but it's not
12 discouraged either.
13 For example, if a member joined the RAB, then
14 later on got involved with business with one of the
15 contractors or the Navy, then there -- there's not a
16 restriction that they can't be involved with the RAB at
17 that point.
18 MS. HARRISON: Excuse me.
19 MS. FOX: There isn't, okay.
20 MS. HARRISON: There -- there isn't a
21 restriction, but I think this Board has taken the notion
22 that then that person -- we're not restricting that
23 person from becoming a member of the Board and then
24 later on getting the contract with the Navy or what have
25 you.

1 What we are going to ask for is that person
2 then recuse itself from voting on any community issues.
3 Anything that takes a community vote, then that person
4 needs to say at that particular time "I am now a paid
5 person under contract with the Navy" or ". . . with the
6 EPA" or however and step aside and then allow the
7 community to make those decisions.
8 We have had enough problems with community
9 folks who have taken on positions but didn't proceed to
10 vote for us that has not been in our best issue, so --
11 interest, so we -- in order for us to eliminate that --
12 I'm trying to say this nicely, you guys.
13 In order for us to eliminate that, period, that
14 we have taken on the fact that no community person who
15 has a contract should -- or with the Navy or any
16 interested party within -- not that we don't want them
17 to have contracts. They can do that. But they cannot
18 then stand and say that they are speaking for the
19 community.
20 MR. SAUNDERS: And I'm just providing this as
21 information. You can make your own --
22 MS. HARRISON: Thank you --
23 MR. SAUNDERS: -- decision --
24 MS. HARRISON: -- very much.
25 MR. SAUNDERS: -- on that one, but I just want

1 you --
2 MS. HARRISON: I do appreciate that, but --
3 MR. SAUNDERS: -- to be aware of that.
4 MS. HARRISON: -- it just gave me an
5 opportunity to let you know why we were bringing that to
6 the front as an issue.
7 MR. SCOTT: Great. Thank you.
8 Richard.
9 MR. MACH: Can we go through the list of
10 current members and --? Some of these people I have
11 never even seen before --
12 MR. SCOTT: Okay.
13 MR. MACH: -- and maybe we can cross these
14 people off, and then we can have an updated list of
15 actually who the RAB members are, and I can make that
16 available at the next minutes.
17 MR. SCOTT: Do all the RAB members, current
18 and -- and brand-new ones today, have a copy of that
19 list?
20 No. Are there -- are there more than one
21 copies, copies to share?
22 MS. FOX: No.
23 (Simultaneous colloquy.)
24 MR. SCOTT: I think right here.
25 MS. FOX: We're sharing.

1 MS. HARRISON: We're sharing.
2 MR. SCOTT: You're sharing over there.
3 Keith, you have a copy you can look at?
4 I need one more over here, because neither one
5 of you have one, right? Do we have one more, one more
6 list somewhere?
7 MR. KEICHLINE: We have one.
8 MR. SCOTT: You have one?
9 Yeah, we're about to get a couple.
10 MS. ATTENDEE: She's --
11 MR. MACH: Okay. Well, I can go -- I was only
12 going to go through the ones --
13 MR. SCOTT: Yeah, please, but I want them to
14 know this.
15 MR. MACH: -- that haven't been here for the
16 last four.
17 MS. FOX: Okay.
18 MR. MACH: Okay?
19 First one is Darnell Blackwell.
20 MR. ATTENDEE: Who's that?
21 MS. ATTENDEE: We don't know.
22 MR. MACH: I know who he is, but he hasn't been
23 here.
24 MS. HARRISON: I don't know who he is.
25 MR. MACH: Okay. So should we just cross him

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1 off?
2 ATTENDEE: Yes.
3 MR. SCOTT: Okay. Any --
4 MR. GRACE: Excuse me. When you say you're
5 crossing him off, are you erasing him from the RAB board
6 member list?
7 MR. SCOTT: Yes, they were off.
8 MR. MACH: Yes.
9 MS. FOX: Yeah.
10 MR. MACH: Per -- per the char- --
11 Per the by-laws --
12 MS. FOX: By-laws.
13 MR. MACH: -- if you're not here for four
14 meetings in a row, you're automatically off. So we're
15 just --
16 MS. FOX: Yeah.
17 MR. MACH: We're just kind of cleaning house a
18 little bit. Now, he's more than welcome to reapply at
19 any time.
20 Okay. The next one -- the next one is Amy
21 Brownell. She's with San Francisco Department of Public
22 Health.
23 MS. FOX: She's had a substitute.
24 MR. MACH: John Chester was her substitute.
25 She is back now from maternity leave. So I say we leave

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1 her on.
2 MS. FOX: Yes.
3 MR. MACH: Anne Marie Cooke from EPA.
4 MS. ATTENDEE: Is she here?
5 MS. TROMBADORE: She's no longer out here on
6 site.
7 MR. WORK: I'm here representing her.
8 MS. ATTENDEE: Okay.
9 (Simultaneous colloquy.)
10 MR. MACH: The next one would be Catherine
11 Fortney.
12 MS. TROMBADORE: Yeah, she's been gone since
13 '96.
14 MR. MACH: Catherine Fortney?
15 MS. TROMBADORE: Where is she?
16 MS. FOX: Air -- Bay Area Air Quality --
17 MR. SCOTT: Bay Area Air Quality --
18 MR. MACH: Most of -- most of these minor
19 regulatory agencies don't attend, and I don't think we
20 need to keep them as RAB members. They're more than
21 welcome to come anytime.
22 But basically, the three big ones are EPA,
23 DTSC, and the Water Board, and they attend. So I say we
24 just delete her.
25 MS. TROMBADORE: You might ask Catherine,

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1 though, because I know when -- like, when Raymond
2 Tompkins did his study, we called Catherine and told her
3 about it. And you might just want to see if she wants
4 to continue to get the Minutes, 'cause I think she does
5 read them.
6 MR. MACH: We won't delete these people from
7 the mailing list.
8 MS. TROMBADORE: Okay.
9 MR. SCOTT: Only as RAB members.
10 MR. MACH: RAB members.
11 MR. SCOTT: Thank you. Okay.
12 MR. MACH: Okay. The next one is --
13 MS. ATTENDEE: Bonnie.
14 MR. MACH: -- Bonnie Fracuza. Okay. Don't --
15 MR. SCOTT: Right under -- right under "Fox,"
16 "Jill."
17 MR. MACH: Okay. Should we delete?
18 Marie Franklin?
19 MS. WASHINGTON: She very seldom comes.
20 MS. HARRISON: She very seldom comes, but she
21 has been here for at least two of the meetings since
22 we've had them. I don't know who --
23 MR. SCOTT: Any recent meetings?
24 MR. MACH: She has -- she hasn't been here for
25 the last six. Delete?

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1 MR. SCOTT: Six meetings. The by-laws say
2 four, so --
3 MR. MACH: Delete. Okay. Mi- -- So same
4 thing for Michael Harris?
5 MS. FOX: Yep.
6 MS. HARRISON: Yeah.
7 MR. MACH: Okay. James Heagy? Hagy?
8 MS. FOX: Yeah, I think he's dropped out.
9 MR. MACH: Okay. Yep.
10 MR. SCOTT: Scratch, yeah.
11 MS. TROMBADORE: How many has he missed?
12 'cause he used to -- he made every meeting for a while
13 there.
14 MR. MACH: We -- we only went back six months,
15 so . . .
16 MS. ATTENDEE: He has missed the last six.
17 MR. MACH: Yeah.
18 Michael Job? I don't know who that is.
19 MR. TISDELL: Never even heard of him.
20 MR. MACH: Michael Martin, he's --
21 MS. TROMBADORE: Sheryl Lauth, obviously.
22 MR. MACH: I'm sorry. She- -- yeah. Sheryl
23 Lauth will be replaced by Michael Work.
24 MS. HARRISON: Michael Work? Because --
25 MR. MACH: Michael Work.

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1 MS. FOX: -o-r-k?
2 MR. MACH: -o-r-k.
3 MS. ATTENDEE: Sheryl Lauth is off, right?
4 MR. SCOTT: Yes.
5 MS. ATTENDEE: Okay.
6 MR. MACH: Michael Martin we would delete.
7 Willie McDowell, delete. Laurie Sullivan, delete. And
8 then the last two, Gwenda White and Karita Zimmerman.
9 And with that we'll add in the three new members.
10 MR. SCOTT: How many --? Do a quick count,
11 Richard, if you please. How many just got deleted, so
12 everybody's the same?
13 MR. MACH: One, two, three, four, five, six,
14 seven, eight, nine, ten, eleven, twelve, thirteen,
15 fourteen, with one of those being replaced, with Sheryl
16 being replaced by Michael.
17 MR. SCOTT: All -- all board members see that?
18 Great.
19 MS. HARRISON: Yeah.
20 MR. SCOTT: Account for all members? Great.
21 Okay.
22 MR. MACH: Okay.
23 MR. SCOTT: Good. And with the today's board
24 members being incorporated in that list, and that's the
25 new RAB Board.

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1 MR. MACH: Great.
2 MR. SCOTT: Great. Okay. Real good. We can
3 probably pull this off.
4 Richard, we can continue with you and talk
5 about Parcel F if you're --
6 MR. MACH: I can. We were so close to being
7 done last time, so I've got 15 Minutes on the agenda,
8 and I can hopefully get through that.
9 Parcel F, as many of you may know, is the
10 offshore parcel. It's essentially 443 acres of
11 submerged land. Essentially, it's part of the San
12 Francisco Bay.
13 There have been -- Various studies have been
14 done out in Parcel F to verify whether or not there is
15 contamination out there. There is contamination in some
16 of the sediment in the offshore parcel, and this has
17 been partially investigated.
18 And we are going back to do additional
19 investigation to look at two things: One is to look at
20 potential risk to ecological, basically clams, critters
21 of the environment. And the second is to look at human
22 health and what potential risks there could be to human
23 health from the contaminated sediment.
24 Now, most of this contamination has probably
25 come from old storm drains and other outfalls that --

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1 you know, the old waste practice is: You kind of d
2 stuff down the drains, and it goes out to the bay and
3 collects in the sediment.
4 There could also be some that has migrated over
5 land based on erosion of a contaminated soil site and
6 has gone into the bay. And there is the -- the
7 potential for some contaminants to actually be in ground
8 water and transported through ground water and through
9 the sediments.
10 The third one is the less likely high-risk
11 stuff because the real high-risk stuff is more of the
12 metals, PCBs, the -- basically the fuel polyaromatic
13 hydrocarbons, which are much less soluble, don't flow
14 with ground water as well. So they probably came either
15 over land more or less or through the pipes.
16 Okay. So for the ecological assessment, we
17 have produced what's called a validation study. In the
18 previous remedial investigation, they looked at
19 different areas on the Parcel F, and there were
20 essentially five areas. There's one off of Parcel B.
21 It's called Area 1. There's another one off the B-C
22 boundary, which is Area 3, and then there are three down
23 off of --
24 MR. ATTENDEE: Can you show us on a map w
25 you're talking about?

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1 MR. MACH: Unfortunately, I don't have a map.
2 MS. TROMBADORE: Did you bring that air photo?
3 MR. MACH: Okay. This is -- this is the base.
4 Parcel F is all this shoreline. Area 1 is here. Area 3
5 is here. Area 8, 9, and 10 are over here.
6 And there were ten areas that were looked at
7 before, but these five were considered requiring
8 additional action, and that's why we're doing the
9 validation study. So those are the five areas that were
10 moved forward.
11 So we have a validation study work plan that
12 has been out for review. We have received comments. We
13 have provided response to comments to the agencies; and
14 within the next, I think, two weeks, we're supposed to
15 have their responses back on our response to comments,
16 and then we will finalize the -- the validation study
17 work plan.
18 And we are getting ready to go out there and
19 start the validation study in May of this year. So
20 we'll be out there collecting samples. We will be
21 looking at the -- the chemistry of the contaminants that
22 are in the sediment, verifying the -- the concentrations
23 that are there.
24 And we'll be doing bioassays. Essentially
25 we're going to look at -- If you put some clams in what

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1 is called the Macoma test, you put these clams in this
2 contaminated sediment, and you leave them there for
3 28 days; then you analyze them, and you see if they are
4 actually taking in the contamination. So is there a
5 pathway for the contaminants to get to an ecological
6 receptor?
7 So all of that work that is outlined in extreme
8 detail, and the validation study work plan will be
9 starting, like I said, in May.
10 We also -- One of the comments that came in
11 was to do a sediment dynamic study. We need to see what
12 happens with the tides. When the -- when the tides come
13 in, you got rains and different things. Where does the
14 sediment go? So you kind of know the whole fate and
15 transport of the contaminants that are in the sediment.
16 So we get a one-month study of the sediment
17 dynamics in the winter in some of the highest tides and
18 the rains to try and see what the worst case is. And we
19 got a report coming out in another week or so that kind
20 of just summarizes what that found.
21 And then we're going to do it again in the
22 summer to see if there's differences between with the
23 way the tides act and the sediment reacts in the summer.
24 And that will be all compared together in the
25 feasibility study that will come out following

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1 completion of all this work. So all this field work is
2 getting ready to start real soon.
3 The second piece is the human health risk part,
4 and there are actually two very distinct pieces to the
5 human health risk evaluation.
6 The first has to do with the uptake of the
7 contaminants from the sediment through the food chain
8 into people. And that -- we're going to use a lot of
9 data that we collect as part of the ecological
10 assessment to actually evaluate how you could be
11 exposed.
12 And we're going to use that Macoma data, that
13 clam data that I talked about, as uptake, because the --
14 the clams are the things that actually sit in the
15 sediment. They are the ones that are the bottom
16 feeders. They -- they process the sediment through
17 them, and so that -- that's where you have the uptake to
18 the food chain.
19 Now, there's also been a concern -- and it's
20 a -- it's a very large concern, and we've heard this --
21 in San Francisco Bay, and it has to do with fish. You
22 know, there is big concern of that in San Diego. Most
23 of the big bays have concerns with fish. And so what
24 we're doing is: We're going to look at collecting a
25 whole bunch of fish off of Hunters Point.

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1 But fish don't normally eat sediment. They
2 don't really -- That -- that isn't a good pathway for
3 them. And so instead of trying to say that just because
4 the fish off of Hunters Point are contaminated, it's
5 from the sediment, we're also going to collect fish from
6 three other areas, clean areas, throughout the bay, and
7 we're going to compare them. We're going to compare the
8 concentration levels of what's in our fish to the other
9 fish.
10 The Regional Board does this a lot. So they
11 have a lot of data for areas where they collect fish on
12 a -- on a regular basis. So we're going to go to some
13 of the areas that they normally collect these clean fish
14 from.
15 So we're going to compare our fish
16 concentrations to all of these other fish
17 concentrations. And if the concentrations in the fish
18 are about the same throughout the bay, we're all at risk
19 if we eat the fish. But we're all equally at risk, and
20 it's not, you know, the fault of the con- -- the
21 sediment on Hunters Point.
22 If, however, we find that our fish are
23 significantly more contaminated than the rest of the
24 fish, then we're going to have to step back and say, Why
25 is that happening? We'll have to do further evaluation.

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1 But we're doing this in a stepwise fashion to look at
2 fish in that manner.
3 MS. BUSHNELL: You're talking about
4 concentrations on heavy metals, right, when you say,
5 "concentrations"?
6 MR. MACH: We're looking at heavy metals. We
7 are looking at PCBs. We are looking at PAHs. We are
8 looking at dioxins. So we're looking at the big risk
9 drivers.
10 MS. TROMBADORE: Pesticides?
11 MR. MACH: Yes. Pesticides were in there.
12 MS. HARRISON: I have a problem in -- excuse my
13 ignorance, but, Richard, you keep using that word
14 concentrated fish in one area.
15 Are you telling me that the fish that's
16 swimming to, say, like, Area 1 only go to Area 1? They
17 don't, like, go out with the tide and wash out in the
18 middle of the ocean and then decide to come around
19 another way and go into maybe Area 8 or 10? I mean, so
20 I just --
21 MR. MACH: I'm not saying that at all. You're
22 actually proving my argument.
23 MS. HARRISON: Well --
24 MR. MACH: It's very --
25 MS. HARRISON: But -- but I have -- I -- Maybe

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1 you aware that something that happened yesterday that
2 really is very landmark. The CDC, the Centers for
3 Disease Control, released a very sophisticated
4 biomonitoring system for human blood and urine, a
5 allows for the detection of 27 substances, 10 to
6 12 heavy metals, pesticides, phthalates, and about three
7 types of tobacco.
8 And what I'd like us to think about doing is:
9 In the event that we do find that the fish that are
10 being analyzed from the Hunters Point region may be more
11 contaminated than the fish in the general bay, I'd like
12 us to consider doing some human biomonitoring of Hunters
13 Point residents for the same sorts of substances that
14 might be detected in the fish.
15 MR. MACH: And I won't commit to that at this
16 point; but if we find that the fish are further
17 contaminated as we start evaluating, we can talk to you
18 about that.
19 DR. SUMCHAI: Sure.
20 MR. SCOTT: Any other questions?
21 Yes.
22 MS. TROMBADORE: I had one thing, like, right
23 in my brain. It just flew out.
24 Well, the first one I just want to say that --
25 I want to remind everyone that at least the Navy has

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1 so. I just -- I need to understand it because I'm
2 going to be asked to explain that. So --
3 MR. MACH: There have been --
4 MS. HARRISON: How you -- how you going to
5 tell?
6 MR. MACH: There are huge debates going on all
7 over the place, and the Navy normally stands very tall
8 and says, "Hell, no, we're not going to collect fish,
9 because they are migratory and you can't link them to
10 the sediment."
11 But because we have heard the concerns so much
12 here, we decided that we're going to not say, "Hell,
13 no." We're going to go out there and try and do
14 something. But we know that the fish migrate around.
15 MS. HARRISON: Okay. So you're going to be
16 testing for the things that you know come off of the
17 Shipyard?
18 MR. MACH: Yes.
19 MS. HARRISON: Okay.
20 MS. BUSHNELL: Not just there but throughout.
21 MS. HARRISON: Throughout the -- throughout the
22 bay.
23 MS. BUSHNELL: Anything that --
24 MR. SCOTT: Dr. Sumchai.
25 DR. SUMCHAI: Well, I -- I just want to make

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1 cleaned out the storm drains. So we shouldn't have
2 ongoing stuff going out there, so I want to remind
3 everybody that they at least did do that in 19- --
4 MR. MACH: '96.
5 MS. TROMBADORE: -- 1996. So that was a good
6 thing, so we won't have to continue to have the stuff
7 coming out there.
8 And if I think of the other thing, I'll raise
9 my hand again.
10 MR. SCOTT: We'll come back to you.
11 Yes, sir.
12 MR. PARRA SR.: Well, she said the Navy cleaned
13 out the storm drains. Exactly what was done? Because
14 once you clean it out, you get all the contaminants in
15 the city going out there again, or what was done?
16 Explain that to me.
17 MR. MACH: There -- there was sediment and
18 other debris that was accumulated in the storm drains,
19 and so we capped off the ends, and we sucked it all out.
20 We didn't just push it out into the bay. We -- we
21 cleaned it out, and we disposed of it off site at a
22 landfill.
23 MR. PARRA SR.: Okay. Now, those are going to
24 be open again, the storm drains?
25 MR. MACH: The storm drains are open, yes.

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1 MR. PARRA SR.: So then you're going to get
2 more contamination from the c- -- the city and streets
3 and whoever dumps oil or anything in the -- in the
4 sewers.
5 MR. MACH: We are -- we are required under the
6 National Pollution Discharge Elimination System, or
7 NPDES, to do regular monitoring of our storm water, and
8 we do that, and we have been in compliance with that.
9 So there is a compliance aspect of storm drains.
10 The problem with the storm drains in the past
11 was: There were no environmental regulations. There
12 was nothing that said, you know, "This is bad stuff.
13 Don't dispose of it out in the back 40, and don't
14 dispose of it down the storm drains."
15 And so with no regulations there to govern
16 anything, people just washed stuff down the drains and
17 down the storm drains. I mean, those practices are not
18 done --
19 MR. PARRA SR.: Okay. So there --
20 MR. MACH: -- anymore unless it's by illegal
21 operators.
22 MR. PARRA SR.: You're letting me know --
23 you're telling me that you cleaned them out --
24 MR. MACH: Yes.
25 MR. PARRA SR.: -- and now they're open again.

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1 MR. MACH: Correct.
2 MR. PARRA SR.: So what I'm trying to figure
3 out is: The City had to go through a huge expense to
4 make holding tunnels so when it rains and all the debris
5 comes off all the sewers and they can't process it
6 through the sewage treatment plant, they got to hold it;
7 and when they get a chance, they will process it, not
8 all of it, because some of it does spill over.
9 So, in other words, you're telling me that
10 Hunters Point is open, and it's just going out the bay.
11 MR. MACH: Hunters Point had some interesting
12 storm and sanitary sewer systems, and they were
13 connected at some point, kind of like the City of San
14 Francisco is right now.
15 But there -- there were disconnections made so
16 that true storm water goes through the storm drains
17 directly to the bay. And there is some that still does
18 go through and get into the sanitary sewer that goes
19 through our -- what we call Pump Station A and then does
20 go to the treatment plant that you're -- you're speaking
21 about.
22 But the predominant amount of our storm water
23 goes through our storm system directly to the bay, and
24 that is what the NPDES permit requirements have us doing
25 monitoring out there for.

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1 MR. PARRA SR.: Okay. I'll take you -- I'll
2 take you at your word for it. But it seems to me,
3 here's a golden opportunity to tie it in and hold it
4 just like the City is required to do by all the
5 government agencies if you're going to improve anything
6 at all. I mean, I'm living in a dream world. Forgive
7 me. But I would say that would be the ideal thing to
8 do.
9 MR. MACH: I'll give you two quick responses:
10 One, the Navy is probably not going to invest a
11 whole lot of money to -- right now to redo the storm
12 drains and tie it into the city's system probably for
13 two reasons:
14 One, we're not sure exactly what the
15 developer's going to do when they take over the
16 Shipyard, and I'm sure they have their own plans as to
17 how they're going to deal with all the storm drains and
18 all the new sanitary sewer requirements.
19 And two, we're not -- you know, because we are
20 in compliance with the -- the Clean Water Act in how
21 we're addressing our storm water, we're not going to put
22 an extra tax on the city's system to send in all of our
23 storm waters to be treated at the plant that you're
24 speaking of.
25 MR. PARRA SR.: Okay. Thank you.

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1 MR. MACH: You're welcome.
2 MR. SCOTT: With that, let me ask, are there
3 any other questions or comments specifically about
4 Richard's presentation on Parcel F? Any --? Was
5 everybody pretty comfortable with that presentation?
6 Yes.
7 MS. ESPINOZA: I just wanted to ask, I know
8 that "F" is made up of stuff that's been dumped out
9 there, as most of the Shipyard was landfill.
10 MR. MACH: Right.
11 MS. ESPINOZA: Is there anything on cleaning up
12 what was dumped out there?
13 MR. MACH: Once we continue with this
14 validation study and determine what the areas of concern
15 are, then we will evaluate what the different remedial
16 alternatives would be; and that would be in the
17 feasibility study.
18 MR. SCOTT: Yes.
19 MR. ATTENDEE: Two -- One quick question. You
20 mentioned the modalities by which the pollution could
21 get into the sediment. But you didn't talk about
22 Shipyard activity, sandblasting, metal cutting, et
23 cetera, that would just naturally fall into the bay. Is
24 that not a source of pollution?
25 MR. MACH: That would be a potential source. I

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1 don't know how much that was investigated, although, you
2 know, a good majority of the sandblasting's actually
3 done in the dry docks; and the dry docks are then, you
4 know, cleaned out. And unfortunately, that's probably
5 what got dumped. You know, some of that could have
6 gotten dumped down through the storm drains as well.
7 So . . .

8 But the majority of what we're talk- -- the
9 majority of the ship-type activities you're speaking
10 about happened on base in the different machine shops,
11 and then that was disposed in several different manners.

12 MR. ATTENDEE: More pertinent question: Will
13 the end use of these areas impact the research that
14 you're doing at this juncture on the level of
15 pollutions? Is that being taken into account, the use
16 of the area at --?

17 MR. MACH: The future reuse?

18 MR. ATTENDEE: Yeah, the reuse of the area.

19 MR. MACH: For -- for pa- --?

20 For the offshore parcel?

21 MR. ATTENDEE: Yes.

22 MR. MACH: I guess, kind of. You know, we're
23 anticipating that -- that the City and the developer,
24 when they actually get into redeveloping, is going to do
25 one of two things. They are either going to tie the

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1 entire system into the current city system in which
2 case --

3 MR. ATTENDEE: I don't mean the storm system.
4 I'm talking about the -- are you investigating the depth
5 of the sediment of pollution, for example? Because that
6 might impact future development potential. If you're
7 going to put in new docks or piers or whatever, you have
8 to do excavation and pile driving, and the depth of the
9 pollution would be a question. Are you investigating
10 the depth of the pollution?

11 MR. MACH: There was some limited depth data
12 that was gathered. I don't have all of that information
13 for you at this time, though.

14 MR. ATTENDEE: So you're just sampling the
15 surface sediments?

16 MR. MACH: No. There was def- -- there was
17 definitely samples taken at depth. I just don't know
18 how deep they actually went.

19 MR. SCOTT: Yes, Marie.

20 MS. HARRISON: Last question for me. We're
21 talking about these sediments that settle in the bottom
22 of the water.

23 MR. MACH: Right.

24 MS. HARRISON: Richard, when the tide comes in
25 and it goes back out, how much of that stuff does it

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1 carry with it?

2 MR. MACH: That's what we did the sediment
3 dynamic study for. I don't have that answer because
4 they're still compiling that data right now. But that
5 is a very important question that we are trying to
6 answer as well.

7 MR. SCOTT: I saw a hand over here.

8 MR. GRACE: Yeah. Two things. Have you
9 disclosed the names of the contractor who will be doing
10 this study?

11 MR. MACH: I have not in this meeting, but the
12 primary contractor doing the work is Battelle. They are
13 very good in sediment work; and they have been working
14 with us for, I guess, about the last year, year and a
15 half.

16 MR. GRACE: And --

17 MR. MACH: I don't know all the subcontractors
18 they have; but, you know, they have to subcontract with
19 boats to go out there and get samples and laboratories
20 and -- for the chemical analysis as well as for the
21 bioassays. But I don't have all those subcontract
22 names.

23 MR. GRACE: Right. And -- and have you
24 disclosed the contract with them, the terms of -- the
25 exact terms of the contract, what they are looking for

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1 as well as the budgeting process, the terms in both
2 senses?

3 MR. MACH: We wrote --

4 MR. GRACE: The --

5 MR. MACH: We -- we wrote a -- scope of work
6 for them. They are the ones who actually wrote the work
7 plan that they are about to implement, and we are
8 funding them based on a cost es- -- cost proposal that
9 they sent us that we evaluated and negotiated to a
10 reasonable cost.

11 MR. GRACE: So, in other words, the research
12 operation put together the specs for the study?

13 MR. MACH: Yes. That's basically how it's
14 done.

15 MR. GRACE: All right. And what time line do
16 they have?

17 In other words, you're expecting to find
18 certain things out there, I would expect --

19 MR. MACH: Right.

20 MR. GRACE: -- just discussing the
21 sandblasting, whatnot.

22 So you said a few minutes ago that you're not
23 going to get started until this study is completed. But
24 you already know that there are certain things out t
25 which are a hazard.

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1 In terms of the specs of the study, how long
2 before you can expect or this Board can expect an answer
3 as well as then when will the cleanup start?
4 MS. TROMBADORE: Well, Richard, you should also
5 mention that we already have a lot of data. This is
6 just additional data, first of all; and then there will
7 be, you know, an update to the current feasibility
8 study. And so --
9 MR. MACH: Right.
10 MS. TROMBADORE: -- we already have a snapshot
11 of what's out there. There were the ten areas of
12 which -- how many is it? -- five look the worst and --
13 MR. MACH: Okay. The draft validation report
14 is due on the 31st of January of 2002. So ne- -- this
15 coming January. And it goes through several reviews:
16 draft final, final.
17 The feasibility -- The draft feasibility study
18 report is due August 21st of '02, and then we will
19 propo- -- be proposing what we think is necessary to do
20 the remediation and proposed plan. The draft proposed
21 plan is due January 2nd of 2003.
22 So any remediation of the site, unless we did
23 an early removal action at some point in the future,
24 would probably be sometime in '04.
25 MR. SCOTT: Okay. I want to take two more

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1 questions; then we need to take a break, okay.
2 Yes.
3 MS. AGUIRRE: Ena Aguirre. I need to
4 stating -- asking you a question. You mentioned the
5 fact that you had hired Battelle before and, you know,
6 whatever the name of -- of the group is that you're
7 hiring.
8 MR. MACH: Okay.
9 MS. AGUIRRE: So my question has to do, this
10 person, then, should have some kind of a background in
11 terms of hiring community people. Do you -- you know,
12 do you have anything that shows a pattern of this
13 company, or whoever they are, of hiring residents at
14 Bayview-Hunters Point to do work that they would be
15 hired to do before by you people? Thank you.
16 MR. MACH: We are encouraging all our
17 contractors to do as much subcontracting and direct
18 local hiring as is possible.
19 MS. AGUIRRE: That's not my question.
20 MR. MACH: The -- the se- -- the sedi- -- the
21 sediment work and the laboratories that are required,
22 most of those technical pieces of the project are not
23 available within Hunters Point, but we are looking at
24 doing some additional outreach within the community to
25 help with this.

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1 Some of the things we're looking at is: We
2 need to go out and collect all these fish. And we can
3 either hire people to go fish, or we could go to local
4 people who fish out there all the time and say, "Can we
5 just buy your fish from you so that we can do some
6 samplings?"
7 We're looking at things like that that we can
8 do to get as much of the cleanup money and the
9 investigation money actually put into the local
10 community.
11 MS. AGUIRRE: Well, my question wasn't
12 answered --
13 MR. MACH: All right.
14 MS. AGUIRRE: -- because either --
15 MR. MACH: You need to restate it for me.
16 MS. AGUIRRE: -- they had a pattern of hiring
17 people or they don't. And you -- I mean, you can say
18 "No, they don't hire people," you know, and that's the
19 end of it. I mean, that is an honest answer.
20 Number two --
21 MR. MACH: Well -- well, let me try and --
22 MS. AGUIRRE: Number two -- No. Wait a minute.
23 The -- the Southeast Community College has a
24 program that has trained people in the community to --
25 to do some of that. Have you looked at any of the

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1 people, or have you called the -- your -- your
2 subcontractor or contractors, or whoever they are, that,
3 you know, environmental technicians want to enter where
4 we're trained and that a lot of them are community
5 people?
6 MR. MACH: Okay. First, Battelle is one of our
7 contractors who's been a contractor for the Navy for
8 many years. They are -- They were only on Hunters
9 Point recently, within the last year and a half or so.
10 So we have looked at their small business, small
11 disadvantaged business requirements, that come under
12 federal law for percent hires that is required. And so
13 they do meet those goals.
14 Second, with respect to having them hire local
15 labor, we have asked them to do everything they can to
16 get as much local labor hired as well as subcontract
17 where available, similar to what IT has done with a lot
18 of the work that they have been able to put into the
19 community. So we -- we are working at all aspects to do
20 that.
21 MR. SCOTT: Okay. Let's have one final
22 question --
23 MS. AGUIRRE: Thank you.
24 MR. SCOTT: -- and take a break, please.
25 Marie.

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1 MS. HARRISON: One? Gee-whiz. Every time I
2 think I got this thing resolved in my head, you come up
3 with something else.
4 I do have a question for you, Richard, but
5 right now, just hold on. I would like to ask my
6 question of Claire.
7 Claire, you said that you have -- already know
8 what's out there pretty much; you have a pretty good
9 snapshot of what's out there right now.
10 MS. TROMBADORE: That's why we did a
11 feasibility study --
12 MS. HARRISON: Okay.
13 MS. TROMBADORE: -- whenever it was.
14 MS. HARRISON: And you said that these were the
15 five worst spots.
16 MS. TROMBADORE: Mm-hmm.
17 MS. HARRISON: And my mind is rolling with this
18 tide coming in and picking this stuff up and taking it
19 out. And therefore, all the -- many years that this
20 thing has been closed, a whole lot of that stuff is
21 spreading out pretty doggone far. So it's reasonable to
22 me that these fish are swimming through this.
23 And I have learned stuff that I really
24 shouldn't have learned -- because it really was
25 interesting to me until I realized that we were eating

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1 that fish -- that a lot of these sediments settle into
2 the fatty tissue of the fish, on the frogs -- and people
3 still eat frogs. I don't know why, but they still do --
4 frog legs and things like that.
5 So can you give us a list of what you know
6 right now is out there? And I don't want you to try to
7 take the time now to explain, because I'm pretty sure
8 that if you have this picture in your mind that there's
9 five sites and the five sites are the worst sites, I'm
10 going to assume that there's a lot of stuff out there
11 already.
12 So if you could bring with you the next time a
13 breakdown of what exactly is out there and what the
14 potential harm to humans are, it would be very helpful.
15 MS. TROMBADORE: Well, I could work together
16 with the Navy to -- I'm pretty sure that the Navy in the
17 past did a public summary of those earlier documents
18 that's already available. So we can bring copies of
19 that, and then maybe we can just quickly touch on what
20 was in maybe the five areas you're looking at if you're
21 interested.
22 Or did you present that at the last meeting?
23 MR. MACH: I did not present it at the last
24 meeting.

25 And like Claire says, I mean, we do have a lot
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1 of the chemistry data from the past. We don't have a
2 lot of the additional data that's needed to show whether
3 or not that -- those contaminant levels actually exhibi
4 a risk. We just know that they are above certain
5 screening criteria.
6 But we -- until we do this ecological
7 assessment to look at the -- like I said, the clams and
8 the other bioassay tests, although there's a lot there
9 or a lot more than other areas, you can't necessarily
10 equate that to a risk requiring cleanup --
11 MS. HARRISON: Well, Richard --
12 MR. MACH: -- so --
13 MS. HARRISON: -- color me stupid, and I'll
14 take that.
15 MR. MACH: Okay.
16 MS. HARRISON: I just really need to know what
17 I'm working from --
18 MR. MACH: Okay.
19 MS. HARRISON: -- if I have to work back with.
20 And if you provide me with this information, believe it
21 or not, I do pick up pretty fast, and then I now have
22 help. I -- We have a doctor. We have folks who are a
23 whole lot better at this than I am that I -- can kind of
24 help tutor me along so that I won't keep asking these
25 questions of you, because I'm going to keep asking those

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1 questions because I need to know.
2 MR. MACH: Okay.
3 MS. HARRISON: So, Claire, can you guys can get
4 together --
5 MS. TROMBADORE: Yeah. I'm sure that --
6 MS. HARRISON: -- and do that?
7 MS. TROMBADORE: Yeah. I know it's been
8 provided at a RAB, but it was a long time ago --
9 MS. HARRISON: Okay. Well --
10 MS. TROMBADORE: -- so if we go back and see
11 what --
12 MS. HARRISON: Yeah, that would really be very
13 helpful for me. Thank you.
14 Now, Richard, question to you, Ena just jumped
15 something in my mind.
16 And I think that it would be very helpful to
17 the community members of the RAB if you were to bring
18 with you or arrange to bring with you from this point on
19 any contractor that you hire to do anything out at the
20 Shipyards, what their hiring records are, how many folks
21 in the community they hire -- I'm sure they have list of
22 those -- how long the duration of their -- of their --
23 of their employment out there and exactly what was
24 that they needed or didn't have so that they did not
25 the job or they did not keep the job would be very

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1 helpful to me; and I'm sure that we won't be asking
2 those questions anymore.
3 MR. MACH: Okay. I can -- I can commit to
4 continue to update the quarterly newsletters with the
5 job information that we have been providing and add any
6 additional contractors that come on the project and what
7 they do as well.
8 As far as getting into who is hired, who is not
9 hired, the exact names, and how long their employed
10 stayed, that that -- that is not allowed under federal
11 law. So I cannot -- I cannot --
12 MS. HARRISON: But he's supposed to tell us how
13 many community -- I don't --
14 MR. MACH: We can tell you --
15 MS. HARRISON: -- care if it's Suzie Q. or Bill
16 Jones or whatever, as long as I know how many actual
17 folks from Bayview-Hunters Point were hired by Tetra
18 Tech, how many actual folks were hired by Marine World.
19 I don't care. You know what I'm saying? I just really
20 would just --
21 MR. MACH: We can give you nu- --
22 MS. HARRISON: That would really help.
23 MR. MACH: We can give you num- -- We can give
24 you numbers and durations.
25 MS. HARRISON: And durations. That would

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1 that -- that a -- community members and a RAB board
2 member particular would like to bring to the attention
3 of this RAB today.
4 So with the consent of the RAB members, I'd
5 like to make that change to the agenda informally. Is
6 that okay?
7 ATTENDEE: Okay.
8 MR. SCOTT: Great. Thank you very much.
9 Then I'd like to conclude with Richard -- or
10 continue, rather, with Richard.
11 MR. MACH: Okay. For the last two RAB meetings
12 and then the start of this one, we tried to give an
13 overview of all of the cleanup projects that are going
14 on on Hunters Point, and everything that's done for
15 cleanup is done under essentially the Superfund law.
16 It's called CERCLA, Comprehensive Environmental
17 Response, Compensation, and Liability Act.
18 Everything is included under that except for
19 petroleum, essentially gasoline and -- and oil or diesel
20 fuel.
21 And so that comes under a program under the
22 Water Board, and so we are investigating the petroleum
23 from underground storage tanks and from gas stations and
24 what have you on the base under that program
25 concurrently with looking at all the other contamination

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1 really help.
2 MR. MACH: We can't give actual names.
3 MS. HARRISON: I -- I don't even care about
4 that.
5 MR. SCOTT: Okay. Great.
6 MS. HARRISON: But that would really help.
7 MR. SCOTT: With that, let's take a break here,
8 and we'll resume later.
9 (Recess: 7:14 p.m. to 7:28 p.m.)
10 MR. SCOTT: Thank you all. Let me bring up two
11 things before we -- before we get started. One, I've
12 been asked by one of the members of the audience today
13 that whenever we're doing presentations, informational
14 presentations, if we could please have some visual in
15 the future, just have some idea about what it is you're
16 talking about. So I wanted to ask that that be a part
17 of future presentations.
18 The other thing I'd like to ask is that I'd
19 like to, with the consent of the RAB board members, make
20 an adjustment to the agenda.
21 One of the agenda items calls for Raymond
22 Tompkins to make a presentation, and Ray is not here.
23 We can then push that off to a future month, and in that
24 place it has been brought to my attention that there is
25 an urgent community concern that would like to be --

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1 under CERCLA.
2 And so Brad Job had done a presentation several
3 months back -- and it was last fall sometime, I think --
4 about some petroleum and a corrective action plan that
5 was being evaluated for Parcel B.
6 And that has been submitted in final format to
7 the -- to the Water Board back in January, and the Board
8 is actually looking at putting it through to their board
9 for essentially adoption a -- as a -- as a resolution,
10 as an approved corrective action plan.
11 And we're already in the field right now
12 starting to implement that corrective action plan to
13 start cleaning up certain levels of the petroleum that
14 are required to be cleaned up.
15 We are about to submit tomorrow the draft
16 corrective action plan for Parcels C, D, and E. And it
17 essentially was exactly the same as Parcel B. We kept
18 the same cleanup levels. All of the things that were
19 agreed to Parcel B we just rolled it into "C," and we
20 looked at all the data on -- I'm sorry -- on "C," "D,"
21 and "E." So the last three parcels, the land-base
22 parcels that need this.
23 So that draft report is coming out tomorrow for
24 review.
25 And essentially that was all I had to say.

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1 MR. SCOTT: Okay.
2 MR. PARRA SR.: Could I answer one question not
3 related to anything that you just said right now?
4 MR. SCOTT: Okay. Hold on a minute.
5 First of all, are there any questions or
6 comments specific to the presentation that was just
7 made? Board members?
8 Yes, Barbara.
9 MS. BUSHNELL: Just a point. When you say the
10 draft will be "coming out" tomorrow --
11 MR. MACH: Yes.
12 MS. BUSHNELL: -- how does that come out? I
13 mean, like, to us is it --?
14 MR. MACH: We have a mailing list that it goes
15 to.
16 MS. BUSHNELL: Will it go on E- -- on the
17 Internet?
18 MR. MACH: We are still trying to develop a
19 full Web page to start putting all documents on. So
20 right now we're not there yet. It does go into the
21 libraries for people to review.
22 MR. SCOTT: Okay. Any other questions?
23 MS. WASHINGTON: Does it come to the members?
24 MR. SCOTT: I'm sorry?
25 MR. MACH: Excuse me?

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1 MS. WASHINGTON: Does it come to the members?
2 MR. MACH: Copies do not go to the members, no.
3 MS. FOX: You go to the library and you --
4 MS. TROMBADORE: Except ARC Ecology. ARC
5 Ecology does get a copy.
6 MR. MACH: Right.
7 MR. SCOTT: Okay. Any -- any other com- --
8 comments or questions specific to Richard's
9 presentation?
10 Yes.
11 MR. GRACE: You just mentioned that copies
12 don't go to the RAB members. I'm just wondering about
13 the budgetary process of that. Is that --? Is there a
14 reason why the board members here are not entitled to a
15 copy, or is that a simple matter of the Navy not wanting
16 to spend for postage?
17 MR. MACH: It's not a postage issue. Most
18 people have not wanted them in the past. I have been at
19 previous RABs where we did submit copies to particular
20 members.
21 We have actually gotten to the point that
22 almost all of our RAB member -- or I'm sorry -- almost
23 all of our distribution list members get their copies on
24 a CD ROM as opposed to the hard copy.
25 And if particular members want particular

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1 documents, you know, we could add you to that
2 distribution list for a CD if you'd like that.
3 But, I mean, some of these documents are huge.
4 So to make hard copies of all that would be very, ve
5 expensive.
6 MR. SCOTT: Yes.
7 MS. TROMBADORE: Just quickly, I think -- I
8 think you've only been on the project for, like, a year.
9 MR. MACH: Right.
10 MS. TROMBADORE: But since 1994 when I was
11 coming to these meetings, people did get copies of
12 everything. In fact, people started complaining that
13 their garages and closets were full of too much stuff.
14 And so the Navy was trying to do just public
15 summaries just to get, you know, the highlights of the
16 material out to folks; and we should -- you know, we're
17 trying to get the Navy back on doing that, and they have
18 agreed to do it; and we need to start doing that more to
19 get at least the public summaries to everybody that
20 wants them.
21 And then anyone who wants a document, really
22 wants it, I'm sure the Navy would be willing to get it
23 to them. It's just basic --
24 The way it was agreed -- and I re- -- I
25 remember that meeting -- was as long as ARC Ecology gets

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1 it, you know, and we feel pretty comfortable that w.
2 just want the public summaries. That -- that's what I
3 recall.
4 MS. FOX: That's --
5 MR. SCOTT: Okay.
6 I saw two hands over here.
7 Okay, Jill.
8 MS. FOX: That's how I remember it too.
9 And also, but I just had a suggestion. Perhaps
10 we can put it as a regular item on the -- the Minutes
11 that go out to everyone that when -- you know,
12 highlighted when a new document has been placed at the
13 libraries in that month so that people who want to read
14 it, you know, could easily identify that there's a new
15 one there.
16 MR. SCOTT: Great.
17 Marie and Caroline.
18 MS. HARRISON: My question was really simple:
19 I didn't realize that you were actually providing them
20 on a CD for folks. I actually would like to have it
21 that way because I don't have time to sit in the library
22 most of the time. And when I review the stuff, it's
23 usually in my bed at night as much as I can; then I'm
24 gone, and I'll finish it the next night.
25 MR. SCOTT: Okay.

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1 MS. HARRISON: So . . .
2 MR. SCOTT: Caroline.
3 MS. WASHINGTON: Okay. You said this is on a
4 CD?
5 MR. MACH: Yes.
6 MS. WASHINGTON: Then we can all get it -- a CD
7 if we call in and get it?
8 MS. HARRISON: No. You --
9 MR. MACH: If you -- if you request -- if you
10 request to be added to the mailing list and to receive
11 CDs, I'll will add you to the list.
12 MS. HARRISON: And Richard, would you mind --?
13 MR. MACH: And then I will add you, Marie, yes.
14 MS. WASHINGTON: I would like to have it.
15 MR. MACH: Okay, and Lynne as well.
16 MR. SCOTT: Okay. And Keith, looks like he
17 wants one as well.
18 MR. MACH: You guys are gluttons, but okay.
19 MR. SCOTT: Okay. So with that, I don't see
20 any other questions or comments on -- no. There was the
21 one.
22 MR. PARRA SR.: No. This is way off --
23 MR. SCOTT: Okay, way off the --
24 MR. PARRA SR.: -- the subject.
25 MR. SCOTT: Yes.

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1 MR. PARRA SR.: I don't want to --
2 MR. SCOTT: Please.
3 MR. PARRA SR.: -- waste your time.
4 MR. SCOTT: Please. Okay. Thank you.
5 With that, Richard, I -- if that's it, then --
6 MR. MACH: I can sit down?
7 MR. SCOTT: Yeah.
8 MR. MACH: Thank you.
9 MR. SCOTT: Okay. What I'd like to do now is
10 open the forum to Maurice Campbell --
11 MR. CAMPBELL: Sure.
12 MR. SCOTT: -- for his presentation.
13 MS. HARRISON: Excuse me. You are putting
14 someone else in Ray's place. So we're adding Ray to
15 next month's calendar?
16 MR. SCOTT: We'll decide that at the end, but
17 yes, that's what I believe we want to do.
18 MS. HARRISON: Who are we putting in Ray's
19 place?
20 MR. SCOTT: Jill and other members want to make
21 the community communicate.
22 MR. CAMPBELL: One of the concerns that came up
23 is liquefaction. And to comply with your -- your
24 information of having a visual, there is a handout, and
25 it has a map on the front. It is -- Unfortunately, the

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1 copy is not in color. But it has the pertinent
2 information.
3 Well, if you skip through to -- about to --
4 past the first section to page 1 and 2 of this, how
5 many -- how many folks here are familiar with
6 liquefaction, and how many are not?
7 Okay. Hopefully, by going through this, this
8 explanation, it will give -- it will bring some
9 consistency amongst the group.
10 What is liquefaction? Liquefaction may
11 occur when water-saturated sandy soils are
12 subjected to earthquake ground shaking. When
13 soil liquefies, it loses strength and behaves
14 as a viscous liquid It's a hydraulic
15 action.
16 In the marina in the last quake, the Loma
17 Prieta quake, what we had is -- from the old landfill,
18 we had cracks, and the subsurface materials were coming
19 up to the surface while some buildings were going down
20 at the same time. That's a pretty common occurrence.
21 Lique- -- "Liquefaction is defined as 'the
22 transformation of a granular material from a solid state
23 into a liquefied state as a consequence of increased
24 pore-water pressure.'" This applies very much to
25 landfill areas, at especially new landfills.

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1 On the next page, it talks about and it gives:
2 Areas of uncompacted fills containing
3 liquefaction-susceptible materials that are
4 saturated, nearly saturated, or may be expected
5 to become saturated.
6 Areas where sufficient existence --
7 existing geotechnical data and analysis
8 indicate that the soils are potentially
9 liquefiable.
10 Well, there was some discussion of this before
11 the November 17th report, which was funded by FEMA.
12 This was a study that this map identified various areas
13 for liquefaction.
14 You will notice that Parcel E and many of the
15 landfill areas at the Shipyard are in this liquefaction
16 zone. Ninety-five percent of the majority of death,
17 injury, and other factors happen in liquefaction zones.
18 What's different about this particular landfill
19 versus many of the areas that they are showing that are
20 subject to liquefaction is: We have VOCs, TOCs, PCBs,
21 chlorine canisters, and other things. We now have a
22 plastic cap on top, I guess, with clay and soil.
23 Do we have any data stating whether a cap,
24 temporary or not, will stand up to any sort of
25 earthquake liquefaction, et cetera, or, as the EPA said,

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1 that it might be too dangerous to remove the landfill
2 because of the exposure it would cause to the residents?
3 Well, there is a report in here that says
4 there's a greater than 65 percent chance -- 67 percent
5 chance that there will be a greater than 7.0 earthquake
6 by the year 2020. That doesn't give us a lot of room.
7 And so I think we have a potential situation
8 where when we have taxed emergency services, we have
9 another situation on hand where if we have either PCB
10 gas, PCBs in the air, we have -- we have -- you have a
11 metal sea wall, I believe, and you get lateral spread
12 from liquefaction also, sometimes 3, 10 feet. So I
13 don't know how well that sea wall will hold up.
14 Basically, we also have in this is: We have a
15 smaller map showing the liquefaction zones which narrows
16 it down even further. And we have a tide map, and this
17 is an outgoing tide which shows -- and that's in yours.
18 It shows the outgoing tide, where it goes out, how it
19 goes out past the Shipyard out through the gate and can
20 affect many other areas of San Francisco.
21 We go even further, and now, this is a little
22 biased. But San Francisco bay wind patterns, this was
23 an active wind pattern, and this was showing a wind
24 pattern, and it's in your reports there.
25 This is showing a wind pattern where the -- the

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1 wind is blowing northwest so that if we had a
2 liquefaction event of any sort, we can see a lot of
3 stuff getting into the atmosphere, into the air, and
4 into the water.
5 The water is showing the currents going out of
6 the gate, which are changing every 12 hours, and we have
7 a wind pattern. And if we do have a wind pattern that
8 looks like this wind pattern, we're going to have a lot
9 of people that are sick in San Francisco.
10 And to be fair, I did use another current wind
11 pattern, and I think this was the wind pattern today.
12 And this is showing the wind is blowing on, oh -- well,
13 actually, it's shifting in different directions, but
14 some of it is going westerly, northwesterly.
15 So I think what we have is a potential
16 situation, and it's something that should be taken into
17 consideration for the health and welfare of the rest of
18 San Francisco as well as the residents of
19 Bayview-Hunters Point.
20 Now, FEMA has put together, along with the
21 state of -- State of California Division of Geological
22 Mines & Mining, legislative findings and declaration the
23 effects of strong ground-shaking liquefaction
24 landslides.
25 Landslides and other ground failure account for

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1 approximately 95 percent of economic losses caused by an
2 earthquake. We're not too concerned about that.
3 It is necessary to identify and map
4 seismic hazard zones in order for cities and
5 counties to adequately prepare the safety
6 element of their general plan and to encourage
7 land use management policies and regulations to
8 reduce and mitigate those hazards to protect
9 public health and safety. I think this
10 directly applies.
11 And it goes on and gives certain specifics on
12 page 3, 3/8. "Mitigation means those measures that are
13 consistent with established practice and . . . will
14 reduce seismic risks to acceptable levels."
15 4/8: "The population affected by the seismic
16 hazard in the event of an earthquake.
17 "The probability that the seismic hazard would
18 threaten public health and safety in the event of a
19 earthquake."
20 With that, I will conclude.
21 MS. HARRISON: Okay. I have --
22 Can I ask a question first?
23 MR. CAMPBELL: Sure.
24 MS. HARRISON: I'm understanding a little bit,
25 but I do understand about liquefaction.

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1 What I want to know is -- I can't ask that of
2 you, because you wouldn't know. You haven't done the
3 work out there.
4 Richard, how damaged was the land underneath
5 that fire? How damaged was the soil and the sand and
6 the water damaged underneath Parcel E before you start
7 piling that dirt on it, that other stuff with the
8 capping on it?
9 And what happens if there is an earthquake? And
10 I understand that there's an earthquake fault that runs
11 straight across --
12 MR. MACH: Hunters Point Fault.
13 MS. HARRISON: -- alongside -- the Hunters
14 Point fault runs across there. It actually intersects
15 with Parcel E.
16 So what I'm wondering is how stable -- you said
17 that -- you told us once, and I -- I had a reason to
18 believe that that capping that plastic was so tight that
19 it wouldn't -- any -- nothing would pop up. But if the
20 soil beneath that is already leaking and we have an
21 earthquake and that drops down any lower, what happens
22 to that cap? Doesn't that cap just kind of drop down
23 with it?
24 (Court reporter refills paper tray.)
25 MR. SCOTT: Don't say anything, Marie.

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1 MR. MACH: Okay. First, when we went in and
2 started putting down the base layer for the cap that's
3 out there right now, we did compaction. We didn't see
4 any major cracks or any other things that were
5 indicative of that, you know, there wasn't anything that
6 had damaged the landfill from the previous earthquakes
7 that were out there. So that -- you know, everything
8 seemed like it was intact.
9 But we did do compaction, and especially in
10 some of the areas where the material, because it was --
11 it was just placed there as fill, it was never
12 compacted. So there was some loose material, like the
13 sawdust, like the areas where there had been a
14 smoldering and some of the subsurface had combusted
15 away, and so we did compact that.
16 And some of the areas we compacted, and it --
17 you know, the machines actually sunk down in the
18 material about 3 or 4 feet. So that was compacted much
19 tighter. So it is a fairly tight formation. And we
20 then filled that in with clean soil to bring it up to
21 grade for drainage requirements.
22 Secondly, we -- you know, we put the liner on
23 there. And the liner is impervious to the water flowing
24 through it. But it is not tight like you would think,
25 you know, tight against your arm or something like that.

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1 It is somewhat loose.
2 So there is room for expansion based on, you
3 know, normal climate and thermal expansions; and it
4 would accept some stretch in the event of a -- of an
5 earthquake and some minor amount of liquefaction. But
6 we have not done a detailed analysis of that yet.
7 And your talk is perfectly timed because we
8 have a work plan to investigate data gaps throughout all
9 of Parcel E that is under regulatory review right now
10 that we submitted on March 7 with comments due on
11 April 23rd. And we are in the process of finalizing six
12 or seven addenda to that work plan, which are due out
13 hopefully next Friday the 30th.
14 And one of them is to evaluate -- one of them's
15 to evaluate the extent of the landfill to verify that we
16 know exactly how far it goes. Another one is to
17 evaluate liquefaction particularly. Another one is to
18 evaluate landfill gases.
19 So there's several of these addenda that are
20 aimed at specific questions that we have regarding the
21 landfill itself. And so those are coming out hope --
22 when I said, hopefully on the 30th.
23 And liquefaction is definitely one of those
24 things we're going to look at with regard to the cap
25 settlement, all different issues.

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1 MS. HARRISON: Okay. I -- Can I finish?
2 MR. SCOTT: Go ahead. Go ahead.
3 MS. HARRISON: Did you say that you wanted
4 to -- that you're going to -- that part of the study
5 that you're getting ready to turn out is to see how
6 deep -- I mean how -- just how far down that -- that
7 landfill is?
8 MR. MACH: No. We pretty well know the depth.
9 We are going to reverify the lateral extent, how far it
10 goes up --
11 MS. HARRISON: How wi- -- how wide it's gotten?
12 MR. MACH: How wide, yes.
13 MS. HARRISON: And with all that compacting and
14 pressing down and all that stuff that was down there --
15 correct me if I'm wrong -- aren't you expanding that
16 stuff out even further?
17 I mean, you're forcing -- if there's a metal
18 drum down there and enough pressure to put on it, then
19 you have come past that, you pressed it out -- in other
20 words, instead of this way, it's now this way. How much
21 pressure would that be able to take if there's something
22 explosive down there?
23 MR. MACH: We -- we didn't compact that hard.
24 I mean, you're -- you're talking about, you know --
25 you're talking about feathers on top and we compact them

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1 down.
2 MS. HARRISON: No. Well --
3 MR. MACH: We -- we didn't push the whole mass
4 of landfill that's 20 to 30 feet thick. No, we didn't
5 push that hard.
6 You know, it was basically like steam rollers
7 and heavy equipment that just compact what was on top.
8 There was no major pile driving or, you know, drop-in
9 lead weights or any sort of intrusive methods to really
10 pack the entire thing.
11 MR. SCOTT: I saw a question --
12 MS. HARRISON: Okay.
13 MR. SCOTT: -- from Lynne, by hand from Lynne.
14 MR. BROWN: He already -- Thank you, but he --
15 MR. SCOTT: He already answered it?
16 MR. BROWN: -- already answered it.
17 MR. SCOTT: Oh, okay. Good.
18 Then I had one over here, Barbara, and then you
19 want to say something?
20 MS. TROMBADORE: Well, how do you -- how do
21 you -- how do you evaluate the liquefaction? How do you
22 do that?
23 MR. MACH: Well, that's the question. I
24 haven't reviewed the work plan yet. It's coming to me
25 today, I think. Anthony was sending it to me today. So

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1 I haven't looked at it yet.
2 But one thing that Maurice and I had talked
3 about was, you know, Maurice wanted to bring this here
4 to, you know, open up the discussion on this based on
5 what the feedback is from the community and based on
6 maybe what the reviews are on the -- on the work plan we
7 put together, you know.
8 I'd be more than happy to try and invite the
9 U.S.G.S. authors of this report and have them come to a
10 future meeting at some time. Now, whether that's, you
11 know, next month or a couple months from now, I'd be
12 willing to see what their availability is.
13 MR. CAMPBELL: I think the Army Corps of
14 Engineers Hydrology District out of Davis might be able
15 to lend some assistance, because they know about
16 hydraulic actions and where you have a landfill that's
17 on water and over water. In a sense they can -- because
18 I think the real danger is the hydraulic action and what
19 can pop up.
20 MR. SCOTT: Excuse me, Maurice, before you go,
21 I think Barbara had a question.
22 MS. BUSHNELL: Actually, this is sort of a
23 point of clarification that might help Marie a little
24 bit.
25 That cap that was put out there was put out to

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1 cover the fire, was it not?
2 MR. MACH: Yes.
3 MS. BUSHNELL: Okay. And the reason for that,
4 as I understand it, it's not a matter of compressing it.
5 Fire needs three things, and one of those is oxygen; and
6 if you take the oxygen away, you don't have a fire. So
7 that's the reason for capping. Capping is not to press
8 the earth or push anything down. It's to stop the fire.
9 MS. HARRISON: Well, that much I had already
10 understood until he said that the ground had actually
11 sunk in and then they had to compress, which brought
12 about the question of how much compression do you do?
13 Because even a metal container and the fact that we
14 didn't know what's down there, so if you press hard
15 enough, it's going to expand one way or the other.
16 MS. BUSHNELL: But that's my sense of it. You
17 weren't pressing. You were covering and stopping the
18 fire. You were stopping oxygen going in there. So it's
19 not a matter of pushing things into the hole.
20 MR. MACH: We did -- we did some surface
21 compaction.
22 MS. BUSHNELL: Okay.
23 MR. SCOTT: The gentleman back here.
24 MR. SHUKLA: I don't have a question. I just
25 wanted to express that those liners, those HDPE liners,

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1 can stretch 50 to 100 percent of their original length.
2 MR. CAMPBELL: Yeah. But also, when you have a
3 hydraulic action of sorts, that takes buried tanks and
4 pushes them through, or it takes a cement surface,
5 cracks it and pushes, through hydraulic action, liquid
6 up. What we've got is VOCs, TOCs, PCBs, chlorine
7 canisters, and other things. That's the concern.
8 MR. SHUKLA: Yeah. I'm not trying to --
9 MR. CAMPBELL: Sure.
10 MR. SHUKLA: -- address the whole question.
11 MR. CAMPBELL: Sure.
12 MR. SHUKLA: You asked -- you asked how much it
13 can stretch, so I was --
14 MR. SCOTT: Jesse.
15 MR. MASON: The whole purpose of compacting is
16 to tighten it down so it doesn't blow. Pile driving is
17 completely different. Pile driving is when you're
18 building something, you drive it down to solid rock.
19 That has nothing to do with compacting, you know.
20 But in construction when we -- when we compact,
21 when we pack down, we want it as tight as we can
22 possibly get it so it doesn't blow. That's all.
23 Now, through expanding, it's going to expand.
24 But compacting we want it tight, you know. We can't
25 leave it loose because if we leave it loose, it's going

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1 to blow.
2 MR. SCOTT: Okay. Any other --?
3 MR. MASON: That's the purpose of the plastic
4 and the cover.
5 MR. SCOTT: Any other questions or --?
6 Yes, Keith.
7 MR. TISELL: I have a question for Richard.
8 MR. SCOTT: Thank you, Maurice. I'm sorry.
9 MR. TISELL: With that -- with that cap on
10 there and you said something about gases, is gases
11 leaking out of there --
12 MS. AGUIRRE: Thank you, Maurice.
13 MR. TISELL: -- or who would know? EPA?
14 MS. HARRISON: From the edges of --?
15 MR. MACH: We -- we have no information to show
16 that there is gas leaking out from around the edge of
17 the landfill. But we are going to investigate that and
18 verify, A, that it's not leaking out of the sides; and
19 B, are there pockets of methane or other VOCs, or
20 volatile organic compounds, are essentially cleaning
21 solvents, that are collecting under the -- under the
22 existing cap right now?
23 And if there are, you know; if you look at a
24 normal basically a solid waste landfill where all you
25 trash goes to, they cap these landfills when they are

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1 done. And all of the food and the different products
2 that go in there, they rot; they -- and in the process
3 of decomposing and rotting, they generate methane gas.
4 And that's why most of these landfills actually
5 have a methane venting system or flare system to remove
6 that gas from the landfill so it doesn't accumulate
7 and -- and cause further harm. And so that is something
8 we will evaluate.
9 Now, we have detected methane within our
10 landfill. We have not detected huge amounts in the
11 landfill or found consistent pockets of it. And that is
12 probably for a couple reasons.
13 One, there hasn't been waste disposed there in
14 a long time; and generally, if you look at the life
15 cycle of a landfill, the -- the major methane production
16 is in the first 20 years, and after that it starts to
17 subside.
18 Second, we didn't have a whole lot of trash and
19 normal rotting debris that's in there that would create
20 a whole lot of methane, although when -- when you remove
21 oxygen and you have these VOCs or other petroleum
22 products and it's called anaerobic, so there's no
23 oxygen.
24 The bacteria down there that eat these
25 different chemicals will go into an anaerobic state,

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1 and -- it's sometimes called methanogenesis -- they will
2 actually create methane by decomposing the fuel and the
3 other solvents.
4 So there is some methane generation from that
5 process, and that's what we are going to try to evaluate
6 further as well.
7 MR. SCOTT: Richard, question --
8 MR. ATTENDEE: May I ask one more question?
9 Just one quick that is pertinent to this now.
10 MR. SCOTT: Yes, yes.
11 I know saw this hand, and I'll come to you. I
12 know you want to ask a question now.
13 Marie, that is --
14 MS. HARRISON: Well, you know, I'll wait till
15 after --
16 (Simultaneous colloquy.)
17 MS. HARRISON: Go -- I'll --
18 MR. ATTENDEE: The reason I'm here and some of
19 the other neighbors are here is: We appreciate the Navy
20 doing the cleanup and everything.
21 But in the last three weeks, there's been
22 piercing noise all night long from the cleanup site.
23 Piercing. Is there any way to muffle that sound? This
24 is something that's -- you know, I mean, that's is --
25 right now it's harmful to our health as far as our

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1 hearing. It drown out the PG&E noise sound, and it's
2 got to be pretty strong to do that.
3 (Simultaneous colloquy.)
4 MR. MACH: That concern has come to our
5 attention. We immediately directed our contractors to
6 start building some containment sheds to contain that
7 noise. It's for a soil vapor extraction unit that is
8 sucking the VOCs out of certain areas.
9 And Jim, you should be able to have those up
10 and around the facility.
11 MR. ROBBINS: Yeah. The one at Building 134,
12 which is the largest one, is already installed. So
13 we'll be monitoring that and make sure that it's doing
14 its job.
15 MR. MACH: And the Building 123 one is off
16 right now --
17 MR. ROBBINS: Right.
18 MR. MACH: -- and the other couple over by 211
19 and 231?
20 MR. ROBBINS: Yeah, they're working on those.
21 MR. MACH: Working on those.
22 MR. ROBBINS: We focused on the one at Building
23 134 because it was the largest and loudest.
24 MR. ATTENDEE: I mean, you realize it has been
25 extremely loud? I mean, it woke me up at 3 o'clock in

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1 the morning. I mean, that is very, very, very piercing.
2 I mean, that isn't healthy. I mean, I appreciate the
3 cleanup, but the fact is: The process of the cleanup
4 itself shouldn't be able to cause us a health problem.
5 MS. TROMBADORE: Can you turn it off?
6 MS. FOX: Yes. I -- This was actually our --
7 MR. HAMMAN: My name is Michael Hamman, and I
8 am also a neighbor here, and we came to talk about this
9 machinery that you're operating at 3 o'clock in the
10 morning, and it sounds like a jet airplane.
11 And we doubt -- Great idea, go ahead and put
12 the shed over it. But in the meantime, turn it off.
13 It's not fair to wake up the whole neighborhood.
14 You can hear this machine from Jill's house to
15 my house to Ell's house. It -- you know, if this were
16 operating in any other neighborhood in the city, you
17 wouldn't be able to do it. So, you know, I think
18 putting the shed over it, right, but go ahead and build
19 your shed. But in the meantime, turn it off. Will you
20 do that?
21 MR. MACH: Yes.
22 MR. MASON: There's a noise ordinance.
23 MR. MACH: We will only operate during the day
24 until we get the sheds up there.
25 MR. HAMMAN: Fine.

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1 The other source of noise I want -- we want to
2 talk about is the construction activity that starts at
3 6 a.m. I'm the nearest neighbor to your project, and
4 this weekend they worked Saturday and Sunday all day.
5 But it's kind of funny they only work on Monday,
6 Tuesday, and Wednesday until 1:00, but they had to put
7 in all that overtime on the weekend.
8 But in San Francisco we have a noise ordinance.
9 You cannot work construction equipment that early in the
10 morning.
11 MR. MASON: That early in the morning.
12 MR. HAMMAN: They couldn't operate a machine in
13 front of your house at that hour. I couldn't operate a
14 machine in front of any other neighbor's house. But
15 it -- somehow in this neighborhood it's okay. And I
16 want you to make a commitment to not operate before
17 8 o'clock in the morning.
18 MR. MASON: It's against the law.
19 MR. MACH: Okay.
20 MR. HAMMAN: Thank you.
21 MR. SCOTT: Okay. Marie.
22 MS. HARRISON: My question -- excuse me,
23 Richard?
24 MR. MACH: Yes.
25 MS. HARRISON: My question was -- that was

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1 brought to mind when -- when you were talking a little
2 while ago, I was -- I just -- it just flashed up in
3 mind -- Foster City -- you know, Foster City was
4 compacted too, and then they built on it; and for at
5 least -- and the last thing I heard was that it's still
6 settling, so it's still shifting. Are we going to have
7 any still settling and still shifting going on out there
8 on "E"?

9 MR. MACH: On "E" or on the landfill?
10 MS. HARRISON: On the landfill. On -- excuse
11 me. Yeah, on the landfill.
12 MR. MACH: There will probably be some amount
13 of settling through time. Now, when it will actually
14 reach its final steady state and stop settling, I'm not
15 a hundred percent sure on that. But there will be some
16 settlement.

17 And assuming that the landfill stays -- just
18 assume now, becau- -- any time the Navy leaves any sort
19 of contamination in place; i.e., a landfill or other
20 things, there is a requirement that we continue to do
21 some sort of maintenance on that.

22 The landfill will, I'm sure, have a specific
23 maintenance program for it if that is the case. And
24 there are also different periodic reviews that are
25 required throughout the entire process to reevaluate the

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1 effectiveness of the remedy.
2 And so if there is settlement or if there is
3 other things that happen, we would have to come back and
4 address those if they, say, tear the liner. You know,
5 there's a shift in one area and it tears the liner, we
6 have to come back and repair that.

7 So we are --
8 MS. HARRISON: So there is settle -- there is
9 settlement going on.

10 MR. MACH: There is potential settlement.
11 If you look at the map, though, that Maurice
12 showed and you look at the liquefaction, it's
13 essentially all of San Francisco that was filled.
14 And -- and I don't mean landfill fill. I mean, it was
15 bay that was taken by placing soil there either by
16 dredging soil or, like in the case of Hunters Point,
17 most of Hunters Point wasn't there before. There was
18 Parcel A, and there was a little bit coming out to the
19 dry dock.

20 So almost all of Hunters Point used to be under
21 water until they tore out part of the hill and they
22 backfilled and they dredged part of the bay and they
23 backfilled, and they essentially created land.

24 So when the developer's going out and
25 developing, he's going to have to do a lot of seismic

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1 calculations and a lot of different things to ensure
2 that liquefaction doesn't bring down all the buildings
3 that they build out there.

4 MS. HARRISON: Excuse me. I don't think -- I
5 didn't hear that they were having liquefaction action in
6 Foster City either.

7 However, I do know that on several properties
8 there, the ones that are close to -- the closest to the
9 water, that the land is still shifting that is causing
10 problems with the plumbing. It's cracking basements and
11 docks and things like that because -- it's not because
12 of an earthquake. It's just still shifting.

13 If we're going to have that kind of a problem,
14 then I'm really worried that something is going to break
15 loose there.

16 The other thing is: There -- You spent quite a
17 bit of money putting all of this dirt, and there's still
18 trucks rolling out there. Are you still putting dirt
19 and plastic and all this stuff?

20 MR. MACH: They finished the last of the
21 imported soil on the landfill today. There may be plus
22 or minus 25 to 50 more truckloads that come in if
23 there's any final grading to get it to the exact
24 elevation.

25 There are also a lot of trucks that are hauling

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1 in soil that's taken over to Parcel E. And if you know
2 where the old barracks building is, Building 600 --
3 MS. HARRISON: Right.
4 MR. MACH: -- there was a big parking lot, we
5 are stockpiling a whole bunch of soil.
6 Essentially the BART project is excavating to
7 put in BART, and they are generating a lot of soil which
8 they needed to dispose of. It's clean soil. They are
9 giving it to us for free. They are trucking it to us
10 for free.
11 We know that at some point in the future, we're
12 going to need clean soil for backfill either when we dig
13 up more areas on "C" and "D," when and if we dig up on --
14 areas on "E," and to either cap the rest of the
15 landfill, if that's the route that's chosen, or if we
16 remove the landfill, we're going to have one heck of a
17 hole to fill in.
18 So we're -- so we are taking advantage of
19 receiving all of this clean soil from the BART project
20 and stockpiling it until we can use it.
21 MS. HARRISON: Okay. So you are aware of the
22 fact that the community is going to be pressing for
23 Proposition P to be -- go into effect?
24 MR. MACH: I am aware.
25 MR. SCOTT: Lynne and then Jill.

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1 MR. BROWN: I'd like to address the dust that's
2 in the street on Innes. I mean, it's very bad, because
3 when the trucks come, the dust is down there. And I
4 don't know about other people, but I feel kind of
5 affected by it, you know, just having -- they don't even
6 wash the -- the street cleaners doesn't -- don't even
7 come down the street.
8 The water is down -- you know, if they had a
9 little brush and just -- they have -- they just -- more
10 dirt just comes in the air. It's really bad down there.
11 MR. ROBBINS: We expected to have a wet street
12 sweeper truck delivered today so we can get out on Innes
13 and clean that up both on base from the trucks coming in
14 and out as well as going out onto Innes to exactly that,
15 to get -- to get the dirt out of the gutters and get the
16 place cleaned up so that that's not an issue going
17 forward.
18 MS. HARRISON: And off of other people's cars
19 that are complaining about the dirt?
20 MR. SCOTT: Marie, Marie, Marie, jumping out of
21 line.
22 MS. HARRISON: Sorry. Sorry.
23 MR. SCOTT: Jill.
24 MS. FOX: Actually, it's a follow-up on several
25 of these trucking issues.

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1 Is there any way we can get notification of
2 when those street cleaners are coming? Because they
3 just go down the middle of the street. It doesn't
4 really solve the problem exactly.
5 And if you want to work with us in the local
6 community, if -- you know, give us a heads up and, you
7 know --
8 MR. MASON: I have a contractor come in --
9 MS. FOX: -- yeah, we can, you know, work.
10 There needs to be some kind of notification so that
11 those can be used the most effectively.
12 MS. HARRISON: Yeah.
13 MS. FOX: My second thing is --
14 MR. MACH: Can I suggest that maybe, Jim, you
15 and Jill discuss this off line and see what you guys can
16 work out?
17 MR. ROBBINS: Sure.
18 MR. MACH: Thank you.
19 MS. FOX: Okay. My second thing is: Last
20 month I brought up something about some safety issues on
21 the base, and you said that there were some signs going
22 up.
23 I was out there today. There's a big hole in
24 the fence at the end of the -- by the basketball court
25 at the end of Donahue, and there are no sign -- I didn't

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1 see a single si- -- new sign anywhere around there, and
2 that is the most obvious place to get into the base. I
3 mean, it's like: "Hey, kids, play basketball. Oh, look
4 there's a big hole in the fence."
5 MR. MASON: "Let's go down."
6 MS. FOX: Yeah.
7 MR. MACH: We met with -- we met with the BCT
8 last week to discuss that, and we were lining out all
9 the action items that we still have to complete; and the
10 agreement that we came up with was that we would have
11 them all up by next Friday.
12 MS. FOX: Next Friday.
13 MR. MACH: The 30th.
14 MS. AGUIRRE: You mean tomorrow.
15 MR. SCOTT: Jesse.
16 MR. MACH: No. Friday, the 30th.
17 MR. MASON: If you guys are not going to use
18 the city for your street sweeper, then I have a
19 contractor that may be able to work with you. So if you
20 want to get in touch with me, I can put you in touch
21 with him.
22 MS. FOX: Great.
23 MR. SCOTT: Okay.
24 MS. HARRISON: We'd like to suggest you get in
25 touch with him.

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1 DR. SUMCHAI: I guess from a health standpoint,
2 I'm concerned that we're losing the forest for the
3 trees. It reminds me the -- President Bush's response
4 to the huge platform that fell off the coast of --
5 MR. ATENDEE: Yeah.
6 DR. SUMCHAI: -- Brazil. And they asked him
7 what he wanted to do about that.
8 And he said, "We have to build another one."
9 You know, the issue with regard to airborne,
10 you know, particulates that are settling, you know, is
11 the fact that these are, you know, breathable, you know,
12 particles and that they are a source of respiratory
13 illness for residents. And you know, all we've done if
14 we're seeing it on sidewalks or on cars is proof that,
15 you know, it's there.
16 I thought that we were -- we were trying to
17 hose down the work sites to try to reduce amount -- the
18 amount of, you know, aerosolized particles. But I do
19 think that it's a health concern that we have to think
20 about in addition to the cosmetic issue.
21 MR. MACH: That's why Jim mentioned that he's
22 getting a wet sweeper as opposed to a dry sweeper to try
23 and reduce the air emissions and try and get the dust
24 off the streets.
25 MS. TROMBADORE: How long is --? When does the
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1 BART trucking stop? Because that will help.
2 MR. MACH: Jim?
3 MR. ROBBINS: It's hit and miss. There's no
4 fixed schedule for that. It's as they generate the
5 soil, they are bringing it in. So --
6 MS. TROMBADORE: So it could be a pretty long
7 term, then, or --?
8 MR. ROBBINS: Could be.
9 MS. FOX: And how is this --? Excuse me,
10 but -- okay, you're stockpiling all this dirt. I get
11 the idea. It's saving some money and all that.
12 MR. MACH: Saving a lot of money.
13 MS. FOX: Okay. Is it getting --? That's
14 good. But you know, we're taking the brunt of it. It's
15 been seven months of trucks filled with dirt up and down
16 the street all hours of the day and night. The
17 stockpiling of dirt is now a whole bunch of dirt sitting
18 in the neighborhood for years.
19 What are we --? And plus, we have the big
20 landfill. Plus, we have, you know, even though it
21 caught on fire -- and part of the reason it caught on
22 fire was because there was all these weeds and
23 everything, but no weed control has happened elsewhere
24 on the base this winter or spring to stop the exact same
25 thing happening.
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1 So now we have even -- we have tons and tons of
2 dirt uncovered hang -- you know, what are -- what are
3 you doing about the dust, then?
4 MR. MACH: In the la -- the landfill they are
5 doing the final grading right now. Next Thursday and
6 Friday will be hydroseeded.
7 MR. ROBBINS: Three days.
8 MR. MACH: I'm sorry. Thursday, Friday,
9 Saturday next week it will be hydroseeded, so it will
10 have a vegetation put on top of it so that it will not
11 erode by wind or hopefully water.
12 The BART soil that's being brought in is being
13 completely contained, covered with plastic. So that is
14 not a wind-borne issue.
15 MR. SCOTT: Okay. This gentleman had a
16 question.
17 MR. PARRA SR.: In regards to the sweeper, he
18 says he's going to put one sweeper? You're not going to
19 keep up with that stuff.
20 I go along with his -- with his suggestion. He
21 knows a contractor. Get ten of them out there to get
22 the street cleaned; and then you come back, and you
23 maintain with one or two.
24 But there's a big mess. I was out there too,
25 and there was a big mess all over the place. There's
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1 all that stuff flying all around. Come on, we got to
2 get on the ball. I mean, we have been getting stuck
3 every time out here.
4 Like I said, I've been out here 70 years, and
5 every time these people they think the -- that these
6 people out here are stupid. They are not. They are
7 hard-working people. But you got to give them a break.
8 You're going to hire one sweeper? You're not
9 going to catch up. Get this man to get ten of them out
10 there to get it clean. Once you got it clean, you get
11 two to maintain it, you're finished.
12 I mean, I don't know what your boss is going to
13 tell -- I don't if you're authorized to hire ten
14 sweepers, but that would be my idea.
15 You got the same problem going around right by
16 the drawbridge where the old firehouse is at. They got
17 a concrete outfit out there over there. They're hauling
18 stuff in there. You see that filthy mess over -- mess
19 over there? Nobody cares, you know.
20 If I went down there and started screaming and
21 jumping and laying out in the middle of the street, then
22 they are going to say I'm a kook, because look at --
23 "Look at that guy. He's crazy. His old age that has
24 got to him."
25 But you got to -- you got to give us a break.
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1 Give us ten sweepers. Clean up the whole mess. Get the
2 cops to get all the cars out, get them to the sidewalk,
3 everything else. Hose it down. You're finished.
4 Get one sweeper to maintain it during the week.
5 I'll volunteer to drive it for you, and you don't have
6 to pay me too much.
7 MR. SCOTT: Not too much there.
8 MR. PARRA SR.: But you know, that's -- that's
9 the way.
10 I mean, I understand all this thing's got to be
11 discussed. But brother, I'd be Rip Van -- I don't think
12 I'm going to live long enough to see anything happen out
13 there, because that's the way it's been going, and I'd
14 appreciate it.
15 Here's a young man. He'll probably see the
16 fruits of all this sweat and his ears being irritated
17 with all the speaking. I won't. But I hope that you
18 people enjoy a good life 10, 20, 30 years from now when
19 it finally gets done.
20 But please, take this man's advice. Hire ten
21 sweepers. Go out and clean it up. Then next week you
22 just get one maintain it, maybe two.
23 MR. SCOTT: Okay. Thank you.
24 Any -- any other questions, comments --
25 MR. PARRA SR.: Good night.

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1 MR. SCOTT: -- before -- before we --? And
2 that looks like it.
3 Yes, sir, go ahead.
4 MR. POTTS: Is this the community concerns
5 portion?
6 MR. SCOTT: If you have a question, sir,
7 please, bring it up, comment.
8 MR. POTTS: Okay. My name is Jimmie Potts, and
9 I'm with Barbary Coast, and we have a trucking issue,
10 gentlemen.
11 First off, I've spoke with --
12 MR. MACH: Claire.
13 MR. POTTS: -- Claire regarding a decision that
14 we had made regarding contractors that's supposed to be
15 being out there, and there's subcontractors who are
16 entering on the Superfund site without 40-hour HAZWOPER
17 training, and I'm told by you guys after your
18 investigation that it's cool. And that's not the rules,
19 okay?
20 Now I find out that I've done some work out
21 there for one of your subcontractors, and now I've got
22 to come back and be requalified. And when I get this
23 requalif- -- repeat qualification form, I'm finding out
24 now instead of a million dollars' insurance for
25 hazardous transporters -- I'm not a generator -- for

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1 transporters -- I've got to come up with \$5 million
2 worth of insurance.
3 And you guys are sitting up telling the
4 community that we're supposed to be able to get involved
5 in this project. And you keep allowing large
6 companies -- and I'm going to mention the name, S & S --
7 in here on this job when they are not part of this
8 community. And you all could just keep making it easier
9 for them to come in, and you're not stopping them, and
10 you fail to even do anything to stop them.
11 We had an agreement to stop them. You're not
12 doing that. You're not screening their trucks they're
13 still hauling to find out if they have the correct
14 accreditation to be out there. But you're saying I had
15 to have them when I came in here.
16 And -- and you tell me my rates are too high,
17 because I got to meet all these other loopholes, and
18 then you go with him because he's -- he's skinning the
19 cat by not making the same things that I have to
20 require -- you're requiring me to be there. And he's
21 getting around it, and his rates are less. And you're
22 telling me he's from the community, and he's not. And
23 we told you that.
24 When are you guys --? When are going to stop
25 this mess? Because they are playing with the

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1 contractors. I'm not sure how the other contractors,
2 but this is what you doing to trucking, okay?
3 And I do believe that the RAB committee are to
4 make sure that the Navy pays for a community -- two
5 community people to monitor every truck that goes in and
6 out of that place, every truck, so that they know who
7 they are, what qualifications they have, because you're
8 playing with us, and I'm getting tired of it.
9 My next step, I'm here asking you to straighten
10 up your hand in front of all these people, and I'm
11 telling you how you screwing us.
12 Now, the next plan is to talk to the other
13 local truckers and find out about put the gate around
14 here. Now, if that's what you want, we can get there,
15 man. We can go and play this way.
16 And I'm tired, man. So I sit up here and put a
17 proposal together so that we have local trucks. You
18 guys are going all around us and then sticking us with
19 higher insurance, and you supposed to be dealing with
20 the local contractors here.
21 Now, I can understand if I'm a generator, I
22 need \$5 million. I'm not a generator. I'm a
23 transporter. And if -- you don't want to pay us by the
24 transporter's rules. There's seven days. You guys are
25 taking 60. You killing us and telling us that you're

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1 doing us this big favor out here.
2 Man, I'd like to find out from the RAB what you
3 going to do, because I got a bunch of truckers out
4 there, and some of them are working, and some of them
5 are going along with the program; and then there's
6 others out there who are stabbing us all in the back.
7 But those that aren't are willing to put a fence around
8 this gate, you know.
9 And I'm asking for -- to make sure that --
10 asking the RAB to make sure that the Navy has IT and all
11 of the other contractors out there that are using trucks
12 to have -- when they have their safety meetings in the
13 morning to make sure that the monitors from the
14 community are there so then we can take names and notes,
15 because we're tired of this, man. We're tired of this.
16 The person that I worked with the contractor
17 for, he has been told that he had to lower his rates and
18 raise his insurance in order to keep getting work out
19 there. What kind of shit is this? And I'm just going
20 to speak it just like that. What you all doing? And
21 when you going to clean it up? And I'm talking to you,
22 Richard. I'm talking to you.
23 MS. HARRISON: Okay.
24 MR. SCOTT: All right. Thank you. Thank you,
25 sir. Good comments passionately spoken.

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1 no violation was found, all right. So I want to say
2 that first.
3 MR. SCOTT: Listen.
4 MS. TROMBADORE: Based on Jimmie's
5 representation, we referred it to OSHA. They came out.
6 Nothing -- No notice of violation was issued, and I saw
7 a copy of that.
8 The 40-hour HAZWOPER, from what we can tell,
9 does not need to be required if you drive onto a
10 Superfund site. I'm just telling you what the people at
11 EPA told me, all right, okay? I'm just telling you, all
12 right. Okay. So we found that out.
13 Then we went through everybody's names to see
14 if they had the proper ID numbers. We found proper ID
15 numbers for A. M. Cain and for Barbary Coast Trucking.
16 You have all the proper ID numbers for hauling. All
17 right?
18 However -- and I don't have all this
19 information in front of me, but my recollection was that
20 S & S has an EPA ID number, but it's not for hauling.
21 It's a generator number.
22 And I brought that to the attention of Don
23 Marini, and he was going to -- you know, he's supposed
24 to have a hauling number. He's not supposed to have a
25 generator number, and -- but at least he did -- you

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1 I don't know if there's any comments you want
2 to respond to or can respond to right now.
3 MR. MACH: As far as the comment regarding the
4 other contractors and the subcontractors and having met
5 the requirements for hauling, you provided all that
6 information to EPA.
7 EPA looked through their database. And your
8 allegation that S & S was hiring subcontractors that
9 were not meeting the qualifications, as I understand it
10 from EPA, was incorrect, and that all of their
11 subcontractors and that you provided to Claire that I've
12 seen had the IDs.
13 Is that correct, Claire?
14 MS. TROMBADORE: No, no. And I told all of
15 this to IT. What happened is -- I mean, do we want to
16 get into all of this?
17 MR. BROWN: Yes.
18 MS. TROMBADORE: All right.
19 MR. SCOTT: Well, first, let me ask the next
20 question. Can you -- can you be at least concise in
21 your response?
22 MS. TROMBADORE: I'll try, 'cause I don't have
23 all of this in front of me, okay.
24 Well, first of all, as far as the OSHA issues,
25 we referred it to OSHA, and an inspection was done; and

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1 know, at least he has a number. I thought that was a
2 good piece of information. But he does not have a
3 transporter number.
4 So it's now up to IT, you know, to find out why
5 they don't have a number for hauling and get them to get
6 the number and, you know, so on and so forth.
7 So for us we weren't intending to take any
8 enforce -- enforcement action against S & S for not
9 doing the hauling. I've made the -- the RCRA people
10 know about it. The RCRA program's been designated to
11 the state.
12 Anyway, I can provide additional information on
13 this at the next RAB. But as I said, I just provided
14 what I knew to Don Marini and the other folks at IT, and
15 that's where it was left.
16 MR. SCOTT: Okay, good. Let me --
17 Hold on. Let me say one thing, and I'll turn
18 it over to you.
19 I don't know if we're going to get this
20 resolved in this meeting, obviously; and we are -- we
21 are beyond the time we had hoped to be in this meeting.
22 So I want to make that clear.
23 And I see two comments from Jesse and from
24 Marie. I wanted to let -- let you both get your
25 comments in.

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1 MS. TROMBADORE: Oh.
2 MR. SCOTT: But I -- but I do want to say that
3 if it is a resolution we want to try to get at, then
4 we're going to have to create another forum --
5 MS. TROMBADORE: Also, let me just say --
6 MR. SCOTT: -- to make it work tonight.
7 MS. TROMBADORE: -- that the other -- this is
8 the other thing is that we had said that if we had
9 gotten a list of the subcontractors, we could have
10 checked them too. We never got it. So we need to get
11 that from somebody.
12 But that it -- it's highly unlikely that a -- a
13 su- -- a contractor that is subbing out gets a notice of
14 violation, because they are -- as the over -- a
15 contractor that's over those subs, that's the paper work
16 that you look at usually. So -- but still, we need to
17 rectify the fact that they don't have the hazardous
18 hauler number.
19 MR. SCOTT: Okay. Marie's hand is up first,
20 Jesse, and then yours.
21 MS. HARRISON: Okay. Well, the past -- Jesus
22 Christ, since we left Evans Street from both locations
23 and both the RAB meetings down here, S & S has always
24 been a problem. This community board has discussed
25 S & S till I am absolutely, positively just sick of the
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1 fact that it has been known that S & S was not a
2 community organization. It was not a community company.
3 They should not have preference.
4 I thought that IT was un- -- in the -- under
5 the same impression that we were that I said S & S was
6 not a community group, that they should not have been
7 repl- -- that nobody in this community should be
8 replaced by them or have to go through them.
9 Now hearing that they have anything that is out
10 of the ordinary from what they are supposed to be having
11 and then a community company is being told that -- a
12 small business at that -- is being told that they now
13 have to requalify and it's upped their insurance even
14 higher, lower their fees, is ridiculous. IT knows
15 better. I know they know better. I myself personally
16 have brought this to their attention.
17 S & S was here before us at the college when we
18 brought this to their attention. Dorothy has brought
19 this to their attention. I can name any number of
20 folks.
21 I'm going to really, really -- I mean, what's
22 the point of us working here and trying to get the
23 community over, get the community taken care of
24 properly, being told that this is what is supposed to
25 happen for us if you keep circumventing us by going over
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1 and around us and coming up with all these ridiculous
2 things that you're forcing our folks to have to come up
3 with that you're not forcing people who do not belong
4 here?
5 I think that you have violated our confidence.
6 MR. ATTENDEE: (Interrupting.)
7 MS. HARRISON: Excuse me. I need to get this
8 out.
9 You have violated our confidence. I absolutely
10 am furious at you for that.
11 I personally would like to see S & S out of
12 there, period. I mean out of here, period.
13 I cannot stand the idea that more folks in this
14 community are being misused for someone that you knew --
15 and I know you knew -- was not a part -- was not a
16 business that was part of this community.
17 No business, no driver, no truck, no anything
18 that doesn't have the proper identification and/or the
19 proper information or the proper training should be
20 going through that gate picking up anything or dropping
21 off anything. It should not be happening. It should
22 not be happening.
23 I personally am furious, and I swear before
24 almighty God if I have anything to do with it, IT is
25 either going to -- I'm going to put on a parade, get out
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1 there with these guys to go lock that damn shipyard down
2 until they are gone. And then we're going to be asking
3 that IT be gone if they cannot oblige the community in a
4 way that they are supposed to.
5 Richard, I know that since you have been here
6 the idea of S & S has come up before you. So you know
7 that they should not be there.
8 MR. MACH: And I have told you in response, we
9 cannot legally per the federal acquisition regulations,
10 which is the law of contracting for all the federal
11 government, exclude them from bidding.
12 MS. HARRISON: Exclude them from bidding?
13 Where does the community get their first preference?
14 MR. POTTS: Where do we --?
15 MS. HARRISON: Where --?
16 Excuse me, Jimmie, I don't mean to cut you off,
17 but I really am furious about this.
18 MR. POTTS: Excuse me. Excuse me.
19 MS. HARRISON: I am so furious about this, I'm
20 going to leave because I'm going to say something that I
21 really shouldn't be saying. In order not to do that
22 right now, I'm going to leave, because I think that is
23 very disrespectful to this whole entire community, to
24 the whole process.
25 I have put five years of my time without pay in
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1 on this community to protect the community and the
2 community folks within it, and what you have literally
3 told me tonight was that all of that was in vain and for
4 nothing, and I don't appreciate that worth a damn. I'm
5 leaving.
6 MR. SCOTT: Jesse.
7 MR. MASON: This is a bid meeting that IT
8 presented to BDI and some of the vendors that we have,
9 some of the trucking organizations, the truckers that we
10 look for and got.
11 On the -- on the third page, if truckers --
12 truckers will need hazmat certification, that's all to
13 IT put out.
14 MR. POTTS: This is what they rule that they
15 put out for us.
16 MR. MASON: What IT just said.
17 MR. POTTS: But the rest -- S & S don't have to
18 come up with this.
19 MS. TROMBADORE: You said 40-hour HAZWOPER.
20 I'm just responding to what he specifically said --
21 MR. POTTS: This is -- this is what they told
22 us we had to have in order to be considered.
23 MS. TROMBADORE: Is that what hazmat
24 certification refers to?
25 MR. MASON: Yes, that's what it refers to as.

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1 MS. TROMBADORE: Jim, is that what it refers
2 to?
3 MR. ROBBINS: I'm not going to respond to this
4 right now.
5 MS. FOX: Okay.
6 MR. ROBBINS: I don't have that in front of me.
7 MS. TROMBADORE: Okay.
8 MR. MASON: All we're saying is that, you know,
9 we need the opportunities for truckers in the community
10 to be a part of what's going on.
11 We have two truckers in the audience right now
12 that are trying and vying to make money with IT and
13 I.T.S.I. All we're saying is that we want to be a part
14 of this process. These gentlemen have their hazmat
15 certification. Everybody else needs to have it, you
16 know.
17 If you could drive a truck and you don't need
18 certification, you still got to go to these -- these
19 dumps. You got to have some kind of certification of
20 hazmat.
21 Our workers -- Our community workers,
22 truckers, live and die by 40-hour HAZWOP -- hazmat
23 certification. They have to get it. The workers in the
24 field have to have it. We don't get in there without
25 having. So why should anybody else have an opportunity

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1 to do it without it?
2 MR. SCOTT: Thank you, Jesse.
3 My -- my question is: Can -- can we as a RAB
4 Board or -- or, Richard, you, the Navy, create some
5 other forum to get this -- to get this cleared up in --
6 in some -- in some way or fashion? Because, obviously,
7 it's going to continue to come up. It's evidently a
8 real sore spot, and it -- it has to be done out of this
9 forum, but yet it has to be done. Can we create
10 something? Can we create something soon to address that
11 issue?
12 MR. MACH: Yes.
13 MR. SCOTT: Okay. To make that happen, how --
14 what do we do? Can -- can we pull together S & S or
15 the -- the truckers that are here or Jesse? What -- you
16 know, what -- what can we do and how soon can we do it
17 to resolve that?
18 MR. POTTS: There's one way to -- that can help
19 to resolve it and find out what the laws really are and
20 who's doing what is to have the Navy pay for the
21 monitoring of every truck that goes in and out of there
22 so that we know -- we have written by some -- some of us
23 that, you know, says who was in there and what they were
24 doing, okay. That's one.
25 The other way is for them not in the middle of

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1 the stream tell us now EPA and them say in order fo
2 to qualify for their EPA numbers and all that stuff, we
3 need a million dollars' insurance; but to get on this
4 job site, we got to have five million. And where is
5 this --?
6 THE REPORTER: I'm out of paper.
7 (Brief recess.)
8 MR. SCOTT: Okay.
9 THE REPORTER: All right. Finish your comment.
10 MR. POTTS: Okay.
11 MR. SCOTT: And let's -- let's wrap it up,
12 because I understand. I'm just trying to get to it just
13 yet.
14 MR. POTTS: The -- the first issue that needs
15 is the monitoring.
16 MR. SCOTT: Okay.
17 MR. POTTS: Second issue: Not to turn around
18 and change the whole program in the middle of the
19 stream.
20 They split up one contract and gave it to
21 another company who wasn't qualified. That ought to be
22 eliminated.
23 The other thing is that that -- they are -- set
24 up their work for trucking or their guidelines in wh
25 required for trucking, for trucking. The way they have

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1 the bid package come out is for generators. That's
2 where the five million comes in. Transporters, we don't
3 need that. But --
4 MR. SCOTT: Okay.
5 MR. POTTS: -- that's still in there.
6 MR. SCOTT: So -- so, Richard, can -- can we --
7 can we set up something short right now, not next week?
8 This is obviously a hot issue. This has got to be
9 resolved.
10 MR. MACH: Jim, how long will it take your
11 contract people to get answers to these questions?
12 And I guess Claire, should we try and get
13 someone from the RCRA side to help us on this a little
14 bit?
15 MS. TROMBADORE: Yeah, we could. I mean, I
16 provided all that information from that person, and we
17 can follow up and have some conversations.
18 You know, again, I thought I passed it on that
19 there were ongoing discussions going on, and so I'm
20 surprised that some of this isn't resolved, so . . .
21 MR. ROBBINS: Well, the truth is, S & S is not
22 hauling hazardous waste. They subbed that out to other
23 facilities that have the right trucking numbers.
24 MR. SCOTT: Okay. So -- so let's -- let's
25 choose a date next week to get this -- to get some
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1 resolution to this. What's -- what's --? Can someone
2 give a --?
3 MS. TROMBADORE: Well, I don't see how I can do
4 it in a week. I mean, I --
5 MR. MACH: Yeah.
6 MS. TROMBADORE: EPA would probably need more
7 than a week.
8 MR. SCOTT: Well, I don't think we can wait
9 that long. I mean, this is a real hot issue. I -- we
10 need to -- we need to get some dialogue going. People
11 need to get -- gain some confidence that you really want
12 to -- that something can be done.
13 MR. MACH: I think it's going to take all of us
14 a next week to pull it together.
15 MR. SCOTT: Okay.
16 MR. MACH: Set something early the following
17 week.
18 MR. SCOTT: All right. Two --
19 MS. TROMBADORE: The 3rd maybe.
20 MR. SCOTT: Two weeks -- two weeks from now.
21 Can -- can you -- can you agree that -- that we'll set
22 up a forum to bring this up with IT and all of your
23 concerns about what could be done two weeks from now? I
24 mean, try to get the best resolution for you tonight,
25 please.
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1 MR. MACH: How about --
2 MR. SCOTT: Okay.
3 MR. MACH: -- Tuesday morning, the 3rd?
4 MR. SCOTT: Tuesday morning, the 3rd,
5 April 3rd?
6 MR. POTTS: April 3rd? That's fine.
7 MR. SCOTT: Okay. Great.
8 MR. POTTS: My -- I have one question, though.
9 MR. SCOTT: Yes.
10 MR. MASON: Where?
11 MR. POTTS: They still going to be rolling
12 trucks in and out of there while we wait to make this
13 meeting?
14 MR. SCOTT: I'm -- I'm pretty sure they will,
15 but April 3rd, please. April 3rd. You can't have the
16 best of all -- you can't have best of all worlds.
17 April 3rd we'll --
18 MR. MASON: Why not?
19 MR. SCOTT: Jesse, work with me. April 3rd.
20 MR. TISDELL: What time? Where?
21 MR. SCOTT: What -- what time and where?
22 What's --?
23 MR. MACH: How about if we do it at the
24 Shipyard at your trailer?
25 MR. ROBBINS: Sure.
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1 MR. SCOTT: Okay. At the Shipyard.
2 MS. TROMBADORE: What time?
3 MR. SCOTT: What -- what time, people?
4 MR. MACH: How's 9 o'clock?
5 MR. SCOTT: Is 9 a.m. agreeable with everyone?
6 MR. MASON: That's too early for me.
7 MR. SCOTT: Too early? Okay.
8 MS. TROMBADORE: How about 10:00?
9 MR. SCOTT: How about 10:00?
10 MR. MASON: Ten's fine.
11 MR. SCOTT: Ten o'clock, ten a.m., April 3rd,
12 at the Shipyard.
13 What lo- -- what location somebody's at?
14 MR. ROBBINS: Building 130.
15 MR. SCOTT: Building 130.
16 MR. MACH: 10 o'clock.
17 MR. SCOTT: Building 130.
18 MR. ROBBINS: Through the gate.
19 MR. SCOTT: Yeah. Okay. Great. Thank you.
20 With -- with that, what I -- what I want to do
21 right now is, if I can, specific topics for next month's
22 meeting.
23 One -- Let me throw this out, Jill. One is --
24 Again, Raymond wasn't here to give his presentation
25 today. I'd like the Board to consider making time and
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1 space available for Raymond for next month if things are
2 fine.
3 Also, Jill mentioned earlier about putting on
4 the agenda a standing -- a standing "Community Comments"
5 section where we would even have cards that people
6 walking in can let us know that they want to make some
7 comments at that point in time. Want to think about
8 that as well.
9 And then that being thought of, what other
10 things on the agenda?
11 MS. FOX: Well, I think it would be good if we
12 had a report on the community trucking concerns so
13 that --
14 MR. SCOTT: Okay.
15 MS. FOX: -- you guys are meeting outside,
16 bring it back.
17 MR. SCOTT: Okay.
18 MS. FOX: And I -- and I really believe 'cause
19 it keeps coming up that we need to have some time for
20 the Parcel E, the landfill, the fire, whatever we're
21 calling it these days, because it's still a -- you know,
22 unresolved.
23 MR. MACH: I'm sorry. What is it that you want
24 to hear?
25 MS. FOX: Just sort of a stat., you know. I

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1 don't know we -- I know you've been doing these long
2 status reports; but if we can do five minutes on each,
3 you know, what -- like, five minutes on "C," five on --
4 just sort of a general status overview, whatever, you
5 know, rather than these long ones, just kind of --
6 MR. SCOTT: Brief updates or something like
7 that?
8 MS. FOX: Well, if there's anything happening.
9 MR. MACH: Okay.
10 MR. SCOTT: And if there's nothing happening --
11 MS. FOX: Unless we have something else --
12 MR. SCOTT: -- there's nothing to say?
13 MS. FOX: -- but that fills up two hours,
14 basically.
15 MR. SCOTT: Okay.
16 I see hands, but let me check with board
17 members first since we gotten --
18 MS. FOX: Yeah.
19 MR. SCOTT: -- out agenda.
20 Yes, go ahead.
21 DR. SUMCHAI: I'm sure that we're probably
22 going to have some continuing results from the
23 radioactive waste from the remediation project, so if
24 there is follow-up on that information.

25 I also had some specific questions about some

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1 data that I received, and I'll reserve those questions
2 until the next meeting.
3 MR. MACH: I have -- I have a couple quick
4 things to add.
5 I have spoken to our experts at the
6 Radiological Affairs Support Office. They would be
7 willing to come out to a meeting with someone and
8 discuss radiation in depth.
9 There are so many things on next month's
10 agenda, I don't know -- you know, if you're going to fly
11 these guys out and really address radiation, I would
12 probably want to set more time to allow them to address
13 your concerns as opposed to giving them ten minutes on
14 the agenda.
15 With respect to the current radiation that is
16 out -- or what we have stored in bins right now, we're
17 hoping to dispose of that within the next three weeks or
18 so. So by the next RAB meeting, it should all be gone.
19 And they have taken readings outside the bins, and there
20 is absolutely zero detectable radiation outside the bins
21 other than the natural ambient that you're exposed to at
22 all times.
23 So the calculations that they actually came up
24 with for the ambient, when you multiply it all out, it
25 comes out to 130 micro rems per year; and the average

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1 person through living in houses, exposed to soil,
2 exposed to sunlight, receives 360 micro rems per year.
3 So that's exactly one third of your normal exposure.
4 That is essentially background.
5 DR. SUMCHAI: Okay. But there -- there's data
6 here we shouldn't go into it. I do think that we
7 should.
8 The data here suggested that there's some
9 spikes in selected aromatic hydrocarbons that have been
10 detected as part of the monitoring.
11 There also were some elevations -- actual
12 elevations of uranium that are identified. I think that
13 probably a focused agenda item that deals with the air
14 sampling and radiologic sampling at the remediation site
15 is appropriate; and if it's not possible that we can do
16 it next meeting, then certainly we need to focus on it
17 by the meeting following then. But I think it should be
18 a priority item that we should address at the next
19 meeting.
20 MR. SCOTT: Okay.
21 MR. MACH: I suggest we try and schedule it for
22 the May meeting so we can take care of all the other
23 action items we're talking about. And lot of your
24 concerns will be addressed as we do the final survey,
25 well to hopefully close out the site. So I think May

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1 might be a better time to schedule that, and I can start
2 making arrangements at this time.
3 MR. SCOTT: Is that okay with you in May?
4 DR. SUMCHAI: Sure.
5 MR. SCOTT: Any other Board members want to add
6 something to the agenda?
7 Great. There's a comment behind me you wanted
8 to --?
9 MS. AGUIRRE: Yeah. I wanted to talk about two
10 places. I wonder if it would be possible for everybody
11 to have a nonemotional discussion on meeting on Kiska
12 Road, you know.
13 A lot of us have been -- maybe -- you know,
14 maybe I can justify, a lot of us that live at
15 Bayview-Hunters Point know that a lot of us who live in,
16 you know, certain parts of the neighborhood do
17 participate all the time. And yet, some of the people
18 that are more directly affected we have found it very,
19 very difficult in the 11 years that I have been a
20 resident in Bayview to include the residents of the hill
21 in all of our meetings.
22 And so lately we have been trying to encourage
23 everybody that -- you know, that it's important that we
24 work at integrating both of the communities, that we
25 have as many meetings up there as possible, because we

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1 do have -- you know, we do get a lot of people to come
2 to meetings when the meetings are held over there.
3 So, you know, I really think, you know, that it
4 would be a good idea for the members to have a
5 nonemotional discussion about it. I think it's possible
6 to have it. I have been at meetings there. They are
7 very well going to attend it by people in the community,
8 and they are fine.
9 Number two, in terms of community participation
10 in the agenda, I've been a member of the Project Area
11 Committee from the git-go. Originally until a year and
12 a half ago, we used to have a community participation
13 part at the end of the agenda. We found that people
14 would complain that as the agenda items were being
15 discussed, they really had no say-so.
16 So about a year and a half ago, it was changed
17 so that if you look at the agenda, it will say in there
18 that at the end of the item, people who -- of each item,
19 people who are there may participate if they want to,
20 okay. So I just want you to think about it.
21 Those papers and stuff like that, that is so
22 downtown, you know. That is so downtown. A lot of us
23 don't particularly care for that kind of thing. But if
24 you want to be downtown, that's okay, I guess.
25 MR. SCOTT: Okay. Point of clarification.

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1 One, I don't think that's what Jill was proposing.
2 MS. AGUIRRE: No, no.
3 MR. SCOTT: She --
4 MS. AGUIRRE: Again --
5 MR. SCOTT: Let me -- let me -- let me finish.
6 We listened.
7 We all -- What we're proposing is that on the
8 agenda there be an item specific that says, "Community
9 Comments." So if there's comments that community
10 members want to bring to the RAB because of some
11 emergency or something has gone on in the community,
12 they have a point to bring it at that point in time.
13 Any discussion that goes on with any other item
14 just as it has always been, the -- the RAB members made
15 comments as well as members of the community made
16 comments. It is not taken away from the members of the
17 community to make a comment on various items as we go
18 through the agenda. It is only to create an item
19 specific so that if there is something that comes up
20 within the community that needs to be addressed at that
21 particular time, they have a space on the agenda to make
22 it happen.
23 And I understand that to be --
24 MS. FOX: Yes.
25 MR. SCOTT: -- to be right.

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1 Okay. So with that, the other thing I want to
2 ask is: Are you then asking this RAB to consider
3 putting on the agenda a discussion about having a
4 meeting on the hill? Was that -- was that --?
5 MS. AGUIRRE: I'm not --
6 MR. SCOTT: Was that your question?
7 MS. AGUIRRE: I'm not a voting member --
8 MR. SCOTT: No. I'm asking --
9 MS. AGUIRRE: -- so I didn't know whether I
10 could do that.
11 MR. SCOTT: No. What I'm saying is: Are you
12 asking the RAB to consider that? Right. You can't --
13 MS. AGUIRRE: I would like to have a
14 nonemotional discussion --
15 MR. SCOTT: Okay.
16 MS. AGUIRRE: -- on -- on having meetings up
17 there, not all the time.
18 MR. SCOTT: Yeah, I know.
19 MS. AGUIRRE: I mean, you know, at least start
20 by having --
21 MR. SCOTT: I follow you.
22 MS. AGUIRRE: -- one and see how people feel
23 and --
24 MR. SCOTT: I follow you.
25 MS. AGUIRRE: -- work at it.

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1 MR. SCOTT: So -- so Board members who are
2 here, are -- do -- do you -- with everything we have
3 talked about, are you prepared to add that item to the
4 agenda next month?
5 MS. ESPINOZA: We just discussed it.
6 MS. ATTENDEE: We just had it last month.
7 MS. ESPINOZA: We moved five times.
8 MR. SCOTT: Okay. We just had one? So it
9 won't be on the agenda next month. That's all I want to
10 have clear. Okay. Great.
11 With that --
12 MR. BROWN: We're getting there.
13 MR. SCOTT: With that we have the items that we
14 want to -- that we want to have on the agenda next month
15 and --
16 MS. FOX: I got it.
17 MR. SCOTT: -- that was the last thing I wanted
18 to talk about.
19 So with that I will adjourn the meeting.
20 (Whereupon, the meeting ceases at
21 8:40 p.m., 3/22/01.)
22 ---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 9th day of April, 2001.


CHRISTINE M. NICCOLI, C.S.R. NO. 4569

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**Hunters Point Shipyard
Monthly Progress Report
February 2001**

This monthly progress report (MPR) summarizes environmental restoration activities conducted by the Navy at Hunters Point Shipyard (HPS) during February 2001. 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 February 2001 Activities

- Continued delineation and confirmation soil sampling at excavations not currently meeting the cleanup goals.
- Continued perimeter air monitoring and cleanup actions at delineated remedial action areas.
- Continued conducting soil vapor extraction (SVE) tests for the Phase II SVE treatability study at Building 123.
- Submitted the final Bay Mud aquitard technical memorandum.
- Submitted the final RD Amendment.
- Submitted the draft chert-manganese technical memorandum.
- Submitted the final October to December 2000 groundwater monitoring quarterly report.
- Submitted the final storm drain infiltration study report.

Parcel B March 2001 - April 2001 Activities

- Prepare and submit the January-March 2001 quarterly groundwater monitoring report.
- Continue perimeter air monitoring and cleanup actions at delineated remedial action areas.
- Prepare and submit the final manganese technical memorandum.
- Prepare and submit ESD 2001.

Parcel C February 2001 Activities

- Conducted SVE system start-up and constant rate testing for the Phase II SVE treatability study at volatile organic contaminant (VOC) areas (also includes portions of Parcels B and E).
- Conducted bench tests, injection/monitoring well construction, and baseline groundwater sampling for chemical oxidation treatability study at VOC groundwater areas.
- Continued delineation sampling for soil removal actions.
- Continued fuel and steam line inspections for pipeline removal actions.
- Continued groundwater sampling for Phase II groundwater data gaps investigation.

Parcel C March 2001 - April 2001 Activities

- Complete system startup and conduct constant rate testing for Phase II SVE treatability study at VOC areas.
- Complete baseline groundwater sampling, conduct slug testing, and begin chemical injection for chemical oxidation treatability study at VOC groundwater areas.
- Prepare and submit the revised Phase II groundwater data gap FSP/QAPP addendum.
- Prepare and submit the final beneficial use determination letter.
- Prepare and submit the draft CAP for Parcels C, D, and E.
- Continue fuel and steam line removal actions.
- Continue soil delineation activities for the soil removal actions.
- Complete groundwater sampling for Phase II groundwater data gaps investigation.

Parcel D February 2001 Activities

- Continued the fuel and steam line removal action activities.
- Continued soil delineation activities for the soil removal actions.
- Completed groundwater sampling for Phase II groundwater data gaps investigation.

Parcel D March 2001 - April 2001 Activities

- Prepare and submit the revised Phase II groundwater data gap FSP/QAPP addendum.
- Prepare and submit the final beneficial use determination letter.
- Prepare and submit the draft CAP for Parcels C, D, and E.
- Prepare and submit the basewide fuel and steam line removal work plan.
- Complete soil delineation activities and begin excavation for the soil removal actions.
- Continue fuel and steam line removal actions.

Parcel E February 2001 Activities

- Collected air samples around the landfill fire area during working hours of cap construction.
- Continued emergency removal action to cap the smoldering area of the landfill as an interim action.
- Conducted SVE system startup for Phase II SVE treatability study at Building 406 (limited field activities in Parcel E).
- Continued radiation removal action activities.

Parcel E March 2001 - April 2001 Activities

- Prepare and submit the revised Phase II groundwater data gap FSP/QAPP addendum.
- Prepare and submit the final beneficial use determination letter.
- Prepare and submit the draft CAP for Parcels C, D, and E.
- Submit the soil data gaps investigation work plan for Parcel E.
- Continue air monitoring adjacent to the fire burn area.
- Complete installing the cap covering the fire burn area.
- Complete SVE system startup for Phase II SVE treatability study at Building 406 (limited field activities in Parcel E).
- Conduct groundwater sampling for Phase II groundwater data gaps investigation.

Parcel F February 2001 Activities

- Submitted the draft validation study response to comments and the toxicity identification evaluation (TIE).
- Completed the winter sediment dynamics fieldwork.

Parcel F March 2001 - April 2001 Activities

- Complete the final VS work plan.
- Submit the Winter sediment dynamics study field report.

2.0 SCHEDULE

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

Activities Conducted	Date
BCT monthly meeting	February 6, 2001
Emergency Response Plan Community Meeting	February 9, 2001
Submitted Parcel B final Bay Mud aquitard technical memorandum	February 19, 2001
Submitted Parcel B final RD amendment	February 20, 2001
Submitted Parcel F Validation Study work plan response to comments and TIE plan	February 22, 2001
RAB Meeting	February 22, 2001
Submitted the chert-manganese technical memorandum	February 28, 2001
Submitted final storm drain infiltration study technical memorandum	February 28, 2001
Continued pre-excavation confirmation sampling for the Parcel D soil removal action	through February 2001
Continued installation of the cap at the Parcel E landfill fire smoldering areas	through March 2001
Continued SVE treatability study field activities at Parcel B, C, and E VOC areas	through May 2001
Continued groundwater treatability study activities at Parcel C VOC areas	through June 2001

Activities Planned	Date
Parcel D meeting to discuss soil delineation results and scope FS	March 1, 2001
Submit the final Parcel A FOST	March 2, 2001
Submit the final October to December 2000 groundwater monitoring quarterly report	March 2, 2001
Parcel B RA Report scoping meeting	March 6, 2001
Submit the Draft Final Parcel B LUCIP Revision 1	March 6, 2001
Submit basewide soil and pipeline removal work plan	March 6, 2001
Submit Draft Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP) for Parcel E Data Gaps	March 7, 2001
Parcel B ESD scoping meeting	March 8, 2001
BCT monthly meeting	March 13, 2001
Manganese technical meeting	March 22, 2001
RAB Meeting	March 22, 2001
Submit the CAP for Parcels C, D, and E	March 28, 2001
Emergency Response Plan Community Meeting	TBD
Submit the final beneficial use determination letter	April 12, 2001
Submit the final Phase II groundwater data gap FSP/QAPP Addendum	April 12, 2001
Meet to discuss the Parcel F Human health Risk Assessment Work Plan (tentative)	April 12, 2001
Submit the draft January-March 2001 quarterly groundwater monitoring report	April 20, 2001
Submit the Final Manganese Technical Memorandum	April 20, 2001
Submit the draft ESD 2001 for Parcel B	April 20, 2001
Submit the final Parcel F Validation Study work plan	April 23, 2001
BCT monthly meeting	April 24, 2001
RAB Meeting	April 26, 2001
Emergency Response Plan Community Meeting	TBD
Continue pre-excavation confirmation sampling for the Parcel C soil removal action	through April 2001

3.0 OTHER

- The Navy is preparing an integrated emergency response plan for the installation and conducting meetings with community to design a community notification plan to be used in the event of an emergency.

“Life on earth has developed with an ever present background of radiation. It is not something new, invented by the wit of man: radiation has always been there.”

Eric J. Hall, Professor of Radiology, College of Physicians and Surgeons, Columbia University.

Radiation all around us

Our world is radioactive and has been since it was created. Humans have been exposed to radiation from natural sources since the dawn of time. Radionuclides are found in air, water and soil, and additionally in us, being that we are products of our environment. Every day, we ingest/inhale nuclides in the air we breathe, in the food we eat and the water we drink. Radioactivity is common in the rocks and soil that makes up our planet, in the water and oceans, and even in our building materials and homes. It is just everywhere. There is no where on Earth that you can get away from Natural Radioactivity.

Everything in our world contains small amounts of radioactive atoms like Potassium 40, Radium 226 and Radon 222. These are either left over from the creation of the world (like Uranium and Radium) or made by interactions with cosmic radiation (like Carbon 14 and Tritium). The Earth is constantly receiving cosmic radiation from outer space. These natural sources of radiation make up approximately 82 percent of the average annual dose to the US public.

Everyone by now has probably heard of radon. Radon comes from the decay (change) of Uranium, a natural element. Uranium decays through a long chain of radionuclides that includes radon. Radon is a noble gas; not chemically active so it migrates through porous materials like the ground and your house's foundation. The radon itself has a small chance of decay as you breathe it in and out. Most of our actual dose comes from the decay products of radon, sometimes called radon daughters or radon progeny. These radon progeny are particles not gases, and can be deposited in your lungs as you breathe. There they have some chance of decaying before your body can get rid of them, resulting in a radioactive dose.

There are several other naturally occurring radioactive nuclides. Most notable are Carbon-14 (C-14) and Potassium 40 (K-40). They are made by cosmic ray interactions and eventually make their way into our food chain. Once ingested, they can decay and give us an internal dose. Over 60 radionuclides can be found in nature, and they can be placed in three general categories:

1. Primordial - been around since the creation of the Earth
2. Cosmogenic - formed as a result of cosmic ray interactions
3. Human produced - enhanced or formed due to human actions

Primordial Radionuclides

Primordial radionuclides are left over from when the world and the universe were created. They are typically long lived, with half-lives often on the order of hundreds of millions of years. The progeny or decay products of the long-lived radionuclides are also in this heading. Here is few of what we are talking about:

Nuclide	Symbol	Half-life	Natural Activity
Uranium 235	²³⁵ U	704,000,000 yrs	0.72% of all natural uranium
Uranium 238	²³⁸ U	4,470,000,000 yrs	99.2745% of all natural uranium; 0.5 to 4.7 PPM total uranium in the common rock types
Thorium 232	²³² Th	14,100,000,000 yrs	1.6 to 20 PPM in the common rock types with a average of 10.7 PPM
Radium 226	²²⁶ Ra	1,600 yrs	0.42 pCi/g in limestone and 1.3 pCi/g in igneous rock
Radon 222	²²² Rn	3.82 days	annual average air concentrations range in the US from 0.016 pCi/L to 0.75 pCi/L
Potassium 40	⁴⁰ K	1,280,000,000 yrs	soil - 1-30 pCi/g

Cosmogenic

Cosmic radiation permeates all of space, the source being primarily outside of our solar system.. The upper atmosphere interacts with many of the cosmic radiations, and produces radioactive nuclides. They can have long half-lives, but the majority have shorter half-lives than the primordial nuclides. Here is a table with some common cosmogenic nuclides:

Nuclide	Symbol	Half-life	Source	Natural Activity
Carbon 14	¹⁴ C	5730 yr	Cosmic-ray interactions	6 pCi/g
Tritium 3	³ H	12.3 yr	Cosmic-ray interactions with Nitrogen and Oxygen	0.032 pCi/kg
Beryllium 7	⁷ Be	53.28 days	Cosmic-ray interactions with Nitrogen and Oxygen	0.27 pCi/kg

Human Produced

Humans have used radioactivity for one hundred years, and through its use, added to the natural inventories. The amounts are small compared to the natural amounts discussed above, and due to the shorter half-lives of many of the nuclides, have seen a marked decrease since the halting of above ground testing of nuclear weapons. Here are a few nuclides:

Nuclide	Symbol	Half-life	Source
Tritium	³ H	12.3 yr	Produced from weapons testing and fission reactors; reprocessing facilities, nuclear weapons manufacturing
Iodine 131	¹³¹ I	8.04 days	Fission product produced from weapons testing and fission reactors, used in medical treatment of thyroid problems
Iodine 129	¹²⁹ I	15,700,000 yrs	Fission product produced from weapons testing and fission reactors
Cesium 137	¹³⁷ Cs	30.17 yr	Fission product produced from weapons testing and

			fission reactors
Strontium 90	⁹⁰ Sr	28.78 yr	Fission product produced from weapons testing and fission reactors
Technetium 99m	^{99m} Tc	6.03 hr	Decay product of ⁹⁹ Mo, used in medical diagnosis
Technetium 99	⁹⁹ Tc	211,000 yrs	Decay product of ^{99m} Tc
Plutonium 239	²³⁹ Pu	24,100 yrs	Produced by neutron bombardment of ²³⁸ U

Natural Radioactivity in the Ocean

How much natural radioactivity is found in the world's oceans? All water on the Earth, including seawater, contains radionuclides in it. In the following table, the oceans' volumes (Pacific = $6.549 \times 10^{17} \text{ m}^3$, Atlantic = $3.095 \times 10^{17} \text{ m}^3$) were calculated from the *1990 World Almanac*.

Nuclide	Activity used in calculation	Ocean		
		Pacific	Atlantic	All Oceans
Uranium	0.9 pCi/L	$6 \times 10^8 \text{ Ci}$	$3 \times 10^8 \text{ Ci}$	$1.1 \times 10^9 \text{ Ci}$
Potassium 40	300 pCi/L	$2 \times 10^{11} \text{ Ci}$	$9 \times 10^{10} \text{ Ci}$	$3.8 \times 10^{11} \text{ Ci}$
Tritium	0.016 pCi/L	$1 \times 10^7 \text{ Ci}$	$5 \times 10^6 \text{ Ci}$	$2 \times 10^7 \text{ Ci}$
Carbon 14	0.135 pCi/L	$8 \times 10^7 \text{ Ci}$	$4 \times 10^7 \text{ Ci}$	$1.8 \times 10^8 \text{ Ci}$
Rubidium 87	28 pCi/L	$1.9 \times 10^{10} \text{ Ci}$	$9 \times 10^9 \text{ Ci}$	$3.6 \times 10^{10} \text{ Ci}$

The activities used in the table below are from 1971 *Radioactivity in the Marine Environment*, National Academy of Sciences:

Human body

You are made up of chemicals, and it should be of no surprise that some of them are radionuclides, many of which you ingest daily in your water and food. Here are the estimated concentrations of radionuclides calculated for a 155 pound adult based ICRP 30 data:

Nuclide	Total Mass of Nuclide Found in the Body	Total Activity of Nuclide Found in the Body
Uranium	90 μg	30 pCi
Thorium	30 μg	3 pCi
Potassium 40	17 mg	120 nCi
Radium	31 pg	30 pCi
Carbon 14	95 μg	0.4 μCi
Tritium	0.06 pg	0.6 nCi
Polonium	0.2 pg	1 nCi

Natural Radioactivity in Building Materials

As mentioned before, building materials have some radioactivity in them. Listed below are a few common building materials and their estimated levels of uranium, thorium and potassium.

Material	Uranium		Thorium		Potassium	
	PPM	pCi/g	PPM	pCi/g	PPM	pCi/g
Granite	4.7	1.7	2	0.22	4.0	32
Sandstone	0.45	0.2	1.7	0.19	1.4	11.2
Cement	3.4	1.2	5.1	0.57	0.8	6.4
Limestone concrete	2.3	0.8	2.1	0.23	0.3	2.4
Sandstone concrete	0.8	0.3	2.1	0.23	1.3	10.4
Dry wallboard	1.0	0.4	3	0.32	0.3	2.4
By-product gypsum	13.7	5.0	16.1	1.78	0.02	0.2
Natural gypsum'	1.1	0.4	1.8	0.2	0.5	4
Wood'	-	-	-	-	11.3	90
Clay Brick"	8.2	3	10.8	1.2	2.3	18

NCRP 94, 1987, Chang et al, 1974 " Hamilton, 1970

Annual Effective Dose Equivalent

The following was developed by the National Council on Radiation Protection and Measurement (NCRP 93) and is a breakdown of the sources of radiation for the population of the United States. These numbers are averages and were obtained by estimating the total dose for the US, and dividing by the number of people in the US.

SOURCE	DOSE (mrem/yr)	DOSE (mSv/yr)	PERCENT OF TOTAL
Natural			
Radon	200	2.0	55%
Cosmic	27	0.27	8%
Terrestrial	28	0.28	8%
Internal	39	0.39	11%
Total Natural	300	3	82%
Artificial			
Medical X ray	39	0.39	11%
Nuclear medicine	14	0.14	4%
Consumer products	10	0.1	3%
Other			
Occupational	0.9	<0.01	<0.3

Nuclear Fuel Cycle	<1	<0.01	<0.03
Fallout	<1	<0.01	<0.03
Miscellaneous	<1	<0.01	<0.03
Total Artificial	63	0.63	18%
Total Artificial and Natural	360	3.6	100%

Radiation in the home

There are some small sources of radiation in the home. Your television set accelerates electrons to make the picture on the screen, and produces a few low energy x-rays. Smoke detectors contain small sources in them. These sources emit radiation that is easily stopped even by smoke, and that way detects the presence of smoke. The sources of radiation around the home, not counting natural sources like radon, tend to make up a small fraction of the background dose.

Radiation in the work place

Persons in many occupations encounter radiation above normal background as a natural part of their jobs. Some of these occupations include doctors, nurses, radiographers, astronauts, dental hygienists, researchers, pharmacists, welders, airplane and jet crews. The doses received can be up to several rem of exposure over the course of a year.

Medical uses of radiation

Medical uses of radiation are roughly broken into therapy and diagnosis. Therapy is primarily used for tumor killing of cancer, but in the past has been used for other treatments. Most of the dose is received in a small area of the body. Diagnosis runs from fairly routine x-rays to injections of radioactive material and imaging. These doses can be several hundred mrem for diagnosis and up to several hundred rems locally for treatments. The physician who prescribes radiation treatments and diagnosis weighs the risk of the radiation with the benefit of the treatment.

Doses from various sources

The following is a comparison of limits, doses and dose rates from many different sources. Most of this data came from Radiobiology for the Radiologist, by Eric Hall or BEIR V, National Academy of Science. Ranges have been given if known. All doses are whole body total unless otherwise noted. The doses for x-rays are for the years 1980-1985 and could be lower today.

Limits for Exposures	Exposure	Range
Occupational Dose limit (US – NRC)	5000 mrem/year	
Occupational Exposure Limits for Minors	500 mrem/year	
Occupational Exposure Limits for Fetus	500 mrem	

Public dose limits due to licensed activities (NRC)	100 mrem/year	
Occupational Limits (eye)	15,000 mrem/year	
Occupational Limits (skin)	50,000 mrem/year	
Occupational Limits (extremities)	50,000 mrem/year	
Source of Exposure		
Average Dose to US public from All sources	360 mrem/year	
Average Dose to US Public From Natural Sources	300 mrem/year	
Average Dose to US Public From Medical Sources	53 mrem/year	
Average dose to US Public from Weapons Fallout	< 1 mrem/year	
Average Dose to US Public From Nuclear Power	< .1 mrem/year	
Coal Burning Power Plant	< .2 mrem/year	
X-rays from old TV set (1 inch)	< .5 mrem/hour	
Airplane ride (36,000 ft.)	< .5 mrem/hour	
Nuclear Power Plant (normal operation at plant boundary)	< .6 mrem/year	
Natural gas in home	9 mrem/year	
Average Natural Background	0.008 mR/hour	0.006-0.015 mR/hour
Average US Cosmic Radiation	27 mrem/year	
Average US Terrestrial Radiation	28 mrem/year	
Terrestrial background (Atlantic coast)	16 mrem/year	
Terrestrial background (Rocky Mountains)	40 mrem/year	
Cosmic Radiation (Sea level)	26 mrem/year	
Cosmic Radiation (Denver)	50 mrem/year	
Background Radiation Total (East, West, Central US)	46 mrem/year	35-75 mrem/year
Background Radiation Total (Colorado Plateau)	90 mrem/year	75-140 mrem/year
Background Radiation Total (Atlantic and Gulf in US)	23 mrem/year	15-35 mrem/year
Radionuclides in the body (i.e., potassium)	39 mrem/year	
Building materials (concrete)	3 mrem/year	
Drinking Water	5 mrem/year	
Pocket watch (radium dial)	6 mrem/year	
Eyeglasses (containing thorium)	6-11 mrem/year	
Coast to coast Airplane roundtrip	5 mrem	
9 cigarettes smoked	3.2 mrem	
Chest x-ray	8 mrem	5 - 20 mrem
Extremities x-ray	1 mrem	
Dental x-ray	10 mrem	
Head/neck x-ray	20 mrem	
Cervical Spine x-ray	22 mrem	

Lumbar spinal x-rays	130 mrem	
Pelvis x-ray	44 mrem	
Hip x-ray	83 mrem	
Shoe Fitting Fluoroscope (not in use now)	170 mrem	
Upper GI series	245 mrem	
Lower GI series	405 mrem	
CT (head and body)	1,100 mrem	
Bone Scan	500 mrem	



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CALIFORNIA PUBLIC RESOURCES CODE

Division 2. Geology, Mines and Mining

Mines & Geology

CHAPTER 7.8 SEISMIC HAZARDS MAPPING

Last Updated: 11/27/00

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NOTE: You may also obtain the text of this code from the California Legislative Analyst's web site.

CHAPTER 7.8 SEISMIC HAZARDS MAPPING

2690. Citation of chapter

This chapter shall be known and may be cited as the Seismic Hazards Mapping Act.

2691. Legislative findings and declaration

The Legislature finds and declares all of the following:

(a) The effects of strong ground shaking, liquefaction, landslides, or other ground failure account for approximately 95 percent of economic losses caused by an earthquake.

(b) Areas subject to these processes during an earthquake have not been identified or mapped statewide, despite the fact that scientific techniques are available to do so.

(c) It is necessary to identify and map seismic hazard zones in order for cities and counties to adequately prepare the safety element of their general plans and to encourage land use management policies and regulations to reduce and mitigate those hazards to protect public health and safety.

2692. Additional legislative intent

(a) It is the intent of the Legislature to provide for a statewide seismic hazard mapping and technical advisory program to assist cities and counties in fulfilling their responsibilities for protecting the public health and safety from the effects of strong ground shaking, liquefaction, landslides, or other ground failure and other seismic hazards caused by earthquakes.

(b) It is further the intent of the Legislature that maps and accompanying information provided pursuant to this chapter be made available to local governments for planning and development purposes.

(c) It is further the intent of the Legislature that the Division of Mines and Geology, in implementing this chapter, shall, to the extent possible, coordinate its activities with, and use existing information generated from, the earthquake fault zones mapping program pursuant to Chapter 7.5 (commencing with Section 2621), the landslide hazard identification program pursuant to Chapter 7.7 (commencing with Section 2670), and the inundation maps prepared pursuant to Section 8589.5 of the Government Code.

2692.1. Tsunami and seiche information; distribution

The State Geologist may include in maps compiled pursuant to this chapter information on the potential effects of tsunami and seiche when information becomes available from other sources and the State Geologist determines the information is appropriate for use by local government. The State Geologist shall not be required to provide this information unless additional funding is provided both to make the determination and to distribute the tsunami and seiche information.

2693. Definitions

As used in this chapter:

(a) "City" and "county" includes the City and County of San Francisco.

(b) "Geotechnical report" means a report prepared by a certified engineering geologist or a civil engineer practicing within the area of his or her competence, which identifies seismic hazards and recommends mitigation measures to reduce the risk of seismic hazard to acceptable levels.

(c) "Mitigation" means those measures that are consistent with established practice and that will reduce seismic risk to acceptable levels.

(d) "Project" has the same meaning as in Chapter 7.5 (commencing with Section 2621), except as follows:

(1) A single-family dwelling otherwise qualifying as a project may be exempted by the city or county having jurisdiction of the project.

(2) "Project" does not include alterations or additions to any structure within a seismic hazard zone which do not exceed either 50 percent of the value of the structure or 50 percent of the existing floor area of the structure.

(e) "Commission" means the Seismic Safety Commission.

(f) "Board" means the State Mining and Geology Board.

2694. Disclosure by property seller or agent

(a) A person who is acting as an agent for a seller of real property that is located within a seismic hazard zone, as designated under this chapter, or the seller, if he or she is acting without an agent, shall disclose to any prospective purchaser the fact that the property is located within a seismic hazard zone.

(b) In all transactions that are subject to Section 1102 of the Civil Code, the disclosure required by subdivision (a) of this section shall be provided by either of the following means:

(1) The Local Option Real Estate Transfer Disclosure Statement as provided in Section 1102.6a of the Civil Code.

(2) The Natural Hazard Disclosure Statement as provided in Section 1102.6c of the Civil Code.

(c) Disclosure is required pursuant to this section only when one of the following conditions is met:

(1) The seller, or seller's agent, has actual knowledge that the property is within a seismic hazard zone.

(2) A map that includes the property has been provided to the city or county pursuant to Section 2622, and a notice has been posted at the offices of the county recorder, county assessor, and county planning agency that identifies the location of the map and any information regarding changes to the map received by the county.

(d) If the map or accompanying information is not of sufficient accuracy or scale that a reasonable person can determine if the subject real property is included in a seismic hazard zone, the agent shall mark "Yes" on the Natural Hazard Disclosure Statement. The agent may mark "No" on the Natural Hazard Disclosure Statement if he or she attaches a report prepared pursuant to subdivision (c) of Section 1102.4 of the Civil Code that verifies the property is not in the hazard zone. Nothing in this subdivision is intended to limit or abridge any existing duty of the seller or the seller's agents to exercise reasonable care in making a determination under this subdivision.

(e) For purposes of the disclosures required by this section, the following persons shall not be deemed agents of the seller:

(1) Persons specified in Section 1102.11 of the Civil Code.

(2) Persons acting under a power of sale regulated by Section 2924 of the Civil Code.

(f) For purposes of this section, Section 1102.13 of the Civil Code applies.

(g) The specification of items for disclosure in this section does not limit or abridge any obligation for disclosure created by any other provision of law or that may exist in order to avoid fraud, misrepresentation, or deceit in the transfer transaction.

2695. Development of guidelines, priorities, policies, and criteria

(a) On or before January 1, 1992, the board, in consultation with the director and the commission, shall develop all of the following:

(1) Guidelines for the preparation of maps of seismic hazard zones in the state.

(2) Priorities for mapping of seismic hazard zones. In setting priorities, the board shall take into account the following factors:

(A) The population affected by the seismic hazard in the event of an earthquake.

(B) The probability that the seismic hazard would threaten public health and safety in the event of an earthquake.

(C) The willingness of lead agencies and other public agencies to share the cost of mapping within their jurisdiction.

(D) The availability of existing information.

(3) Policies and criteria regarding the responsibilities of cities, counties, and state agencies pursuant to this chapter. The policies and criteria shall address, but not be limited to, the following:

(A) Criteria for approval of a project within a seismic hazard zone, including mitigation measures.

(B) The contents of the geotechnical report .

(C) Evaluation of the geotechnical report by the lead agency.

(4) Guidelines for evaluating seismic hazards and recommending mitigation measures.

(5) Any necessary procedures, including, but not limited to, processing of waivers pursuant to Section 2697, to facilitate the implementation of this chapter.

(b) In developing the policies and criteria pursuant to subdivision (a), the board shall consult with and consider the recommendations of an advisory committee, appointed by the board in consultation with the commission, composed of the following members:

(1) An engineering geologist registered in the state.

(2) A seismologist.

(3) A civil engineer registered in the state.

(4) A structural engineer registered in the state.

(5) A representative of city government, selected from a list submitted by the League of California Cities.

(6) A representative of county government, selected from a list submitted by the County Supervisors Association of California.

(7) A representative of regional government, selected from a list submitted by the Council of Governments.

(8) A representative of the insurance industry.

(9) The Insurance Commissioner.

All of the members of the advisory committee shall have expertise in the field of seismic hazards or seismic safety.

(c) At least 90 days prior to adopting measures pursuant to this section, the board

shall transmit or cause to be transmitted a draft of those measures to affected cities, counties, and state agencies for review and comment.

2696. Maps: Preparation, distribution, and notice

(a) The State Geologist shall compile maps identifying seismic hazard zones, consistent with the requirements of Section 2695. The maps shall be compiled in accordance with a time schedule developed by the director and based upon the provisions of Section 2695 and the level of funding available to implement this chapter.

(b) The State Geologist shall, upon completion, submit seismic hazard maps compiled pursuant to subdivision (a) to the board and all affected cities, counties, and state agencies for review and comment. Concerned jurisdictions and agencies shall submit all comments to the board for review and consideration within 90 days. Within 90 days of board review, the State Geologist shall revise the maps, as appropriate, and shall provide copies of the official maps to each state agency, city, or county, including the county recorder, having jurisdiction over lands containing an area of seismic hazard. The county recorder shall record all information transmitted as part of the public record.

(c) In order to ensure that sellers of real property and their agents are adequately informed, any county that receives an official map pursuant to this section shall post a notice within five days of receipt of the map at the office of the county recorder, county assessor, and county planning agency, identifying the location of the map and any information regarding changes to the map and the effective date of the notice.

2697. City and county responsibilities; geotechnical reports; waiver or approval; submission of copies

(a) Cities and counties shall require, prior to the approval of a project located in a seismic hazard zone, a geotechnical report defining and delineating any seismic hazard. If the city or county finds that no undue hazard of this kind exists, based on information resulting from studies conducted on sites in the immediate vicinity of the project and of similar soil composition to the project site, the geotechnical report may be waived. After a report has been approved or a waiver granted, subsequent geotechnical reports shall not be required, provided that new geologic datum, or data, warranting further investigation is not recorded. Each city and county shall submit one copy of each approved geotechnical report, including the mitigation measures, if any, that are to be taken, to the State Geologist within 30 days of its approval of the report.

(b) In meeting the requirements of this section, cities and counties shall consider the policies and criteria established pursuant to this chapter. If a project's approval is not in accordance with the policies and criteria, the city or county shall explain the reasons for the differences in writing to the State Geologist, within 30 days of the project's approval.

2698. City or county policies and criteria may be stricter

Nothing in this chapter is intended to prevent cities and counties from establishing policies and criteria which are more strict than those established by the board.

2699. Use of map information in safety elements and ordinances

Each city and county, in preparing the safety element to its general plan pursuant to subdivision (g) of Section 65302 of the Government Code, and in adopting or revising land use planning and permitting ordinances, shall take into account the information provided in available seismic hazard maps.

2699.5. Seismic Hazards Identification Fund

(a) There is hereby created the Seismic Hazards Identification Fund, as a special fund in the State Treasury. Notwithstanding Section 13340 of the Government Code, the moneys in the fund are continuously appropriated to the division for the purposes of this chapter.

(b) Notwithstanding Section 5001 of the Insurance Code, one-half of 1 percent of the earthquake surcharge moneys received by the California Residential Earthquake Recovery Fund in any calendar year shall be transferred to the Seismic Hazards Identification Fund for the purposes of carrying out this chapter. This subdivision shall become operative only if Assembly Bill 3913 or Senate Bill 2902 of the 1989-90 Regular Session of the Legislature is enacted and takes effect.

2699.6. Operative date of chapter

This chapter shall become operative on April 1, 1991.

[Click here to return to Chapter 7.8 Index](#)

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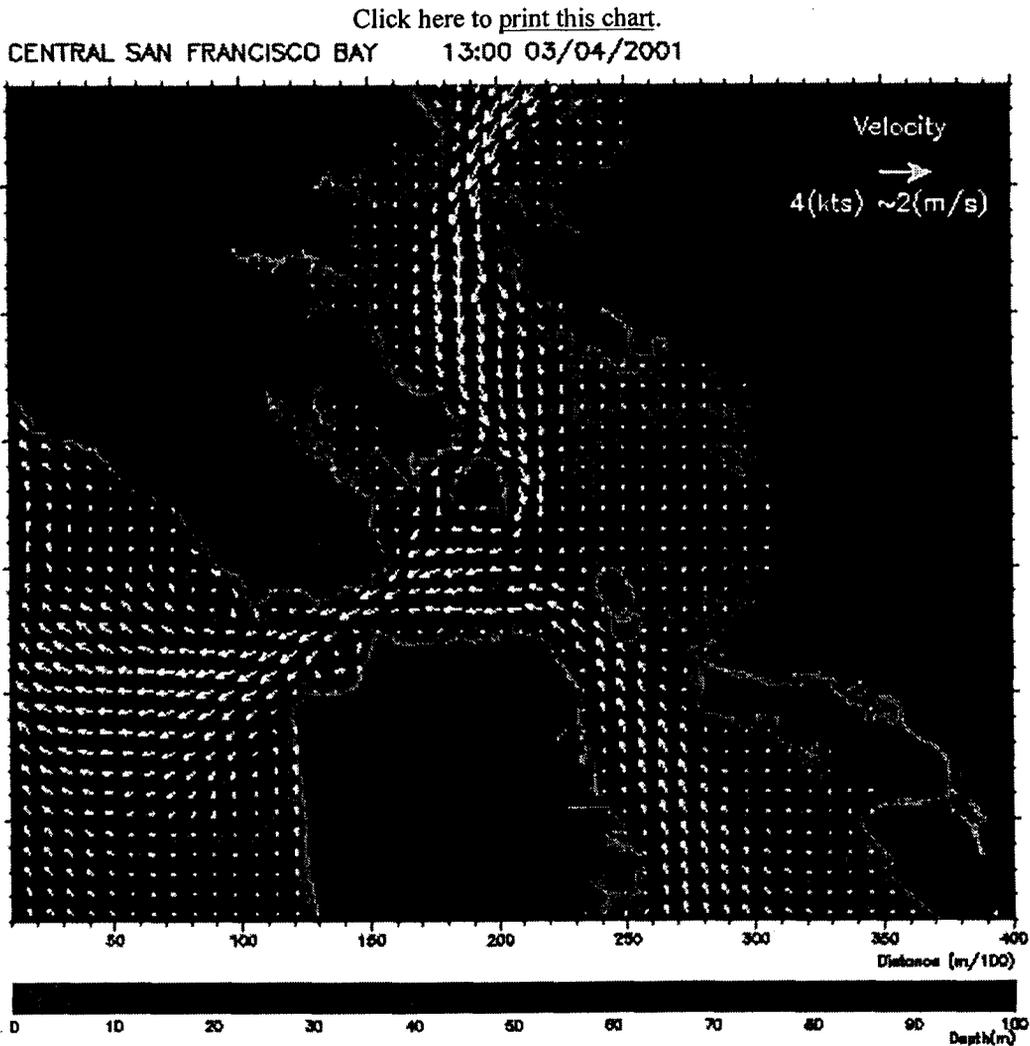
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	USGS		<h2>Near Real Time Current Velocity Maps</h2>	- Top - Feedback
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Velocity vectors computed by the TRIM model are displayed here with bathymetry shaded in blue.

CLICK on an area of interest to zoom in and display vectors over a NOAA navigation chart.



South San Francisco Bay	Central Bay	San Pablo Bay	Suisun Bay
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SAN FRANCISCO BAY WIND PATTERNS

[SITE MAP](#)



San José State
UNIVERSITY

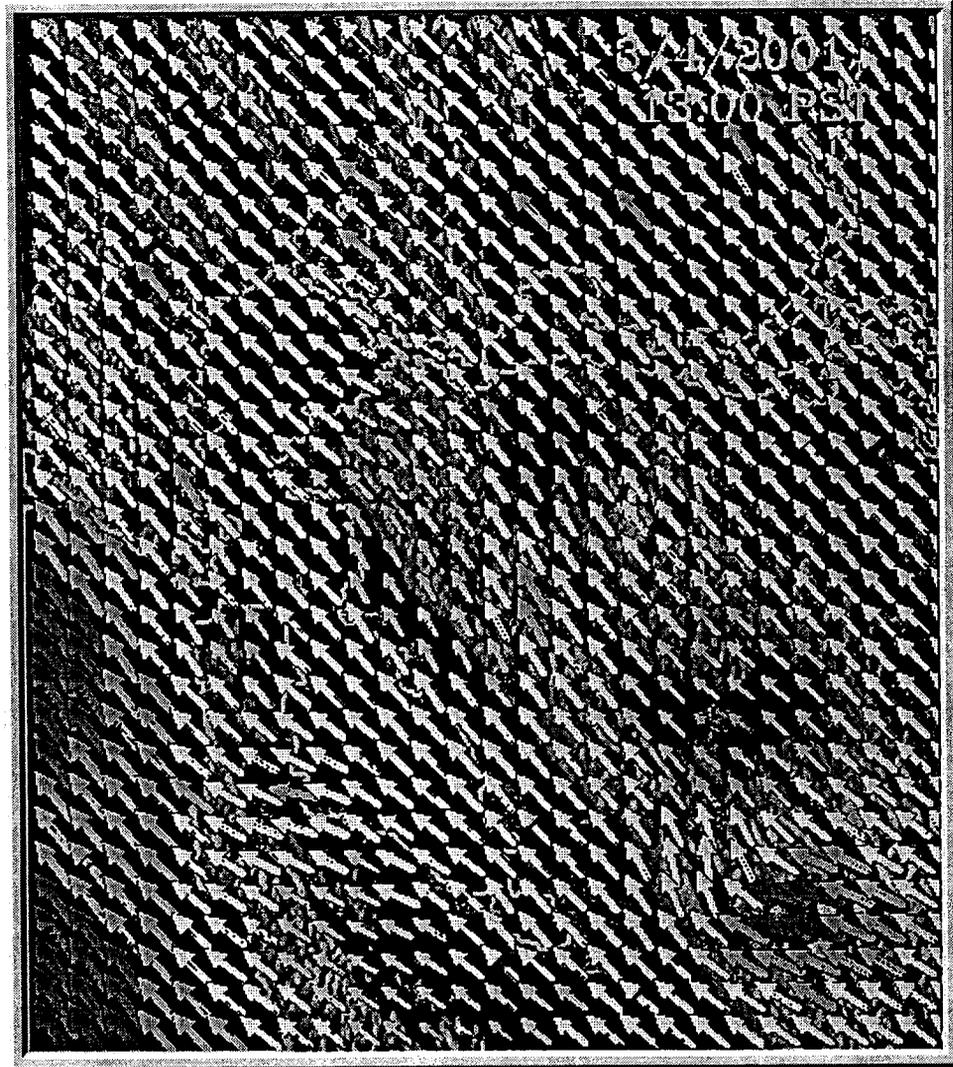


Francis L. Ludwig

[Observed Wind
Over S.F. Bay](#)

[How are the
winds generated?](#)

[SFPORTS: Tides
& Winds,
Currents](#)



0 - 4.9 5 - 9.9 10 - 14.9 15 - 19.9 20 - 24.9 25

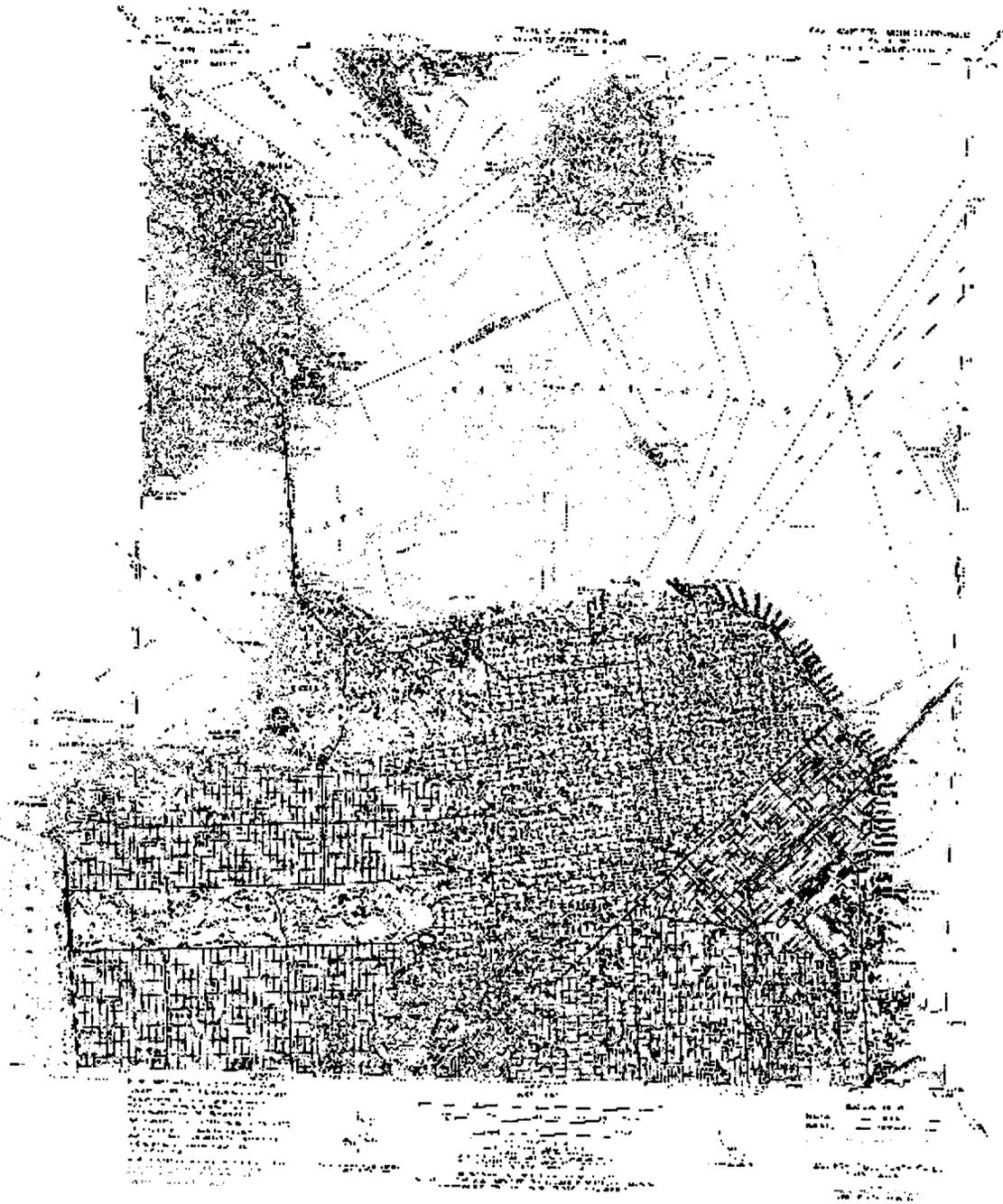
5 PM	6 PM	7 PM	8 PM	9 PM	10 PM
11 PM	12 AM	1 AM	2 AM	3 AM	4 AM
5 AM	6 AM	7 AM	8 AM	9 AM	10 AM
11 AM	12 PM	23-hour MPEG animation			

Take a look at our new [Streakline Animation!](#) (Requires a Java enabled browser)

Click on the map to get a precise reading

Wind speeds are in **knots**. Arrow size indicates exact speed, color gives approximate speed. All speeds are for the wind at **10 meters** above the surface elevation and directions are from **true north**.

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Study Finds Area Rife With Risk Of Liquefied Soil Airports, pipeline in peril in quake

Thursday, February 8, 2001
San Francisco Chronicle
CHRONICLE SECTIONS

David Perlman, Chronicle Science Editor

Earthquakes triggering liquefaction in water-soaked soils pose widespread hazards to buildings, airports and underground pipelines throughout the Bay Area, geologists warned in a new report yesterday.

The report by the Association of Bay Area Governments for the first time includes "interactive" Internet maps of almost every city in the Bay Area that the public can use to locate where the city may be susceptible to liquefaction.

The report was developed with the help of researchers at the U.S. Geological Survey. It is posted, along with the regional maps, on the association's Web site at quake.abag.ca.gov.

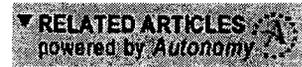
Liquefaction occurs when loose or sandy soils becomes saturated with water just beneath the surface and gives way under intense shaking, subjecting structures to stresses that can pull them apart. That is what happened to many buildings during the 1989 Loma Prieta earthquake.

Charles Real, manager of the seismic hazards mapping program run by the state's Division of Mines and Geology, noted that even in areas where liquefaction hazards were real, damage was unpredictable and might strike one building while it missed another next to it.

"Nature is very complicated, and hazards can vary in very narrow areas," he said at a workshop in Oakland yesterday marking release of the report.

Liquefaction triggered by earthquakes can create two major effects when water underground rises

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up to saturate the soil near the surface, explained Thomas L. Holzer an engineering geologist at the U.S. Geological Survey in Menlo Park.

The soil becomes so saturated that it acts exactly like a true liquid. If the soil lies on even a slight slope, it can slide downhill and slosh back and forth, ripping foundations apart, tilting entire buildings and buckling underground pipelines.

On flat ground, structures can literally sink deeply into the liquefied soil.

"Basically, you're asking buildings to float," Holzer said. And though pipelines can often withstand even severe seismic ground shaking where the ground is dry, when soil liquefies, pipelines are gravely at risk, he said.

John Baldwin, a senior project geologist with the Walnut Creek seismic engineering firm headed by William L. Lettis, described a newly completed preliminary study of liquefaction susceptibility at the Bay Area's three international airports. He said that each faced unique problems:

-- In Oakland, old landfill and bay muds underlie the runways. Studies based on 180 boreholes drilled there show the possibility of new damage in a severe quake on the Hayward fault.

-- At San Francisco's airport, where only 20 boreholes have been studied, the fill beneath the runways is denser. The greatest susceptibility to liquefaction -- if a quake hits on the San Andrea fault -- appears to be along the airport's perimeter.

-- San Jose's airport, built where two creeks formerly flowed into the bay, faces a different problem. Part of the airport's current \$2 billion improvement program involves strengthening runways and building barriers to prevent underground water from reaching the soil beneath both buildings and runways.

In San Francisco, the 300-acre Mission Bay development is well under way, but its ground is



What is liquefaction? Liquefaction may occur when water-saturated sandy soils are subjected to earthquake ground shaking. When soil liquefies, it loses strength and behaves as a viscous liquid (like quicksand) rather than as a solid. This can cause buildings to sink into the ground or tilt, empty buried tanks to rise to the ground surface, slope failures, nearly level ground to shift laterally tens of feet (lateral spreading), surface subsidence, ground cracking, and sand blows.

Because of extensive urban development in Northern California since 1906, the strong earthquakes expected in the coming decades may be very destructive. For example, a magnitude 7 earthquake occurring today on the Hayward Fault (a part of the San Andreas Fault system, along the densely populated eastern side of San Francisco Bay) would likely cause hundreds of deaths and almost \$100 billion of damage. In 1990, the USGS reported that there is a 67% chance that one or more quakes of about magnitude 7 or larger will occur in the San Francisco Bay area before the year 2020.

Future strong temblors in Northern California are inevitable, but the damage they cause can be reduced significantly with adequate preparation. Studies of earthquake shaking, active faults, and the response of structures to shaking have already led to improved building codes and a better understanding of how to reduce the threat posed by earthquakes.

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The following information is contained in the DRAFT Guidelines for liquefaction studies under consideration by the California Division of Mines and Geology (CDMG). They are being provided here as a service. For more information on the CDMG Program, [click here](#).

Liquefaction is a process by which water-saturated materials (including soil, sediment, and certain types of volcanic deposits) lose strength and may fail during strong ground shaking. Liquefaction is defined as "the transformation of a granular material from a solid state into a liquefied state as a consequence of increased pore-water pressure" (Youd, 1973, p. 1).

Liquefaction occurs worldwide, commonly during moderate to great earthquakes. In California, liquefaction-related ground failures occurred in 1857 (Fort Tejon earthquake), 1906 (San Francisco earthquake), 1933 (Long Beach earthquake), 1971 (San Fernando earthquake), 1973 (Point Mugu earthquake), 1979 and 1981 (Imperial Valley earthquakes), 1989 (Loma Prieta earthquake), and 1994 (Northridge earthquake), and others.

Four kinds of ground failure commonly result from liquefaction: lateral spread, flow failure, ground oscillation, and loss of bearing strength.

Lateral Spread

Lateral displacement of surficial blocks of sediment as the result of liquefaction in a subsurface layer is called a *lateral spread*. Once liquefaction transforms the subsurface layer into a fluidized mass, gravity plus inertial forces that result from the earthquake may cause the mass to move downslope towards a cut slope or free face (such as a river channel or a canal). Lateral spreads most commonly occur on gentle slopes that range between 0.3° and 3°, and commonly displace the surface by several meters to tens of meters. Such movement typically damages pipelines, utilities, bridges, and other structures having shallow foundations. During the 1906 San Francisco earthquake, lateral spreads causing displacement of only a few feet damaged every major pipeline that broke. Thus, liquefaction compromised the ability to fight the fires that caused about 85 percent of the damage to San Francisco.

Flow Failure

The most catastrophic mode of ground failure caused by liquefaction, flow failure usually occurs on slopes greater than 3°. The flows are principally liquefied soil or blocks of intact material riding on a liquefied subsurface zone. Displacements are commonly tens of meters, but in favorable circumstances, has

displaced material tens of miles at velocities of tens of miles per hour. The extensive damage to Seward and Valdez, Alaska, during the 1964 Alaska earthquake was caused by submarine flow failures.

Ground Oscillation

When liquefaction occurs at depth but the slope is too gentle to permit lateral displacement, the soil blocks that are not liquefied may decouple from one another and oscillate on the liquefied zone. The resulting ground oscillation may be accompanied by the opening and closing of fissures and sand boils, potentially damaging structures and underground utilities.

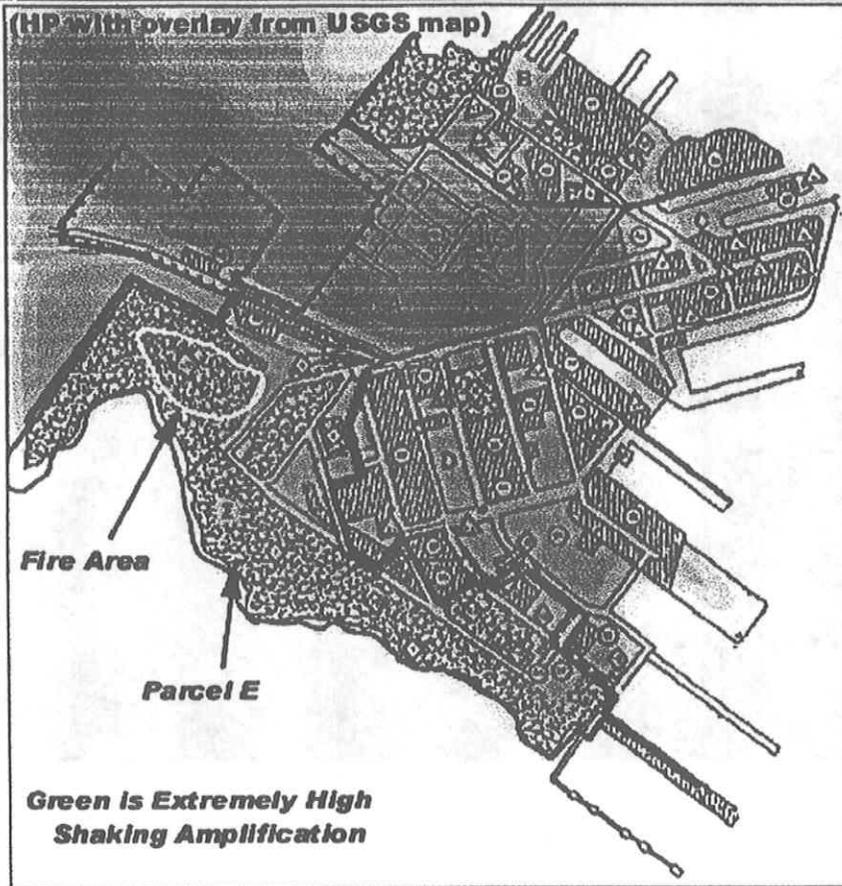
Loss of Bearing Strength

When a soil loses strength and liquefies, loss of bearing strength may occur beneath a structure, possibly causing the building to settle and tip. If the structure is buoyant, it may float upward. During the 1964 Niigata, Japan, earthquake, buried septic tanks rose as much as 3 feet and structures in the Kwangishicho apartment complex tilted as much as 60°.

Research into the process and consequences of liquefaction in past earthquakes have linked liquefaction to certain hydrologic and geologic settings, characterized by water-saturated, cohesionless, granular materials situated at depths of less than 40 feet. In simplified terms, the procedure used to delineate areas having significant potential for liquefaction requires development of a liquefaction susceptibility map and a liquefaction opportunity map. The former depicts areas where the geology and hydrology are favorable for liquefaction, and the latter summarizes information about the potential for strong earthquake shaking. When considered together, the two maps determine the liquefaction potential—the relative likelihood that an earthquake will cause liquefaction in an area. The following areas are those identified as being favorable for liquefaction:

1. Areas known to have experienced liquefaction during historic earthquakes.
2. Areas of uncompacted fills containing liquefaction susceptible material that are saturated, nearly saturated, or may be expected to become saturated.
3. Areas where sufficient existing geotechnical data and analyses indicate that the soils are potentially liquefiable.
4. Areas containing young (less than 15,000 years) soils where there is limited or no geotechnical data.

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ARTICLE "STUDY FINDS AREA RIFE WITH RISK OF
LIQUEIFIED SOIL AIRPORTS, PIPELINE, IN PERIL IN
QUAKE" PAGE 3 OF 3

PUBLIC INFORMATION MATERIALS FOR THE
RESTORATION ADVISORY BOARD MEETING FOR
22 MARCH 2001

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TELEPHONE: (619) 532-3676

SUPERVISOR MAXWELL OPENS HEARINGS TO CALL FOR FULL CLEANUP AT THE HUNTERS POINT SHIPYARD

**This past November over 280,000 San Francisco voters said yes to PROPOSITION P.
We told the Navy, and Federal & State regulators that Hunters Point Shipyard
must be cleaned to the HIGHEST LEVELS TO PROTECT OUR HEALTH!**

**District 10 Supervisor Sophie Maxwell is taking the first step to implement the
voters' overwhelming mandate. On March 27th, Supervisor Maxwell will
hold a hearing to question the Navy, the regulators, and City staff and
MAKE PROPOSITION P CITY POLICY.**

TUESDAY, MARCH 27, 2001 @ 10:00 AM City Hall, 2nd Floor Hearing Room

SCHEDULED TO APPEAR—

- NAVY & EPA OFFICIALS FROM WASHINGTON DC**
- STATE OF CALIFORNIA REGULATORS**
- SAN FRANCISCO DEVELOPMENT PROJECT MANAGERS**
- SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH**

**for more info contact:
Office of Sup. Maxwell
Ms. Sara He
(415) 554-7671**



**for rides, contact:
BAYVIEW HUNTERS POINT
COMMUNITY ADVOCATES
(415) 671-2862**

BY-LAWS

HUNTERS POINT NAVAL SHIPYARD RESTORATION ADVISORY BOARD

1. Purpose and Scope. The purpose of the Restoration Advisory Board (RAB) will be to review, comment and make recommendations to the Base Realignment and Closure (BRAC) Cleanup Team (BCT) on matters pertaining to the restoration and environmental cleanup of Hunters Point Naval Shipyard. In addition, the RAB should act as a forum for information exchange between the installation, affected community, Department of Defense (DOD), reuse groups, and regulatory agencies. The RAB shall be conducted in accordance with all applicable DOD and Environmental Protection Agency (EPA) guidelines.
2. Regular Meetings of the RAB. The RAB will meet once a month at a regularly scheduled day and time selected by the RAB members. The public shall be notified of the date, time, and location as provided by applicable law.
3. Special Meetings of the RAB. Special meetings of the RAB may be called at any time by the co-chairs or a majority of the members of the RAB by oral or written notice to each member of the RAB and to any other entity or person legally required to receive notice of RAB meetings. Notice shall be received at least 24 hours before the time of the meeting, and the notice shall include the date, time and place of the meeting and the business to be transacted. If the special meeting is to occur at a location other than the regular meeting location, a 15-day notice of the special meeting will be required. Special meetings should be announced at the regular RAB meetings, in public notices or other related flyers to the site mailing list.
4. Quorum. A quorum for the transaction of official business shall be considered present if at least four community members are in attendance.
5. Voting. The RAB members may vote on any issues of concern to the RAB. A majority vote of the members present at a meeting is required for passage of any motion. Each member who wishes to vote must be physically present. No proxy or absentee ballots may be counted toward acceptance or denial of any motion. A RAB member may be an alternate for other seats on the RAB but each member is only allowed one vote regardless of how many seats they represent.

Each member of the RAB is encouraged to provide comments, suggestions, and recommendations and participate in open discussion about all environmental issues related to the cleanup at Hunters Point Shipyard.

6. Open and Public Meetings. All meetings of the RAB shall be open and public, and all persons shall be permitted to attend any meeting of the RAB or its sub-committees, including special meetings.
7. Attendance by Governmental Agency Representatives and Members Designated by Government Agencies. All RAB members are expected to attend regular meetings. Although the RAB has no power to force government agency representatives or members designated by government agencies to attend the meetings, the RAB may write letters to the respective agency to encourage their participation or request that their appointed representatives be replaced.

8. Attendance by Community Organization Representatives and Individual Members. All RAB members are expected to attend regular meetings. Each member may designate an alternate to attend in his or [sic] her place. If a community organization representative or individual member or his or her alternate is absent from four meetings in a row he or she will be automatically removed from the RAB. There will be no distinction between excused and unexcused absences.

Once a community organization representative or his or her alternate is absent from their fourth meeting, the community organization will be asked to send a new representative or reappoint the same representative. If the organization does not send a representative in 30 days then the organization will be permanently removed from the RAB. The RAB may vote to waive this rule for a member with special circumstances.

9. Term of Office. Each community member will serve an initial two-year term. Elections for new members or reappointment of existing members will be held the meeting following receipt of a member application or reappointment request in July every two years. All appointees to vacant seats will serve out the term of that seat. Community members may be ~~reelected~~remain indefinitely to any seat on the RAB.
10. Minutes. Minutes of each meeting of the RAB shall be recorded by the Navy as a summary of the meeting. A copy of the minutes shall be furnished to each RAB member within 10 days prior to the next meeting. Minutes of sub-committee meetings may be approved and incorporated into RAB meeting minutes. RAB members shall review, comment and approve minutes at the next regular meeting of the RAB. A verbatim transcript of the meetings will also be prepared by the Navy.
11. Resignations. A member of the RAB may resign by giving notice in writing to the co-chairs.
12. Membership Selection Criteria. The membership sub-committee or entire RAB membership will use, at a minimum, the following criteria for selecting RAB members. Additional criteria may be established at any time by the membership subcommittee or the entire RAB.

Members will be evaluated for:

1. Willingness to meet the purpose of the RAB (as stated in item #1 of these by-laws)
2. Ability to work effectively and cooperatively with other RAB members
3. Ability to make a positive contribution to the RAB
4. Ability to serve a two-year term

In addition, when reviewing applications for the RAB, the membership subcommittee will strive to select representatives from the following types of organizations or individuals with qualities mentioned below:

Type	Number of Seats
Local Community Organizations	4
Environmental Organizations	2
Local Homeowner's Association or Residence Council	2
Local Contractor's Organization	2
Youth Organization	1
Educational/Training Organization	1
Organization of Businesses on the Shipyard	1
Organization of Businesses in the Community	1
Union Organization	1
Religious Organization	1

Individuals with diverse background and connections in the community	3
Individuals with special expertise	4

The number of organizational seats should be used as guidance not a rule. If the membership subcommittee or entire RAB is unable to find organizations to fill some of these seats, then individuals who meet the first four criteria, should be appointed to the RAB as individual members.

In addition to these categories, two community organizations have permanent seats on the RAB because they are designated by government agencies, so long as their designation remains:

- The Mayor's Hunters Point Shipyard Citizens Advisory Committee
- U.S. EPA's Technical Assistance Grant Recipient

13. Filing Vacancies. A vacancy is defined as a seat 1) that has never been filled, or 2) from which a RAB member has officially resigned, or 3) that has been vacated because the member has missed four meetings in a row as defined under the section on attendance, or 4) where the member's term has expired and the member was not reelected or reappointed.

The membership subcommittee or entire RAB will review all RAB member applications, on file whenever a position on the RAB becomes available. If no suitable applications are on file, then new applications will be solicited by placing advertisements in the local newspaper and in the Navy's Environmental Cleanup News. In addition, announcement of RAB openings will be made at the RAB meetings and at the Mayor's Hunters Point Shipyard Citizens Advisory Committee Meetings. The membership subcommittee or entire RAB will submit its recommendations for new members to the full RAB for discussion and vote.

14. Election of Community Co-Chair. The community co-chair shall serve a term of one year from July 1 to June 30. Prior to the expiration of the community co-chair's term, the RAB will announce the availability of the co-chair's position. Interested RAB members will have the opportunity to 'self nominate' or nominate a member of the RAB for the co-chair's position. At the first regular meeting of the RAB after the community co-chair term expires all community members of the RAB shall elect a co-chair. For the purposes of this vote, the community members eligible to vote include all local government representatives, organizations and individuals designated by local government, community organization members and individual members. Community members who are unable to attend the meeting where the community co-chair is elected, may submit their vote in writing to the Navy co-chair prior to commencement of the meeting. A majority vote of all community members on the RAB is required for election of the community co-chair. The community co-chair may be reelected indefinitely. If a community co-chair resigns or loses their seat, the new co-chair will be elected and will finish out the term and then have to run for reelection.

15. Duties of Navy and Community Co-Chairs. The Navy and community co-chairs shall preside over all meetings of the RAB. When both co-chairs are absent, alternates designated by the respective co-chair may lead the RAB meeting. The co-chairs may authorize RAB representatives to attend meetings and hearings for the purpose of representing the RAB. The co-chairs are responsible for preparing and soliciting input for the agenda as well as assuring that the concerns of the community are heard and recorded and that the RAB's comments and/or recommendations are forwarded to the BRAC Cleanup Team and Navy for incorporation within the decision making process at Hunters Point Shipyard.

16. Subcommittees. Subcommittees shall be established by a vote of the RAB. Each sub-committee shall elect a subcommittee chairperson, who shall be a RAB representative. Members of the public may sit on and participate in any subcommittee.

17. Amendments. Amendments to these by-laws require a majority vote at a regular RAB meeting. Written notice of the amendments and their terms must be given at least one week prior to the meeting.

18. Parliamentary Authority. Matters not covered by these by-laws shall be governed by Roberts Rules of Order.

19. Rules of Conduct. All RAB members and members of the public are encouraged to express their opinion on any matter of consideration before the RAB. In the interest of trying to conduct the meetings within a reasonable time frame, each agenda item will be discussed among the RAB members first and then the public will be allowed time to comment. The chair may limit the time allotted for public comment.

Hunters Point Shipyard
RAB Member Attendance Sheet
August - March 2001

Table 1								
Current RAB Members								
Name	Affiliation	24-Aug	28-Sep	26-Oct	07-Dec	25-Jan	22-Feb	22-Mar
Blackwell, Darnell *	ECDC/Waste Solutions Group							
Brownell, Amy *	S.F. Dept. of Public Health							
Cook, Anna Marie *	U.S. EPA Region 9							
Crowder, Nia		X	X					
Dacus, Sr., Charles L.		X	X	X		X	X	
DeMars, David	Navy SWDIV	X		X		X		
Espinoza, Laurie			X	X		X	X	
Fortney, Catherine *	Bay Area Air Quality Mgmt District							
Fox, Jill	India Basin Neighborhood Assoc	X		X	X	X	X	
Fracuza, Bonnie *								
Franklin, Marie *	Shoreview Environment Justice Movement							
Harris, Michael *	S.F. Lawyer's Comm for Urban Affairs							
Harrison, Marie			X	X	X	X	X	
Heagy, James *	Forest Hill Assoc.							
Job, Brad	Regional Water Quality Control Board	X	X	X	X	X	X	
Job, Michael *								
Kao, Chein	Cal. Dept of Health Services		X	X	X	X	X	
Lane, Jacqueline Ann	U.S. EPA Region IX	X	X				X	
Lauth, Sheryl	U.S. EPA Region IX		X			X		
Mach, Richard	Navy SWDIV	X	X	X		X	X	
Martin, Michael *	Cal. Dept of Fish & Game							
McDowell, Willie *	WHGS Youth Bayview H.P.							
Peterson, Dorothy		X	X	X	X	X	X	
Shirley, Christine	ARC Ecology				X		X	
Sullivan, Laurie *	NOAA/U.S. EPA Reg IX (H-1-2)							
Trombadore, Claire	U.S. EPA Region IX (H-9-2)			X				
Washington, Caroline	SE Campus Advisory Board					X	X	
White, Gwenda *	UJAMAA Westbrook							
Zimmerman, Karita *	Luster							

* no attendance during August 2000 - March 2001

Hunters Point Shipyard
RAB Membership Applications
--Status--

Table 2	
List of RAB Membership Applicants	
(applications on-file with Richard Mach, Navy RAB Co-chair)	
Name	Affiliation
Bruno, Mildred Dean	Infinity Gospel Ministries
Ganley, Richard	
Hasegawa, Mitsuyo	JRM Associates
Lantsberg, Alex	
Manuel, J.R.	JRM Associates
Mitchell, Patricia	Environmental Finance
Rodriguez, Jim	Smart Living
Shin, Harry	Associated Builders
Sumchai, Ahimsa Porter	BVHP Health & Environmental Assessment
Tisdell, Keith	Resident



BECHTEL ENVIRONMENTAL, INC.

CLEAN 3 TRANSMITTAL/DELIVERABLE RECEIPT

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

Document Control No. CTO-007/0217

File Code: 0208, 0216.1, 0216.2, 0216.3

TO Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, 02R1
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: April 11, 2001
CTO #: 007
LOCATION: Hunters Point Shipyard

FROM: [Signature]
Jerald F. Bailey, Project Manager

DESCRIPTION: Public Information Materials/Restoration Advisory Board (RAB) Meeting
For March 22, 2001, for Hunters Point Shipyard dated April 2001

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

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

ADMIN RECORD: Yes [X] No [] U.S. EPA Category Confidential

SCHEDULED DELIVERY DATE: N/A ACTUAL DELIVERY DATE: 11 April 2001

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J. Howell-Payne, 06B2.JH (O) R. Keichline (1C)
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D. DeMars, 06CH.DD (1C/1E)
R. Mach, 06CH.RM (1C/0E)**

O = Original Transmittal Sheet
C = Copy Transmittal Sheet
E = Enclosure
** - Enclosure to R. Mach hand-delivered by R. Keichline on 11-Apr-01

Date/Time Received



CLEAN 3 Program
Bechtel Job No. 23818
Contract No. N-68711-95-D-7526
File Code: 0208, 0216.1, 0216.2, 0216.3

IN REPLY REFERENCE: CTO-007/0217

11 April 2001

Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 02R1
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: Public Information Materials/Restoration Advisory Board (RAB) Meeting for
March 22, 2001 for Hunters Point Shipyard

Dear Mr. Selby:

Enclosed for your review, please find copies of the Public Information Material Packet for the Hunters Point Shipyard, Restoration Advisory Board meeting held on 22 March 2001. This Public Information Material Packet contains the final Reporter's Transcript from that meeting.

If you have any questions, please contact me at (619) 744-3095 or Ronald Keichline, CTOL, at (619) 744-3603.

Very truly yours,

A handwritten signature in black ink, appearing to read "J.F. Bailey", is written over a light-colored background.

Jerald F. Bailey
Project Manager

JFB/ray
Enclosures

4/11/2001, 1:12 PM, bu 1:\clean3\cto\hunters point\cto007\forms\transmittal forms\public info matls 4-10.doc