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6 HUNTERS POINT SHIPYARD  
7 RESTORATION ADVISORY BOARD  
8  
9  
10 REPORTER'S TRANSCRIPT OF MEETING  
11  
12 July 22, 2004  
13  
14 Dago Mary's Restaurant  
15 Hunters Point Shipyard, Building 916  
16 Donahue Street at Hudson Avenue  
17 San Francisco, California  
18  
19 Reported by Christine M. Niccoli, RPR, C.S.R. No. 4569  
20 -----  
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Page 1

1 PARTICIPANTS  
2  
3 FACILITATOR:  
4 MARSHA PENDERGRASS - Pendergrass & Associates  
5 CO-CHAIR:  
6 MAURICE CAMPBELL - Business Development, Inc.  
7 (BDI); Citizens Advisory Committee;  
8 Community First Coalition (CFC); New  
9 California Media; NEW BAYVIEW NEWSPAPER  
10  
11 RAB MEMBERS & REGULATORS  
12  
13 LANI ASHER - Communities for a Better Environment (CBE),  
14 Community First Coalition (CFC)  
15 AMY BROWNELL - San Francisco Department of Public Health  
16 BARBARA BUSHNELL - Residents of the Southeast Sector  
17 (R.O.S.E.S.), Silverview Terrace Homeowners  
18 Association, resident  
19 MARIE J. FRANKLIN - Shoreview Environmental Justice  
20 Movement Inc.  
21 CHRIS HANIF - Young Community Developers (YCD)  
22 JACQUELINE ANN LANE - U.S. Environmental Protection  
23 Agency (EPA)  
24 TOM LANPHAR - California Department of Toxic Substances  
25 Control (DTSC)

Page 2

1 RAB MEMBERS & REGULATORS [Cont.]:  
2  
3 LEA LOIZOS - Arc Ecology  
4 JAMES MORRISON - Environmental Technology, R.O.S.E.S.  
5 GEORGIA OLIVA - Communities for a Better Environment  
6 (CBE), CCA member  
7 KAREN G. PIERCE - Bayview Advocates, Bayview-Hunters  
8 Point Democratic Club, Bayview-Hunters Point Health &  
9 Environmental Assessment Program (HEAP)  
10 JAMES D. PONTON - San Francisco Bay Regional Water  
11 Quality Control Board  
12 MELITA RINES - India Basin Neighborhood Association  
13 AHIMSA PORTER SUMCHAI - Bayview-Hunters Point Health &  
14 Environmental Resource Center (HERC)  
15 KEITH TISEDELL - Hunters Point resident  
16 MICHAEL WORK - U.S. Environmental Protection Agency (EPA)  
17 LEHUANANIKEALAKAUILANIALOHILANILEILANI WRIGHT - JRM  
18 Associates  
19 ---oOo---

Page 3

1 AUDIENCE  
2  
3 JOHN ADAMS - SulTech  
4 PATRICK BROOKS - United States Navy  
5 ADON CAPOBRES - San Francisco Redevelopment Agency  
6 GLENN CHRISTENSEN - United States Navy  
7 TOMMIE JEAN DAMREL - SulTech  
8 STEVE DICKSON - Young Community Developers  
9 JENNIFER GIBSON - SulTech  
10 CAROLYN HUNTER - SulTech  
11 FRANK NICCOLI - The Village Gardener, Foothill College  
12 RALPH PEARCE - United States Navy  
13 DENNIS M. ROBINSON - Shaw Environmental &  
14 Infrastructure, Inc.  
15 LEE H. SAUNDERS - United States Navy  
16 CLIFTON J. SMITH - C.J. Smith & Associates, Eagle  
17 Environmental Construction  
18 PETER STROGANOFF - United States Navy ROICC Office  
19 ROBERT SURBER - Pendergrass & Associates  
20 JULIA VETROMILE - SulTech  
21 PETER WILSEY - San Francisco Department of Public Health

Page 4

1 SAN FRANCISCO, CALIFORNIA, THURSDAY, JULY 22, 2004  
 2 6:01 P.M.  
 3 ---oOo---

4 MS. PENDERGRASS: This meeting will now come to  
 5 order. Welcome, everybody, to the Hunters Point  
 6 Shipyard Restoration Advisory Board meeting for  
 7 Thursday, the 22nd of July, 2004.

8 Thank you. You're welcome. Gosh, it's such a  
 9 small crowd tonight, I'm going to have to keep it down,  
 10 so -- keep the roar down.

11 Couple of things. I'm Marsha Pendergrass, and  
 12 I'll be facilitating tonight, and I also want to  
 13 introduce a colleague, Robert Surber. Robert will be  
 14 facilitating our meeting next month, okay? So just  
 15 wanted to let you know that.

16 As always, we'll start with introductions. And  
 17 let's see. Where should we start tonight? Let's start  
 18 with Miss Pierce.

19 MS. PIERCE: Karen Pierce, RAB member, here on  
 20 time.

21 MS. LOIZOS: Me? Lea Loizos, RAB member. I  
 22 represent Arc Ecology.

23 MS. OLIVA: Georgia Oliva, RAB member, artist  
 24 at the Shipyard.

25 MS. PENDERGRASS: This way. Okay. All right.  
 Page 5

1 Thank you. All right.

2 MR. CAMPBELL: Maurice Campbell, Community  
 3 First Coalition.

4 MR. BROOKS: Pat Brooks, the Navy's lead  
 5 Remedial Project Manager.

6 MS. WRIGHT:  
 7 Lehuanikealakaualanialohilanleilani Wright, RAB member.

8 MR. WORK: Michael Work, U.S. EPA.

9 MR. PONTON: Jim Ponton, the Water Board,  
 10 California.

11 MR. HANIF: Chris Hanif, RAB member, Young  
 12 Community Developers.

13 MS. BUSHNELL: Barbara Bushnell, ROSES.

14 MS. PENDERGRASS: Welcome back, Barbara.

15 MS. BUSHNELL: Thank you.

16 MR. MORRISON: James Morrison, resident.

17 MS. PENDERGRASS: Now, can I just ask that the  
 18 audience, when you introduce yourself, can you do it  
 19 loudly and clear so that the reporter can catch your  
 20 name? That will be great.

21 MR. NICCOLI: Frank Niccoli, married to the  
 22 court reporter.

23 MR. PEARCE: Ralph Pearce, Remedial Project  
 24 Manager for the Navy.

25 MR. CHRISTENSEN: Glenn Christensen, Navy  
 Page 6

1 Remedial Project Manager.

2 MS. GIBSON: Jennifer Gibson with SulTech.

3 MS. DAMREL: Tommie Jean Damrel with SulTech.

4 MS. PENDERGRASS: Go ahead.

5 MR. ADAMS: John Adams, SulTech.

6 MS. LANE: Jackie Lane, community involvement,  
 7 EPA.

8 MR. SMITH: Clifton Smith, consultant,  
 9 technical adviser for CFC.

10 MR. ROBINSON: Dennis Robinson, Shaw  
 11 Environmental.

12 MR. STROGANOFF: Peter Stroganoff with the Navy  
 13 ROICC Office.

14 MR. SURBER: Robert Surber still.

15 MS. HUNTER: Carolyn Hunter, SulTech.

16 MS. VETROMILE: Julia Vetromile, SulTech.

17 MR. DICKSON: Steve Dickson, Young Community  
 18 Developers.

19 MS. PENDERGRASS: Thank you so much. That's  
 20 great.

21 Okay. Can I remind all the RAB members to  
 22 please sign in; and if you have a designee, you need to  
 23 make sure that you write that designation down as well.

24 All rightie.

25 Has everybody had a chance to review the  
 Page 7

1 agenda? Anybody not had a chance to review the agenda?

2 All right. Everything all right? Any  
 3 suggestions or changes or anything?

4 Great. We're going to just move right along  
 5 with that. Why don't we just move to approval of the  
 6 minutes? Has everybody had a chance to review the  
 7 minutes from our meeting of June 24th?

8 MS. BUSHNELL: I have to say no.

9 MS. PENDERGRASS: I'm sorry?

10 MS. BUSHNELL: I have to say no. I haven't had  
 11 a chance.

12 MS. PENDERGRASS: You haven't had a chance to  
 13 see them.

14 Anybody have any issues with these minutes?  
 15 Any changes? Lea?

16 Yes, sir.

17 MR. SMITH: At the -- at the last meeting, I --

18 THE REPORTER: I'm sorry. Can you reidentify  
 19 yourself?

20 MR. SMITH: Clifton Smith.

21 At the last meeting, I asked the presenters,  
 22 that zero-valent iron presentation, how far down were  
 23 the sampling and the aquifer. I didn't see that  
 24 mentioned in the minutes. And I asked them how deep had  
 25 they measured the aquifer. I didn't see that in the  
 Page 8

1 minutes.  
2 MS. PENDERGRASS: Okay. Let's see. I am not  
3 sure if all of the questions are put in the minutes.  
4 However, that brings up a great point, that all of the  
5 minutes and the verbatim transcript is posted on the Web  
6 site.  
7 And Carolyn, has that been done for June 24th?  
8 MS. HUNTER: As soon as it goes final, they  
9 will be up on the Web site.  
10 MS. PENDERGRASS: So the verbatim transcript as  
11 well as the revised minutes. So if there's no --  
12 nothing glaring missing, we'll go forward with that.  
13 Thank you.  
14 All right. Barring no changes or additions or  
15 deletions to the minutes, do we have a motion?  
16 MS. PIERCE: So moved.  
17 MS. PENDERGRASS: Do we have a motion?  
18 MS. PIERCE: So moved.  
19 MR. RAB MEMBER: So moved.  
20 MS. PENDERGRASS: Okay. We have a motion on  
21 the floor to accept the minutes dated June 24th.  
22 Second to that?  
23 MR. LOIZOS: Second.  
24 MS. PENDERGRASS: Okay. All in favor?  
25 THE BOARD: Aye.

1 subcommittee meeting.  
2 MS. PENDERGRASS: Okay. And who brought that  
3 forward? Mr. Work, do you remember?  
4 MR. WORK: You mean --  
5 MS. PENDERGRASS: Wasn't that --?  
6 MR. WORK: -- an individual's name?  
7 MS. PENDERGRASS: Yeah. Okay. I just want to  
8 make sure that was satisfied.  
9 MS. PIERCE: Yeah.  
10 MS. PENDERGRASS: Karen, was that -- does that  
11 satisfy --?  
12 MS. PIERCE: Yeah, thank you.  
13 MS. PENDERGRASS: All right. So we'll be  
14 removing that from the action item list, Miss Pierce?  
15 MS. PIERCE: Yes.  
16 MS. PENDERGRASS: Okay. The third action item  
17 was the "RAB would like the Navy to consider arranging a  
18 field trip to view the former ammunition storage bunker  
19 located under the hill." And if I'm not mistaken,  
20 didn't we do that on the break last month?  
21 MR. BROOKS: Yes, we did.  
22 MS. PENDERGRASS: And so that was resolved --  
23 MR. BROOKS: Was resolved.  
24 MS. PENDERGRASS: -- in terms of what it is and  
25 where it is and whether or not we need a field trip?

1 MS. PENDERGRASS: Anybody opposed? Anybody  
2 abstaining from that?  
3 MS. BUSHNELL: I will, 'cause I haven't read  
4 it.  
5 MS. PENDERGRASS: Okay. Barbara's abstaining.  
6 All right. So the ayes have it, and we'll  
7 accept those minutes as the actual record of what  
8 happened last month.  
9 All right. Let's kind of review the action  
10 items that we had for last month, and that is in the  
11 last page.  
12 Okay. We had a couple carry-over items. First  
13 one was the Navy was "to notify David Terzian and Navy  
14 Caretaker Site Office prior to removal of" the "AMC's  
15 cranes at Dry Dock 4." Is that still kind of pending?  
16 MR. BROOKS: Still pending. We have no  
17 immediate plans for the cranes' removal.  
18 MS. PENDERGRASS: Is it all right to keep that  
19 on as a carry-over until we know more?  
20 MR. BROOKS: Yes.  
21 MS. PENDERGRASS: All right. The second one is  
22 Mr. Work was "to report to the Radiological/Health Risk  
23 Subcommittee about which studies went into establishing  
24 the PRGs for manganese."  
25 MR. WORK: Yes. That happened yesterday at the

1 Yes? No?  
2 MR. CAMPBELL: Yeah, I think it was resolved.  
3 MS. BUSHNELL: Yes, as far as I am --  
4 MS. PIERCE: No. If I recall, that went --  
5 people resolved that people still wanted a field trip.  
6 MS. PENDERGRASS: Okay.  
7 Mr. Brooks, did you want to -- have you had any  
8 headway in planning for that field trip?  
9 MR. BROOKS: I assume that it was resolved,  
10 because the ammunition bunker looks exactly like it does  
11 on the photo; and then what was thought to be a bunker  
12 beneath the hill is a buttress for a landslide on  
13 Parcel A, and we --  
14 MS. ASHER: I would like to say something.  
15 MS. PENDERGRASS: Miss Asher?  
16 MS. ASHER: I would like go to the bunkers.  
17 Those are obviously not the right ones. Thank you.  
18 MR. BROOKS: You -- Then you're --  
19 MS. ASHER: I would like to go to the bunkers.  
20 MR. BROOKS: Then you're going to have to show  
21 me where those bunkers are --  
22 MS. ASHER: Oh, okay.  
23 MR. BROOKS: -- because I have only --  
24 MS. ASHER: Oh, okay.  
25 MR. BROOKS: -- one bunker that I know of. Do

1 you know such bunkers? I can't plan a field trip for  
2 some --  
3 MS. ASHER: Why would I know if you wouldn't  
4 know?  
5 MR. BROOKS: Is that answer, then, no, that you  
6 don't know?  
7 MS. ASHER: I think it's not fair to ask just a  
8 regular citizen where these bunkers would be. Why would  
9 a regular citizen know the answer to that question?  
10 That's a Navy question.  
11 MR. BROOKS: They don't exist.  
12 MS. ASHER: Oh, okay.  
13 MR. BROOKS: I can't take you to something that  
14 I -- I don't know of their existence.  
15 MS. ASHER: Okay.  
16 MS. PENDERGRASS: Chris, did you have something  
17 to add to that?  
18 MR. HANIF: I just wanted Mr. Pat Brooks to  
19 repeat that you said it's a buttress for what?  
20 MR. BROOKS: There's a landslide on Parcel A  
21 that has a big concrete buttress behind Building 813.  
22 It keeps the soil from slipping down --  
23 MR. CAMPBELL: Right.  
24 MR. BROOKS: -- into the parking lot.  
25 MR. HANIF: Thank you. I just wanted to know

Page 13

1 MR. BROOKS: Sure. Why not?  
2 MS. PENDERGRASS: Okay.  
3 MS. OLIVA: Mr. Brooks?  
4 MS. PENDERGRASS: Miss Oliva.  
5 MS. OLIVA: If you stated if that's where you  
6 think the bunker is, could there be any doors behind the  
7 concrete wall?  
8 MR. BROOKS: Not to my knowledge. The  
9 structure is a buttress to prevent soil from sliding  
10 down the hill. And I could take you out there at least  
11 to this one feature, and I could explain to you the  
12 different parts of it because I've seen landslide  
13 buttresses before, and it's clearly a landslide  
14 buttress.  
15 MS. OLIVA: Well, Mr. Brown at one point had  
16 said something about there being something on Parcel A  
17 which children were playing in it, and I don't know  
18 what -- where -- I wish Mr. Brown was here. Yes?  
19 MS. PENDERGRASS: Before -- Miss Pierce had her  
20 hand up, Mr. Campbell.  
21 MS. PIERCE: I think the issue why people still  
22 wanted to have the -- go out and visit the site is  
23 because a number of people have identified places where  
24 they think there are bunkers. And what we were trying  
25 to do is be able to go out there, do this visit, have

Page 15

1 that.  
2 MS. PENDERGRASS: Okay. So that was the one  
3 that they went to on the break at the last meeting.  
4 MR. BROOKS: It looks like -- From that  
5 concrete structure, it looks like perhaps some doors can  
6 open up and you can go into the side of the hill, but  
7 that's not the case. It's concrete and it's a buttress  
8 for a landslide.  
9 MS. PENDERGRASS: Does that satisfy the RAB, or  
10 is there --  
11 MS. ASHER: No.  
12 MS. PENDERGRASS: -- something else --  
13 MS. ASHER: No.  
14 MS. PENDERGRASS: -- that needs to take place?  
15 MS. ASHER: I am not satisfied by that answer,  
16 no.  
17 MS. PENDERGRASS: What would you like to see  
18 take place, Miss Asher?  
19 MS. ASHER: I would like a visit to the  
20 bunkers.  
21 MR. BROOKS: I only know of the one bunker  
22 which we showed photos of.  
23 MS. PENDERGRASS: Okay. So it sounds like the  
24 RAB is asking for a field trip to that bunker once again  
25 as a group. Could that be arranged again, Mr. Brooks?

Page 14

1 those folks show us where they think it is, and get that  
2 finally resolved.  
3 What happened at the last meeting was during  
4 the break, small group of people went out and looked at  
5 the site that the Navy had identified and agreed that  
6 that was not a bunker.  
7 MR. BROOKS: No. The site was identified by  
8 Jim --  
9 MS. PIERCE: Right.  
10 MR. BROOKS: I don't recall his last name.  
11 MR. CAMPBELL: Ansbro, Ansbro.  
12 MS. PIERCE: Right.  
13 MR. BROOKS: So we went --  
14 MS. PIERCE: Okay.  
15 MR. BROOKS: -- to the site where he thought  
16 there was a bunker.  
17 MS. PIERCE: And there are other people who  
18 have said that there are bunkers out there. So I think  
19 we could resolve this by taking a tour, having those  
20 folks who say there are bunkers show us where they think  
21 the bunkers are. We can take a look, and then we can  
22 finally feel comfortable.  
23 MR. BROOKS: Can we schedule that for, say, an  
24 hour or two before the next RAB meeting?  
25 MS. PENDERGRASS: Mr. Campbell, could you --

Page 16

1 before we answer that question, did you have anything  
2 else to add?

3 MR. CAMPBELL: Yeah. There was a newspaper  
4 report, and I think that's what you were referring to  
5 about children playing in the -- a bunker area.

6 Also, we have a statement on videotape that  
7 somebody that worked at the Shipyard, one Tom Olson, and  
8 we can provide you with the videotape talking about  
9 bunkers in the Shipyard. And he was there for quite a  
10 period of time.

11 So we'll provide you with a videotape and we'll  
12 see, because a couple of the reporters did do some  
13 stories on that, about the children playing in bunkers.

14 MS. PENDERGRASS: So at this point, we have a  
15 proposal to meet before the next RAB meeting to make  
16 that tour. That doesn't sound acceptable to the group.  
17 Is there another time that would be acceptable?

18 MS. OLIVA: I think --

19 MS. PENDERGRASS: Ms. Oliva?

20 MS. OLIVA: I think what has to happen is the  
21 information Mr. Campbell can give to Mr. Brooks, he  
22 needs to digest that and see and then we discuss -- so  
23 we know where they are. And then Step 2 is the date to  
24 go out.

25 MS. PENDERGRASS: Does that sound fine with

Page 17

1 discuss whether or not that information was sufficient  
2 to schedule a field trip. Does that make sense? Okay?

3 So we'll put that as the action item -- we'll replace  
4 that. So the due date on that is for next month.

5 The new action item last month was the Navy was  
6 "to arrange a field trip for RAB to view the zero-valent  
7 iron treatability study site." Is that happening?

8 ATTENDEES: No.

9 MR. BROOKS: This one is ongoing, the reason  
10 being: We're doing some -- we call it hydro-punch  
11 groundwater sampling work where we're getting a better  
12 understanding of the extent of the VOC plume there, and  
13 that needs to take place before we do the injection.

14 MS. PENDERGRASS: Okay.

15 MR. BROOKS: So the injection's been postponed.  
16 Therefore, the field trip's been postponed.

17 MS. PENDERGRASS: All right. So we'll leave  
18 that item on the agenda and will be reviewed next month.  
19 All right?

20 MS. LOIZOS: I'm sorry. But when I talked to  
21 Ryan, it sounded like mid May might be when it -- I mean  
22 mid August might be when it happens. Do you know if  
23 that's still the case?

24 MR. BROOKS: We're thinking mid August, yeah.

25 MS. LOIZOS: In which case it might be before

Page 19

1 you?

2 MR. CAMPBELL: Yeah, I have no problem with  
3 it --

4 MS. PENDERGRASS: Okay.

5 MR. CAMPBELL: -- with the videotape.

6 MS. PENDERGRASS: Mr. Brooks, is that all right  
7 with you?

8 MR. BROOKS: That's fine with me.

9 MS. PENDERGRASS: Okay. So just for the  
10 record, let's just make sure --

11 Miss Bushnell, did you have something else to  
12 add to this discussion?

13 MS. BUSHNELL: Just as a suggestion, if there  
14 are other people who think there are sites of bunkers,  
15 if they could communicate that either through Maurice or  
16 through the Navy so that the Navy would have more things  
17 to deal with and could better prepare for a visit out  
18 here.

19 MS. PENDERGRASS: Okay. So let's amend the  
20 action item that we have right now, No. 3, to be that  
21 Mr. Campbell and any other RAB member will provide  
22 information about the site and location of existing  
23 bunkers on the Parcel A, and we'll get that to  
24 Mr. Campbell and Mr. Brooks.

25 And then at the next RAB meeting, we will

Page 18

1 the next RAB meeting. So I think we'll probably have to  
2 communicate by e-mail --

3 MR. BROOKS: E-mail.

4 MS. LOIZOS: -- to get it set up.

5 MR. BROOKS: Can I just ask who would be  
6 interested in that sort of field trip to see the  
7 injection process?

8 (Attendees raise their hands.)

9 MR. BROOKS: Quite a few people there.

10 MS. PENDERGRASS: All right.

11 MR. BROOKS: Okay. Yeah, it's a neat process.

12 MS. PENDERGRASS: Okay.

13 All right. We have this gentleman here that is  
14 diligently trying to get us to use the microphone for  
15 better quality of capturing this as a recording, and  
16 he's doing a such a wonderful job, and we're ignoring  
17 him.

18 So can we pass this microphone as we speak?  
19 That would just speed things up a little bit. Okay?

20 MS. WRIGHT: I don't need one.

21 MS. PENDERGRASS: Miss Wright, you're --

22 MS. WRIGHT: I can be louder than that.

23 MS. PENDERGRASS: Thank you so much.

24 All right, then. Shall we move on?

25 We have any announcements, Mr. Brooks, from the

Page 20

1 Navy?  
 2 MR. BROOKS: Yes, we do. I just want to let  
 3 you all know that I'm taking Keith Forman's place. He's  
 4 off for two and a half weeks. He'll be in Idaho Falls,  
 5 Idaho, and up around Flagstaff, Arizona, doing some  
 6 warfare training as part of naval reserve duty.  
 7 Then, number two, we sent out a draft agenda  
 8 which had our Navy presentations in reverse order of the  
 9 way you see them now. So those had been changed for  
 10 this corrected agenda.  
 11 Number three, we had a phone call -- Marsha and  
 12 Maurice and myself had a phone call just to discuss some  
 13 of the -- some RAB subjects. And we discussed perhaps a  
 14 more equitable sharing of time so the subcommittee  
 15 reports could have more of an equal footing with the  
 16 Navy presentations. You'll see that the Navy  
 17 presentations take a lot of time compared to the  
 18 subcommittee reports.  
 19 And we discussed some other particulars of how  
 20 the subcommittee reports could be structured to identify  
 21 and further investigate matters that are of interest to  
 22 the RAB.  
 23 And with that, I'd like to push that over to  
 24 Marsha to kind of explain what we meant by the  
 25 structuring of the subcommittee reports and how they

Page 21

1 might fit in the agenda to make the meeting run  
 2 smoother.  
 3 MS. PENDERGRASS: We discussed the fact that  
 4 the subcommittees -- a lot of the work is being done at  
 5 the subcommittee level. You guys are attending the  
 6 meetings, and you're doing a lot of discussion, and then  
 7 you're coming back to the RAB with recommendations.  
 8 So -- and a lot of the groups are putting those in  
 9 writing and submitting those out to folks, which is  
 10 great. But I think that that needs to be part of the  
 11 record as well so that we can go back and visit that.  
 12 So those written minutes now or the notes from  
 13 those subcommittee reports we'll be adding to the  
 14 agenda. So that will be part of the agenda that's put  
 15 on the Internet and part of the minutes so that people  
 16 who aren't here will get -- have, you know, be- -- have  
 17 the benefit of the discussion in that. Does that make  
 18 sense to everybody?  
 19 So really what we're really looking to do is  
 20 make sure that in your subcommittees that once you've  
 21 done the discussion, if there's something that the whole  
 22 RAB needs to make a, you know, motion on or put into  
 23 play, you need to bring that as a recommendation in the  
 24 form of a motion. Okay? Everybody kind of clear on  
 25 that?

Page 22

1 MS. RINES: Just a qualifying that, it's not  
 2 that they are not part of the -- not that they are not  
 3 part of the record? They are just -- They are  
 4 included, but they are in the administrative record  
 5 previously. So now they are going to be part of the  
 6 verbatim record?  
 7 MS. HUNTER: They will be added to the final  
 8 minutes package so that the subcommittee reports will be  
 9 in there; so if people want to refer to them, they will  
 10 be on the Web site and in the information repository.  
 11 MS. RINES: Where were they previously?  
 12 MS. PENDERGRASS: Just in the information  
 13 repository.  
 14 MS. HUNTER: Just in the administrative record.  
 15 MS. RINES: That's -- Okay.  
 16 MS. HUNTER: So we're just getting them out  
 17 further to the rest of the community if you want to see  
 18 them.  
 19 MS. PENDERGRASS: Thank you, Miss Hunter, for  
 20 clearing that up.  
 21 Okay. Any other questions about that?  
 22 And, you know, just to make sure, I'm a little  
 23 heavy-handed, since we're starting with the new chair;  
 24 and he's very clear with me that we would like to keep  
 25 on schedule and to keep our questions, you know, to a

Page 23

1 minimal. And so, you know, short of a whip, I'm going  
 2 to try to do a better job of keeping us within the time  
 3 frame and keeping our questions.  
 4 So if you all will do your part with asking no  
 5 more than one question at a time and letting someone  
 6 else have an opportunity to ask a question, that would  
 7 be real nice. Okay? And, of course, the people we need  
 8 to be talking to aren't here tonight. But at any rate,  
 9 that's all right. We'll make sure that that goes  
 10 forward. I didn't say that.  
 11 Okay. Maurice, did you want to --?  
 12 MR. CAMPBELL: Yeah. You know, all of the  
 13 recommendations are fine. One of the recommendations  
 14 very strongly is that when the Navy gives a  
 15 presentation, that there is one question from the RAB  
 16 member because what I'd like to do is hold a segment of  
 17 the agenda for the community to have some input in; and  
 18 it's fairly important so we can hear from the community  
 19 what's important.  
 20 If it's necessary the Navy personnel need to  
 21 have further discussion, they will remain on site and  
 22 have a further discussion; and then it can be passed to  
 23 subcommittee after that for more information  
 24 formalization.  
 25 Another issue I'd like to bring up, there was a

Page 24

1 map index in Building 101 which Tetra Tech removed, and  
2 we understood it was to be -- pictures were to be taken  
3 of it.  
4 I wanted to ask Pat formally on the record, is  
5 that map index going to be put back?  
6 MR. BROOKS: Yeah, a good question. I'm not  
7 sure. We could -- I'm just not sure.  
8 MR. CAMPBELL: Okay.  
9 MS. BUSHNELL: Can I ask what a map index is?  
10 MR. CAMPBELL: Yeah. It's -- It was a layout  
11 of the Shipyard. It had all of -- many of the NRDL labs  
12 and many of the buildings, what the buildings were used  
13 for, et cetera. It was located in Building 101. We  
14 have --  
15 MS. OLIVA: Next to the office.  
16 MR. CAMPBELL: Next to the office.  
17 MS. BUSHNELL: Thank you.  
18 MR. CAMPBELL: Yeah.  
19 MS. OLIVA: I think it was circa about 1947.  
20 MR. CAMPBELL: Right.  
21 MS. OLIVA: Three very large.  
22 MS. PENDERGRASS: So are you asking for  
23 something to happen?  
24 MR. CAMPBELL: It was removed just recently.  
25 MS. PENDERGRASS: Oh. It was removed.

Page 25

1 MR. CAMPBELL: It was removed, because we had  
2 some discussion of it in the last RAB meeting.  
3 MS. PENDERGRASS: Okay.  
4 MR. CAMPBELL: And our understanding, it was  
5 removed to be photographed. So --  
6 MS. PENDERGRASS: Okay.  
7 MR. CAMPBELL: -- we're sure it doesn't take  
8 too long to photograph it.  
9 MS. PENDERGRASS: Oh, you want it back.  
10 MR. CAMPBELL: Sure.  
11 MS. PENDERGRASS: Okay. Great.  
12 MR. CAMPBELL: Because some of the artists were  
13 asking about it.  
14 MR. BROOKS: Yeah. I will check into it. It  
15 is Navy property --  
16 MR. CAMPBELL: Sure.  
17 MR. BROOKS: -- but I will check into it.  
18 MR. CAMPBELL: Sure. Building 101 is Navy  
19 property too, right.  
20 We think it's very, very important to balance  
21 the public time with the Navy time so the various  
22 subcommittees, if they have things that are very, very  
23 important -- and thanks, Marsha, for pointing that out.  
24 I think that's very important.  
25 There's a yellow document that's up here. It's

Page 26

1 for information purposes only. Pro Se Services,  
2 Bouchard Industrial Metals. They were approached on the  
3 CAC subcommittees, and what they would like to do is a  
4 shipbreaking operation on Parcel 4. The Navy hasn't had  
5 time to study it yet.  
6 So if you get a chance, it will probably be  
7 coming up in some future agenda. But it might be  
8 worthwhile looking at, thinking about it from an  
9 environmental standpoint and also from a business  
10 standpoint.  
11 That concludes my remarks on that one.  
12 MS. PENDERGRASS: Mr. Brooks, did you have a  
13 chance to finish all of your announcements?  
14 MR. BROOKS: I did, yes.  
15 MS. PENDERGRASS: Okay. Very fine.  
16 All right, then. At this point --  
17 Miss Pierce, I'm so sorry.  
18 MS. PIERCE: I appreciate the fact that we're  
19 looking for ways to carve out time for public comment.  
20 But I'm a little unclear about this one question on the  
21 Navy reports.  
22 MR. CAMPBELL: One question per RAB member.  
23 MS. PIERCE: Okay. The reason why -- well, I'd  
24 like for us to consider that, to think about that a  
25 little bit, because there are RAB members who have a lot

Page 27

1 more knowledge and expertise than other RAB members in  
2 certain areas; and by allowing them to ask more than  
3 one -- ask a follow-up question, it often will just kind  
4 of turn on a light bulb in someone else's mind and get  
5 them to, one, better understand what the issues are or,  
6 two, realize that they have a question as well.  
7 So I don't want us to get so bogged down in  
8 procedure and trying to get through the agenda that we  
9 don't allow for this to be the best possible process,  
10 because this process is also a learning process. We  
11 want to be sure that we have the ability to have that  
12 exchange so we become better informed as we're moving  
13 along.  
14 MR. CAMPBELL: Agree.  
15 MS. PENDERGRASS: Okay. Very good. I think we  
16 could start the subcommittee reports. Oh, let's start  
17 with the Membership and Bylaws Committee.  
18 And as we're getting ready, is -- would it be  
19 all right if we actually listed the actual subcommittees  
20 on the agenda so that we can kind of keep track of the  
21 way they are, you know --?  
22 MR. BROOKS: Yes, we can do that.  
23 MS. PENDERGRASS: Is that okay? Okay, because  
24 we have had some shifting and so forth, so it would be  
25 helpful if we kind of identify which groups are now.

Page 28

1 MS. RINES: Okay. Basically, we had a really  
2 good meeting. Carolyn took really good notes.  
3 Short and sweet of it, SFPD showed up. They  
4 still do not have term sheets 'cause the Navy needs to  
5 renegotiate the property as to market rate. So they  
6 have to figure out how much it's actually -- how much  
7 they want to charge or whatever, and then SFPD will  
8 decide whether they will actually stay there.  
9 Next month is we have to vote on the bylaws,  
10 okay? I will say that again: Next month we have to  
11 vote on the bylaws. This is the last chance.  
12 From what we have, the way we have it set up,  
13 it should be we shouldn't have to make any changes.  
14 MS. PENDERGRASS: Do you have any to distribute  
15 today, tonight?  
16 MS. RINES: It's the same ones we distributed  
17 from the last time, and they are the ones that are on  
18 the Web site too.  
19 So it's just basically changing it from 12 --  
20 changing it from calendar year to 12-month period. And  
21 also the other point is come September is when the new  
22 bylaws will be in effect.  
23 And what we're doing is as of September,  
24 everyone will have a clean slate. They will have no  
25 absences because we have to start everybody on the same

1 level, start all over, and we'll do it with the  
2 12-month-period format. So that's the biggest thing  
3 about it. That's the only way we can do this so that  
4 it's even for everybody.  
5 So our next meeting will be August 11th at the  
6 library, 6:30 to 8:00.  
7 MS. PENDERGRASS: Okay. Can I just suggest  
8 that just to make sure that we're following protocol  
9 that everybody needs to have -- at least have had a  
10 copy. And so if they weren't here last month, they may  
11 not. So can they just go out one more time?  
12 MS. RINES: Sure.  
13 MS. PENDERGRASS: Where's Miss Hunter?  
14 Can you make sure that they --  
15 MS. HUNTER: Yes.  
16 MS. PENDERGRASS: -- they go out one more time  
17 this week so that everybody has an opportunity?  
18 MS. HUNTER: Is e-mail okay, or would you like  
19 hard copies?  
20 MS. RAB MEMBER: No.  
21 MS. BUSHNELL: Hard copies.  
22 MS. RAB MEMBER: No.  
23 MS. HUNTER: Hard copies. Okay.  
24 MS. RINES: Thank you.  
25 MS. PENDERGRASS: Okay. Do we have any

1 motions? I'm sorry?  
2 MS. PIERCE: Nothing.  
3 MS. PENDERGRASS: Okay. Are you completed with  
4 your report?  
5 MS. RINES: Yes.  
6 MS. WRIGHT: I have a question.  
7 MS. PENDERGRASS: Miss Wright.  
8 MS. WRIGHT: Can you do me a favor and explain  
9 that 12-month thing again? Because I don't remember  
10 what you said last month.  
11 MS. RINES: Okay. The way that it works is  
12 12 months back in time, the month of the current RAB  
13 meeting.  
14 So it is July. So to gauge four missed  
15 thing -- four missed meetings, you go from July this  
16 month back to July '03. That span is 12 months, the  
17 only way we can do that, 'cause it's basically a moving  
18 target is the period of time.  
19 MS. WRIGHT: So the 12 months start on your  
20 first absence?  
21 MS. RINES: Correct. And the first -- your  
22 first absence is when it is. It's not when your first  
23 absence is. It's from the month, the current month of  
24 the RAB meeting, back 12.  
25 So if you missed in June of '03, and from July

1 of '03, we only going to -- back to Jul- -- from July  
2 '04 to July '03. So that June one doesn't count.  
3 MS. WRIGHT: Thank you.  
4 MS. RINES: That's the only way we could figure  
5 out how to qualify four.  
6 MS. PENDERGRASS: Oh, let's try it for a year  
7 and see how it goes. You have an opportunity next year  
8 to do it again.  
9 Miss Bushnell.  
10 MS. BUSHNELL: Well, you know, I think they  
11 were written -- I was part of the group that wrote  
12 those. I mean, it would be very difficult for me. I  
13 can remember what I've done a few months back; but if I  
14 have to remember whether I went on vacation 12 months  
15 ago, I'm not going to be able to do it. And --  
16 MS. PENDERGRASS: All you have to do is  
17 remember her seven digits and make sure you call the  
18 bylaws. They should know. They should be keeping up  
19 with that.  
20 MS. BUSHNELL: It was easy to remember  
21 "calendar year." You know what you're doing in a  
22 calendar year.  
23 I don't see why it's being made difficult for  
24 people be RAB members. We need good RAB members. And  
25 what this law is, it makes you sort of responsible for

1 remembering what you did 12 months ago.  
 2 MS. RINES: No, it doesn't.  
 3 MS. PENDERGRASS: Well, the process is that if  
 4 you have an alternative, that needs to be communicated  
 5 through the Bylaws Committee, and that would have been  
 6 incorporated and discussed at that time.  
 7 At this point, that has been put into the  
 8 agenda, and we will be voting on -- not the agenda. It  
 9 will be put into the bylaws, and we will be voting on  
 10 those new bylaws at the next meeting. If you don't  
 11 approve or don't agree, then you would not vote  
 12 positively for those bylaws.  
 13 MS. BUSHNELL: I do have a consideration. If  
 14 you say that these bylaws haven't been approved by the  
 15 RAB yet or on the Web site, I say that's wrong.  
 16 MS. RINES: I'm sorry. I mean to remove that.  
 17 MS. BUSHNELL: All right.  
 18 MS. RINES: I was wrong on that.  
 19 MS. BUSHNELL: Thank you.  
 20 MS. PENDERGRASS: Okay.  
 21 MS. BUSHNELL: Thank you.  
 22 MS. PENDERGRASS: So -- and so everyone will  
 23 get a final copy one more time just to make sure that  
 24 we're all on that.  
 25 MS. BUSHNELL: We will have a formal vote on

Page 33

1 that.  
 2 MS. PENDERGRASS: Okay? All right. Very fine.  
 3 Let's move on to the next committee report.  
 4 Lea, did you want to --?  
 5 MS. LOIZOS: Sure. I --  
 6 MS. PENDERGRASS: Now, what's your committee  
 7 again? I'm just, like --  
 8 MS. LOIZOS: Oh.  
 9 MS. PENDERGRASS: -- confused on that.  
 10 MS. LOIZOS: Technical Review Subcommittee.  
 11 MS. PENDERGRASS: Okay.  
 12 MS. LOIZOS: There was no meeting this month.  
 13 But one thing I wanted to mention that we're considering  
 14 doing to sort of help facilitate this, maybe help  
 15 this -- well, on this topic of fewer questions and  
 16 shortened presentations, we're looking into maybe having  
 17 the Navy give presentations at the Technical  
 18 Subcommittee meeting.  
 19 So, say, this month we know they are doing this  
 20 bioremediation treatability study. They're doing a  
 21 presentation on that. So two weeks ago they would have  
 22 come to my meeting, and we would have talked about this  
 23 so that everybody knows, the presentations that are  
 24 going to be discussed at the RAB will first be discussed  
 25 at the Technical Subcommittee meeting so you can hear

Page 34

1 them in greater detail and ask more questions.  
 2 And maybe that will prevent, you know, spending  
 3 as much time, and it will facilitate having more time,  
 4 and this way it will be sort of more for the public as  
 5 well rather than just for the RAB at the RAB meeting.  
 6 I don't know if that's always going to be  
 7 possible, but it's something that we are working  
 8 towards.  
 9 MS. PENDERGRASS: All right. Very good. Okay.  
 10 MS. HUNTER: Do you have a meeting date for  
 11 August?  
 12 MS. LOIZOS: Oh.  
 13 MS. PENDERGRASS: Thank you.  
 14 MS. LOIZOS: Let's see. I'll come up with one.  
 15 I don't want to waste time. Hold on.  
 16 MS. PENDERGRASS: Okay. Miss Pierce, you don't  
 17 have a subcommittee meeting?  
 18 MS. PIERCE: I'm not a subcommittee chair  
 19 anymore.  
 20 MS. PENDERGRASS: Thank you so much.  
 21 Dr. Sumchai?  
 22 DR. SUMCHAI: The Lowman Radiological Risk  
 23 Assessment Committee met yesterday. I wanted to thank  
 24 Mr. Willie Ratcliff for being our host at the  
 25 Greenhouse, and I wanted to thank the attendees:

Page 35

1 Francisco Da Costa, Michael Work from the EPA, Jackie  
 2 Lane, Lea Loizos, Ralph Pearce, Dan Stralka, Maurice  
 3 Campbell, and Patrick Brooks.  
 4 The presentations started with a discussion by  
 5 Dr. Dan Stralka, who is a Ph.D. in biochemistry with the  
 6 EPA's Superfund division about the ongoing controversy  
 7 over the PRGs and the HPALS that have been set for  
 8 manganese.  
 9 Manganese is a metallic substance that has been  
 10 demonstrated to be elevated in its concentrations  
 11 throughout much of Hunters Point Shipyard; and the  
 12 arguments are whether or not it is naturally occurring,  
 13 because it does occur in the underlying chert and basalt  
 14 of the Shipyard.  
 15 Additionally, manganese is a product of the  
 16 combustion of fossil fuels and is seen in areas where  
 17 power plants and, you know, fossil fuels combustion  
 18 takes place. And for that reason, there has been a  
 19 great deal of dialogue for several years now about  
 20 whether or not it is truly ambient or naturally  
 21 occurring.  
 22 There's a manganese compound, MMT, that's used  
 23 as an antiknock fuel additive in unleaded gasoline.  
 24 So Dr. Stralka made it very clear that the role  
 25 of the EPA is in setting up, you know, proper cleanup

Page 36

1 levels, and he discussed some background issues with  
2 regard to how the PRGs were derived.

3 There are some studies that have looked at  
4 manganese in drinking water in men and women from  
5 Greece, and there are some studies that have looked at  
6 manganese and its impact on health in inhaled substances  
7 from mine workers in South Africa, and presumably those  
8 populations are predominantly black populations.

9 There was some discussion about health effects.  
10 There was discussion about cumulative and additive  
11 effects.

12 There was -- It was made mention of the fact  
13 that the PRGs are set for the most sensitive  
14 populations, specifically children; and it was, you  
15 know, emphasized that, you know, there is a need to have  
16 further, you know, discussion about, you know, whether  
17 or not the levels that have been demonstrated in soils  
18 of the Shipyard are independent of the PRGs and the  
19 HP- -- and HPALS, potential sources of adverse health  
20 effects.

21 And there was also discussion about the types  
22 of adverse health effects that are seen. They are  
23 specifically neurological and involve things like gait  
24 disorders and other kinds of neurological symptoms.

25 So the disposition on the issue was that we

Page 37

1 would table in the near future a full RAB presentation  
2 on manganese. We would review the current literature on  
3 health effects. We would apply this graduated  
4 understanding in view of the reuse plans for the  
5 Shipyard and, you know, make some decisions about  
6 whether or not, you know, it's safe to follow through  
7 with some of the reuse plans.

8 The rest of the committee meeting focused on  
9 some radiological issues, and we will be revisiting the  
10 concerns that Maurice raised about the potential for  
11 NRDL laboratory having been identified in the D series  
12 buildings, and Miss Lowman can address that in August.

13 The Parcel A boundary change will be discussed  
14 today as well as the status of Building 322.

15 I have some concerns about Building 103, which  
16 in the HRA is identified as a former World War II wooden  
17 barracks that was used as a personnel decontamination  
18 center for Operation Crossroads. It's currently leased  
19 to the San Francisco Redevelopment Agency, and The Point  
20 artists are tenants there; and it is under  
21 investigation.

22 My concerns are grounded in the fact that the  
23 final Environmental Impact Report for Phase I  
24 development of the Shipyard Parcels A and B has  
25 determined that this is a building that will be

Page 38

1 retained. Many of the buildings on Parcel A and B are  
2 slated for demolition, and I had concerns about the  
3 status of this building, and we'll ask Laurie Lowman to  
4 address those also.

5 And then our final discussion centered on  
6 prioritizing some agenda issues for the future, and we  
7 will be revisiting some risk assessment analysis for  
8 Parcels A and B as well as the radiological removal  
9 action action report for the base and --

10 MS. PENDERGRASS: So, Dr. Sumchai, are you  
11 going to make some recommendations about agenda items  
12 that you would like to or you or your committee --  
13 subcommittee would like to bring to the full RAB?

14 DR. SUMCHAI: Yes. The --

15 MS. PENDERGRASS: Okay.

16 DR. SUMCHAI: -- main recommendation was to  
17 schedule in the near future a RAB presentation on  
18 manganese and --

19 MS. PENDERGRASS: Do you have a date --

20 DR. SUMCHAI: -- Dr. --

21 MS. PENDERGRASS: -- for that now, or did you  
22 want to just -- you're going to recommend that later, or  
23 how did you want to do that?

24 DR. SUMCHAI: Well, as -- you know, I'm not  
25 sure how the agendas for the future are stacked up, and

Page 39

1 it also depends on the availability of the presenter.  
2 We extended an invitation to Dr. Stralka to -- you know,  
3 to present. But certainly something in the near future.

4 MS. PENDERGRASS: Okay. So we could just  
5 communicate that to the community co-chair, and he  
6 should be able to schedule that in.

7 Is that okay --

8 DR. SUMCHAI: Yes.

9 MS. PENDERGRASS: -- Mr. Campbell?

10 MR. CAMPBELL: The Economic --? Yes. I'm  
11 sorry.

12 MS. PENDERGRASS: Okay. I mean, is that --?

13 MR. CAMPBELL: Yeah, that's fine.

14 MS. PENDERGRASS: That's fine.

15 MR. CAMPBELL: Sure.

16 MS. PENDERGRASS: Are you --?

17 Do you have a date for your next meeting?

18 DR. SUMCHAI: Whatever the fourth Thursday is.  
19 I believe that the -- let's see. Excuse me. Fourth  
20 Wednesday.

21 MR. BROOKS: Fourth Wednesday.

22  
23 MR. BROOKS: Twenty-fifth.

24 DR. SUMCHAI: Twenty-fifth? Okay. So  
25 Wednesday, the 25th, from 3:00 to 5:00 at the

Page 40

1 Greenhouse; and we'll be, you know, discussing some of  
 2 the issues that I raised as well as some issues that  
 3 we'll want Laurie Lowman to address in her presentation  
 4 on Thursday, the 26th, to the full RAB.  
 5 MS. PENDERGRASS: Miss Lowman is making a  
 6 presentation next month, then?  
 7 DR. SUMCHAI: Yes.  
 8 MS. PENDERGRASS: Okay. Very good, then. All  
 9 right. Thank you.  
 10 Mr. Campbell, now, are you still the chair of  
 11 the Economic Development?  
 12 MR. CAMPBELL: At the moment --  
 13 MS. PENDERGRASS: Very good.  
 14 MR. CAMPBELL: -- I'm acting chair.  
 15 The Economic Committee didn't meet officially  
 16 this month. We will be meeting on the 10th of next  
 17 month at Young Community Developers, and that will be at  
 18 2:30.  
 19 Chris, can you give us the address of that?  
 20 MR. HANIF: 1715 Yosemite Avenue on the corner  
 21 of -- it's right off the corner of Third and Yosemite.  
 22 You know you're there because there's a McDonald's right  
 23 there.  
 24 MR. CAMPBELL: Thank you.  
 25 MS. PENDERGRASS: Free French fries? No.

Page 41

1 Okay. We're going to take a ten-minute break  
 2 and reconvene at ten minutes to 7:00. Okay.  
 3 (Recess 6:42 p.m. to 6:52 p.m.)  
 4 MS. PENDERGRASS: We'd like to reconvene.  
 5 At this point, Mr. Christensen, Remedial  
 6 Project Manager, will do a presentation on sequential  
 7 bioremediation at Remedial Unit RU-C5, Building 134.  
 8 Sounds fun, huh?  
 9 MS. RINES: Woo-hoo!  
 10 MR. CHRISTENSEN: Wasn't expecting that. It's  
 11 a good time.  
 12 MS. PENDERGRASS: You got to make this a lot  
 13 sexier than it's down on paper.  
 14 MR. CHRISTENSEN: I don't know how sexy it's  
 15 going to be.  
 16 MS. PENDERGRASS: Okay. And actually, if you'd  
 17 like, kind of -- if want to come right up here --  
 18 MR. CHRISTENSEN: Sure.  
 19 MS. PENDERGRASS: -- in the middle, and you can  
 20 watch the screen. You can chat.  
 21 MR. CHRISTENSEN: I got a little pointer,  
 22 so . . .  
 23 MS. PENDERGRASS: Okay. And Mr. Brooks doesn't  
 24 mind if your back is to him.  
 25 MR. BROOKS: Not at all.

Page 43

1 Anything else, Mr. Campbell? I guess not. All  
 2 right. You have nothing else? You have nothing else?  
 3 MR. CAMPBELL: No. We're going to say, what  
 4 Pat has was part of this report for -- and bring it into  
 5 the next Economic -- What we're going to do is bring  
 6 the information on the year-to-date numbers and quarter  
 7 to num- -- quarter-to-date numbers into the next  
 8 Economic meeting, which will be on the 10th at 2:30 at  
 9 YCD, and we will be prepared to give the community's  
 10 portion of those numbers.  
 11 MS. PENDERGRASS: Okay.  
 12 MR. CAMPBELL: Thank you.  
 13 MS. PENDERGRASS: We're just at a point where  
 14 we can take a break, even though it's a little early.  
 15 Is that going to work for you, Christine?  
 16 THE REPORTER: Yes.  
 17 MS. PENDERGRASS: Okay. One more question.  
 18 MS. LOIZOS: I just wanted to give the date for  
 19 the next Technical Review Subcommittee meeting. It will  
 20 be on August -- Wednesday, August 18th, 6 p.m., at the  
 21 Community Window on the Shipyard, 4634 Third Street.  
 22 MS. PENDERGRASS: 4634 --  
 23 MS. LOIZOS: -- 34, yeah.  
 24 MS. PENDERGRASS: -- Third Street. Okay. Real  
 25 good.

Page 42

1 MS. PENDERGRASS: Okay.  
 2 MR. CHRISTENSEN: Thank you. My talk is  
 3 entitled "Groundwater Cleanup Using Bioremediation, A  
 4 Treatability Study."  
 5 MS. PENDERGRASS: And we just want to -- want  
 6 you to be mindful of your time.  
 7 MR. CHRISTENSEN: So this is a real short talk,  
 8 so . . .  
 9 MS. PENDERGRASS: Thank you.  
 10 MR. CHRISTENSEN: Okay. Let's go on to the  
 11 next one.  
 12 The treatability study is going to be  
 13 performed -- it's currently being performed at  
 14 Building 134. This is a former marine machine shop, and  
 15 it is located in Parcel C. Building 134 had a solvent  
 16 degreaser pit and oil/water separator. The separator  
 17 and degreaser pit were built in the foundation of the  
 18 building. So there are permanent fixtures that we have  
 19 since then broken out and removed.  
 20 Soil and g- -- well, let's go back to the  
 21 next -- last bullet there.  
 22 Soil and groundwater at Building 134 are  
 23 contaminated with solvents. We have done a series of  
 24 tests and routine sampling events in this area, and we  
 25 found this to be a -- the former degreaser pit and

Page 44

1 separator were a source of groundwater contamination in  
2 the area.

3 This is the purpose of our bioremediation  
4 study. Existing monitoring data suggested, as I said,  
5 that this area is contaminated with solvents. And  
6 through our tests, we've found that these chemicals in  
7 the groundwater are biologically degrading.

8 We have excavated the sump and degreaser pit.  
9 We have installed the large-diameter extraction well in  
10 the former oil/water separator outside of Building 134  
11 and monitoring wells within the former degreaser pit.

12 During removal of the degreaser pit, we've also  
13 overexcavated the area. The former floor of the  
14 degreaser pit was done to about 4 feet below surface,  
15 and we excavated down about 8 feet. So we wanted to  
16 take out all the contaminated soil above the water  
17 table.

18 In the study, we have proposed to evaluate this  
19 enhanced bioremediation to treat the contaminated  
20 groundwater. So it's kind of a test study to see if  
21 this procedure will work. And since we already start  
22 to -- we have already started to see some biological  
23 degradation in the area, we're sure that it is, and we  
24 would look towards this as a larger scale remediation in  
25 other areas of the base.

Page 45

1 red circle here is the groundwater plume that we found  
2 by monitoring a series of wells in the area. And we  
3 have delineated non-detects around this plume edge.

4 So this is where the highest concentrations  
5 are; and as I said, it's really due to the source, that  
6 former degreaser pit.

7 This picture on the left is -- this is the  
8 degreaser pit inside Building 134 which we overexcavated  
9 and backfilled. And that's a compacter on the backhoe.  
10 That's compacting it back up to level surface.

11 This is the extraction well we installed. This  
12 is outside obviously of Building 134. It's in a former  
13 oil/water separator. It's a large-diameter extraction  
14 well that we've installed to control groundwater  
15 movement in our test cell.

16 Here's a picture inside the degreaser pit as  
17 the compacting is done. It's brought back up to level  
18 surface. We have some forms here. These are for  
19 groundwater monitoring wells.

20 This is the ejection well. And I think -- it's  
21 a little hard to see, but they have a grid work of  
22 rebar, and they are pouring concrete in there, and this  
23 fellow is spreading it out so it's all level surface.

24 These are what the wells look like. This is  
25 outside of the Building 134. They are all flush-mounted

Page 47

1 This is a slide, kind of shows a little bit  
2 about the process which it involves. In situ  
3 bioremediation is a process that destroys contaminants  
4 in place with by -- with naturally occurring bacteria.

5 The bacteria is, as I said, naturally  
6 occurring. It's already in the aquifer. And as it  
7 eats -- what we do is we feed it a food source, and it  
8 in turns eats the contaminants and breaks them down to  
9 nontoxic form.

10 It's a similar process that we find in making  
11 of beer or wine. And that picture on the bottom there  
12 is the bacteria.

13 MR. BROOKS: This is our bug.

14 MR. CHRISTENSEN: That's our bug. Should put a  
15 little Navy flag on it or something. It's called the  
16 Dehalococcoides, and it's a naturally occurring  
17 bacteria.

18 THE REPORTER: Spell that.

19 MR. CHRISTENSEN: D-i-a-c-h-o-i-d-i-e-s [sic]?

20 MR. BROOKS: A spelling bee.

21 MR. CHRISTENSEN: Close.

22 Here's a picture. We wanted to show where the  
23 plume is located. Going to kind of get my pointer out.

24 This brown rectangle is the former sump and  
25 degreaser pit. Of course, this is Building 134. This

Page 46

1 4-inch monitoring wells, and this is just smoothing out  
2 the surface.

3 This is inside the building. We had some forms  
4 where we poured the concrete around the forms; and after  
5 that set, we installed vaults to protect the surface.  
6 And that's all he's doing is leveling out the vault  
7 before they pour the concrete, make them permanent  
8 wells.

9 This is the process. It's an -- It's called a  
10 sequential anaerobic-aerobic bioremediation process.  
11 These are con- -- These are the contaminants we found  
12 in the groundwater, tetrachloroethene and  
13 trichloroethene. Acronyms are PCE and TCE. And those  
14 are found to degrade without oxygen, and that would be  
15 the anaerobic part of this test study.

16 Other contaminants which degrade with oxygen,  
17 or aerobic, under aerobic conditions, would be such as  
18 benzene, petroleum hydrocarbons, or semivolatile  
19 hydrocarbons. And some contaminants just don't care,  
20 could be either. But those would be -- couple examples  
21 there, vinyl chloride or chlorobenzene.

22 This is how kind of the process works, the  
23 bioremediation process. It creates favorable conditions  
24 for the biodegradation of contaminants and also talks  
25 about kind of our schedule here: Our Stage 1 anaerobic

Page 48

1 bioremediation stage started April 14th, and it  
2 continues through November 28th of this year at which  
3 time we will switch to the aerobic portion of this  
4 study, and we'd start that December 1st and go through  
5 April of 2005.

6 We're going to conduct the anaerobic  
7 biodegradation first. As I said, the anaerobic  
8 biodegradation is already occurring. We are seeing that  
9 from by-products of the PCE and TCE being broken down to  
10 vinyl chloride and ethene.

11 And we've also done our testing for that bug  
12 that we saw here in the lower right corner. There's a  
13 sufficient colony of the bacteria which exists in this  
14 area, so we don't have to further populate the area of  
15 bacteria. They are already occurring. They already  
16 exist.

17 What we are going to do is we're going to  
18 inject a food source into the aquifer, and the food  
19 source is a sodium lactate, which promotes growth,  
20 energy, promotes a food source for the bacteria to grow  
21 and enhance their activity which they will in turn eat  
22 up the contaminants, such as PCE and TCE, breaking those  
23 down to a vinyl chloride and ethene.

24 And the last bullet there, ethene is a  
25 nontoxic, and concentrations are far below the lower

Page 49

1 petroleum hydrocarbon contamination there. And you saw  
2 from one of Glenn's previous slides the petroleum  
3 hydrocarbons like to degrade aerobically. So they use  
4 oxygen as they degrade. And what's happened is, those  
5 petroleum hydrocarbons have degraded; and while they  
6 have degraded, they have used up the oxygen in the  
7 groundwater. So they have created those nice favorable  
8 conditions that we need to degrade the PCE and the TCE.

9 MR. CHRISTENSEN: Let's go to the next one.

10 All right. This is the aerobic part. It's  
11 Stage 2 of our treatability study where we would add  
12 oxygen back into the contaminated aquifer. A different  
13 type of bacteria would eat up or degrade the remaining  
14 contaminants. It's a different type of bacteria that  
15 exist and thrive on oxygen, and they would complete the  
16 destruction of any remaining contaminants in the  
17 groundwater.

18 As I said, these contaminants are degraded to a  
19 nontoxic form, and by-products would be carbon dioxide,  
20 water, and chloride ions.

21 This is kind of a cool slide, let things kind  
22 of slide into place here. Okay. This is inside  
23 Building 134. This here is our mixing tank that we  
24 would pull groundwater out and amend with the sodium  
25 lactate.

Page 51

1 explosive limit. We had a LEL of around 30,000 ppm, and  
2 our concentrations of ethene will at highest be around  
3 7 ppm's, so we will be well below the LEL.

4 Yes.

5 MS. PIERCE: Can you explain? I don't  
6 understand how the anaerobic portion works. How do you  
7 get the oxygen out and put in a aquifer? Isn't an  
8 aquifer the water, and doesn't water have oxygen? So  
9 I'm just really confused.

10 MR. CHRISTENSEN: Could -- Would you mi- --?  
11 Can we just take the questions after the presentation  
12 or --?

13 MS. PIERCE: Okay. I just wanted to ask, since  
14 you were here.

15 MR. CHRISTENSEN: All right. The environment  
16 is anaerobic currently. So these bacteria thrive in an  
17 anaerobic environment. That's when we know they exist.

18 We have tested that, and what we do is we pump  
19 water out of the aquifer into a tank, and we amend the  
20 extracted groundwater with the sodium lactate before we  
21 reinject it. And next couple of slides we'll see a  
22 cross section of the system and kind of how it works.

23 MR. BROOKS: Glenn, let me just follow up on  
24 that.

25 Site 25 is right near Site 6, and we have some

Page 50

1 This area here, the excavation, is the former  
2 degreaser pit. So we have left the side walls, flooring  
3 as it is here, and the back wall are sort of barriers  
4 and form a containment cell. Depth of groundwater is  
5 about 8 feet here below surface.

6 This is some of the geology. We had label  
7 piers as silty sand, silty clay, some clay here, more  
8 silts and clays.

9 This is a lower aquifer in A2 zone, but we do  
10 have a deeper well. Eventually it makes its way in  
11 here. All right.

12 This is the extraction well that's in the  
13 former oil/water separator. This is actually outside of  
14 Building 134. Shows here inside, but that's actually  
15 outside of. And this is the injection well.

16 We have three monitoring wells, this one here.  
17 So we're actually treating the A1 zone, which is the  
18 lower -- or excuse me -- the upper aquifer here, and  
19 we're also testing for constituents in the lower aquifer  
20 to make sure we are not having any vertical migration.

21 And as the water is pumped out of the  
22 extraction well, it goes through a line here all in the  
23 subsurface inside the test cell and then back into the  
24 injection well. So we get kind of a cycle of  
25 groundwater through here.

Page 52

Page 49 - Page 52

1 Go to the next one.  
 2 Okay. This is -- I wanted to show a couple  
 3 graphs, not too many. But this is some of the samples  
 4 we have collected from March 25th until as of July 12th.  
 5 Six separate events. And day zero here is April 15th,  
 6 and that was the first day of injection and  
 7 recirculation of the sodium lactate. So we have some  
 8 fairly high concentrations here, and this is our  
 9 baseline sample.  
 10 So we are already starting to see some  
 11 breakdown of the PCE and a rise in the vinyl chloride,  
 12 which we would expect.  
 13 This is a real sharp decline of 1,2-DCE and --  
 14 which we would expect to see a bit of a rise in vinyl  
 15 chloride here and then eventually that taper off; and  
 16 ethene here, the blue dot, we would expect to increase.  
 17 And that's 54A. That's the next well in line  
 18 from the injection well.  
 19 This is the actual injection well. So we're  
 20 actually pulling some contaminants out of not only the  
 21 groundwater, but the soil too. So we are seeing a high  
 22 spike of 1,2-DCE. As that fades off, you see a rise in  
 23 vinyl chloride, and eventually we should see an increase  
 24 here of ethene. So it's a little early to see that yet,  
 25 but we think that that's what's going to happen.

Page 53

1 And I think we have one more here. This is  
 2 53A. We are kind of seeing that same trend: sharp  
 3 increase of 1,2-DCE. As it falls off vinyl chloride and  
 4 as that falls off, we are starting to see some real good  
 5 ethene concentrations here.  
 6 So as I said, the purpose of this is just --  
 7 it's just a treatability study just to see if this  
 8 procedure will work and if we can implement it in a  
 9 larger scale out at the base.  
 10 Questions?  
 11 MS. PENDERGRASS: All right. Well, let's start  
 12 with Dr. Sumchai, the first question; and second, do we  
 13 have anyone else with questions? And then Maurice.  
 14 DR. SUMCHAI: It's just --  
 15 MR. CHRISTENSEN: Okay.  
 16 DR. SUMCHAI: -- I had --  
 17 MR. CHRISTENSEN: Yes.  
 18 DR. SUMCHAI: -- some questions about the  
 19 volatilization of compounds that you may be, you know,  
 20 conjugating as a result of the chemical reactions.  
 21 I wanted to correct you. Carbon dioxide is a  
 22 global warming gas; and if it's in sufficient quantity,  
 23 it'd come out of solution and is, you know, free to  
 24 diffuse into air; then it has a warming effect. And  
 25 that's very important in this community where

Page 54

1 respiratory disorders are a problem. Although you're  
 2 working 8 feet below surface --  
 3 MR. CHRISTENSEN: This is all in the sub- --  
 4 DR. SUMCHAI: Yes --  
 5 MR. CHRISTENSEN: -- surface --  
 6 DR. SUMCHAI: -- but they communi- --  
 7 MR. CHRISTENSEN: -- all in situ.  
 8 DR. SUMCHAI: -- cate with the outfalls into  
 9 the bay.  
 10 MR. CHRISTENSEN: I understand.  
 11 DR. SUMCHAI: And I don't know if your  
 12 monitoring wells are all -- at all times capped. They  
 13 are not. So, you know, there is some potential for  
 14 diffusion into air.  
 15 And --  
 16 MR. CHRISTENSEN: We do have caps on all those  
 17 wells. They are all sealed up at the surface.  
 18 DR. SUMCHAI: Okay. There are the alcohols, of  
 19 course, that the groundwater communicates with the --  
 20 you know, the bay.  
 21 And, you know, similarly, the -- you know, the  
 22 formation of compounds, like -- you know, like chloride,  
 23 I mean, there's -- in the air-monitoring studies of the  
 24 Shipyard has always detected air core chloroform, carbon  
 25 tetrachloride.

Page 55

1 So the formation of organochlorides, you know,  
 2 is just a concern to me. And, you know, similarly, you  
 3 know, ethene can conjugate, you know, with benzene.  
 4 MS. PENDERGRASS: Did you have a question,  
 5 Dr. Sumchai?  
 6 DR. SUMCHAI: Well, I'm asking about --  
 7 MR. CHRISTENSEN: We realize the ethene is a  
 8 concern, and that's why I wanted to mention what we  
 9 think -- what -- we believe our max concentrations  
 10 will be well below the LEL.  
 11 DR. SUMCHAI: Okay. Well, this was raised the  
 12 last time when we had a technical discussion about, you  
 13 know, air-monitoring data. Is it being collected? Is  
 14 it being -- you know, is it being monitored for?  
 15 MR. CHRISTENSEN: Air monitoring? We do air  
 16 monitoring for health and safety of all our workers out  
 17 there at all times.  
 18 DR. SUMCHAI: Okay.  
 19 MS. PENDERGRASS: Miss Rines?  
 20 MS. RINES: The second bacteria, well, is that  
 21 there too? Is that naturally forming?  
 22 MR. CHRISTENSEN: That's naturally occurring as  
 23 well. All these bacteria exist in the aquifer.  
 24 MS. RINES: So why wouldn't it have been --? I  
 25 just don't understand why it wouldn't -- I'm sorry. I

Page 56

1 don't understand why it wouldn't have done this by  
 2 itself if they are already naturally occurring, if one  
 3 eats the contaminants --  
 4 MR. CHRISTENSEN: We are trying to speed up the  
 5 process.  
 6 MS. RINES: Oh.  
 7 MR. CHRISTENSEN: They would. It would take  
 8 some -- take quite a bit of time.  
 9 MS. PENDERGRASS: Okay. We have Mr. Campbell  
 10 and then . . .  
 11 MR. CAMPBELL: Well, my question is somewhat  
 12 off of on Dr. Sumchai's question. You know, we have  
 13 ethene and we have methane. They do have a cause and  
 14 effect on the ozone layer, and we know that we are -- we  
 15 are along the methane on Parcel E to go into the  
 16 atmosphere already, and we are looking at potentials of  
 17 global warming.  
 18 So I wondered if you guys had any sort of  
 19 response to that question.  
 20 MR. BROOKS: That would have a miniscule  
 21 effect, less than a miniscule effect.  
 22 MS. PENDERGRASS: Can you speak up, Mr. --  
 23 MR. CHRISTENSEN: Can't hear you.  
 24 MS. PENDERGRASS: -- Brooks?  
 25 Thank you.

1 solution. Are you tr- --? What are you --? What  
 2 you're trying to do, is it to increase the population,  
 3 then you get them hungry, and then they go out to the  
 4 other contaminants after they --?  
 5 MR. CHRISTENSEN: Well, it increases their  
 6 energy production.  
 7 MR. LANPHAR: Their energy production --  
 8 MR. CHRISTENSEN: We're not --  
 9 MR. LANPHAR: -- in numbers --  
 10 MR. CHRISTENSEN: We didn't have to enhance --  
 11 MR. LANPHAR: -- or they just pump them up?  
 12 MR. CHRISTENSEN: We didn't have to enhance the  
 13 colony of bacteria.  
 14 MR. BROOKS: But they do reproduce. When you  
 15 give them food, they do reproduce.  
 16 MR. LANPHAR: I can't hear that.  
 17 MS. PENDERGRASS: Mr. Brooks, you're going to  
 18 have to speak into the microphone, please.  
 19 MR. BROOKS: When you do feed the bacteria,  
 20 like we give them the sodium lactate, then they do  
 21 reproduce, and the colonies do grow in numbers.  
 22 And it's a one-time injection. And so you  
 23 inject them. And what you say is true, they find all  
 24 this fine food there for them to eat. Sodium lactate, I  
 25 think sodium lactate is in Snickers bars and different

1 MR. BROOKS: Our treatability study will have a  
 2 less than a miniscule effect on the global warming on  
 3 any CO2 that we produce.  
 4 MR. CAMPBELL: Are you just talking about this  
 5 area, or are you taking in combination with Parcel E  
 6 that's what's being vented?  
 7 MR. BROOKS: Yeah, I could combine Parcel E on  
 8 that. One of the biggest methane producers in the  
 9 United States is cattle industry. I don't know if you  
 10 know that.  
 11 MR. CAMPBELL: Yeah, I know.  
 12 MR. BROOKS: One good way if you want to  
 13 eliminate some methane is everybody starts eating a  
 14 vegetarian diet. But yeah, just extremely miniscule --  
 15 less than miniscule effect. If we treated every  
 16 contaminant plume on the Shipyard with bioremediation  
 17 and producing -- or degrading our contaminants to CO2 --  
 18 MS. PENDERGRASS: Okay.  
 19 MR. CAMPBELL: Thank you.  
 20 MR. BROOKS: -- no effect.  
 21 MS. PENDERGRASS: Yes, sir.  
 22 MR. LANPHAR: Yeah. Perhaps the energy used to  
 23 run the pumps might have a greater greenhouse effect.  
 24 I'm not sure. But energy's a big one.  
 25 My question was on the feeding of the lactate

1 places like that.  
 2 So, you know, they are having a fine time, and  
 3 then they begin to run out of food, and then, yeah, they  
 4 do, they go for the contamination.  
 5 MR. LANPHAR: Okay. Thank you.  
 6 MS. PENDERGRASS: Miss Asher and then  
 7 Mr. Niccoli, please.  
 8 MS. ASHER: Is this a method that you're using  
 9 to remediate other sites onto other bases?  
 10 MR. CHRISTENSEN: We have used it successfully  
 11 at two other bases.  
 12 THE REPORTER: I'm sorry. I can't hear.  
 13 MR. CHRISTENSEN: We have used it successfully  
 14 at two other Navy bases.  
 15 MS. ASHER: Which bases are those?  
 16 MR. CHRISTENSEN: Point Mugu and Treasure  
 17 Island.  
 18 MR. BROOKS: And actually, there are bases even  
 19 beyond that that use this process. But these particular  
 20 bases are projects that our contractor, Shaw  
 21 Environmental, has done work on. And so those are the  
 22 two that we have all the data for right at hand.  
 23 MS. ASHER: And when they are -- I have a  
 24 microphone now.  
 25 And when they are hungrily eating all these

1 contaminants, are there other contaminants that they  
2 don't eat that are still in the aquifer?

3 MR. CHRISTENSEN: We are looking at -- The  
4 highest contaminants in this area are the PCE.

5 MS. PENDERGRASS: Can you use the microphone,  
6 please?

7 MR. CHRISTENSEN: Sure.

8 MS. PENDERGRASS: Thank you.

9 MR. CHRISTENSEN: We are looking at the PCE and  
10 TCE are the highest contaminants in this area. And on  
11 one of those slides, it showed some of the other  
12 constituents which are also anaerobically and  
13 aerobically, and we do have those.

14 MS. ASHER: All right. And I just -- and the  
15 decision to treat these particular class of contaminants  
16 is through the BCT, or how does that get decided?  
17 Through the --?

18 MR. CHRISTENSEN: It is gone through the BCT.

19 MS. ASHER: Okay. All right. Thanks.

20 MR. CHRISTENSEN: And the RAB as well we've  
21 submitted these work plans --

22 MS. PENDERGRASS: Okay. We have three --

23 MR. CHRISTENSEN: -- for review.

24 MS. PENDERGRASS: -- more questions here. We  
25 have Mr. Niccoli and then Mr. Campbell, okay.

Page 61

1 MR. SMITH: Temperature, dissolved oxygen,  
2 those kinds of things?

3 MR. CHRISTENSEN: DO, temperature, right, those  
4 are all parameters.

5 MR. SMITH: And are you basing this on some  
6 previous published research?

7 MR. CHRISTENSEN: There's lots of published  
8 research on this technology and prior knowledge from the  
9 other bases. Actually, our contractor brought the  
10 equipment, which they successfully used on Point Mugu,  
11 to Hunters Point.

12 MS. PENDERGRASS: Okay. Lea and then Miss  
13 Asher.

14 MS. OLIVA: Oh, I'm -- Lea [indicating].

15 MS. LOIZOS: I was just curious why you do the  
16 circular motion of the groundwater that you described,  
17 the repumping and extracting through.

18 MR. CHRISTENSEN: We wanted to get the sodium  
19 lactate evenly distributed throughout the test cell, and  
20 we wanted to install a large-diameter extraction well to  
21 influence the groundwater flow.

22 MS. PENDERGRASS: Miss Oliva? I'm sorry.

23 MR. CHRISTENSEN: And once we see the sodium  
24 lactate in the extraction well, we shut it off. That is  
25 a one-time injection.

Page 63

1 And then Lea, did you have a question as well?

2 MS. LOIZOS: If there's time.

3 MS. PENDERGRASS: There will. Okay.

4 MR. CHRISTENSEN: Okay. Who's first?

5 MR. NICCOLI: When you inject with a sodium  
6 lactate, you increase the anaerobic processes in the  
7 soil which will decrease the aerobic processes. Are you  
8 going to reinject aerobic bacteria in, or it's just  
9 strictly oxygen base? You're just going to feed  
10 oxygen --?

11 MR. CHRISTENSEN: We are just going to inject  
12 the oxygen.

13 MS. PENDERGRASS: Okay.

14 All right. Mr. Smith?

15 MR. SMITH: Okay. I'd like to ask you, how did  
16 you establish the baseline conditions before you started  
17 this project, and what parameters did you measure?

18 MR. CHRISTENSEN: We went out and collected  
19 groundwater samples from a whole host of groundwater  
20 monitoring wells in the area. We already have knowledge  
21 of the PCE and TCE concentrations. We measured and took  
22 samples for the bacteria which are naturally occurring.  
23 I wanted to see if there was a sufficient colony in the  
24 area to degrade, and our lead science project manager  
25 told us there is.

Page 62

1 MS. OLIVA: In the process of the contaminants  
2 being eaten or eaten, is that --

3 MR. CHRISTENSEN: That's correct.

4 MS. OLIVA: -- that correct?

5 Are there any side effects, residues that are  
6 created, gases in the process of this?

7 MR. CHRISTENSEN: No. The by-products would be  
8 the carbon dioxide, water, and ethene.

9 MS. OLIVA: And the ethene, which you said is  
10 not explosive but will increase in -- it's going to  
11 increase?

12 MR. CHRISTENSEN: It will gradually increase.  
13 It's a nontoxic constituent.

14 MS. OLIVA: But you had mentioned some sort of  
15 explosive.

16 MR. CHRISTENSEN: It's well below that. Ethene  
17 is an explosive gas.

18 MS. OLIVA: Well, how high --?

19 MR. CHRISTENSEN: But we wanted to measure our  
20 max concentration that was -- we thought it at 7 ppm,  
21 and the LEL for ethene is 30,000.

22 MS. OLIVA: Well, in the process of this until  
23 2005, how high will the ethane reach?

24 MR. CHRISTENSEN: Seven parts per --

25 MS. OLIVA: Max?

Page 64

1 MR. CHRISTENSEN: -- million. That's what we  
2 have calculated.  
3 MS. OLIVA: What if it goes above that?  
4 MR. CHRISTENSEN: It would have to go  
5 considerably higher than that to get to the LEL.  
6 MS. OLIVA: Thank you.  
7 MR. LANPHAR: What's the LEL?  
8 MR. CHRISTENSEN: 30,000 lower explosive limit.  
9 MR. BROOKS: So you need at least 30,000 parts  
10 per million to cause an explosion using ethene. So it's  
11 like trying to go to the car lot and buying a \$30,000  
12 car with seven bucks.  
13 MS. PENDERGRASS: All right.  
14 MS. OLIVA: Your analogy --  
15 MS. PENDERGRASS: Well, thank you,  
16 Mr. Christensen. Thank you for your presentation.  
17 All right, now, Mr. Brooks?  
18 MR. BROOKS: I'm up.  
19 MS. PENDERGRASS: You're up. Oh, I'm sorry.  
20 Mr. Hanif, do you have a question?  
21 MS. WRIGHT: Here, use this microphone.  
22 MR. HANIF: Not to be disrespectful to -- I'm  
23 sorry, Mr. -- Glenn, tossing out terms like UEL [sic],  
24 LEL, UFL [sic], LFL [sic], unless you've studied  
25 hazardous materials, it does a disservice to the people

Page 65

1 in the room.  
2 MS. PIERCE: Thank you.  
3 MR. HANIF: And you're just talking over their  
4 head. It's like talking about, you know, part per  
5 million. I know what that is, but be- -- only because  
6 I'm familiar with that. But if you haven't studied it,  
7 it makes no sense at all.  
8 MS. PENDERGRASS: Good point.  
9 All right. All right. Mr. Brooks is up next.  
10 MR. BROOKS: Okay. We do a lot to try to bring  
11 these presentations down to an easily understandable  
12 level. And the same presentation is given at the BCT  
13 meeting, and it's considerably more scientific content,  
14 considerably more complicated. So we do a lot to bring  
15 these down to a general public audience.  
16 MS. PENDERGRASS: That makes us feel so stupid  
17 now. Thank you so much. Thank you.  
18 Can we all just stand up a minute so we can  
19 just get a little blood here, get a little blood.  
20 It's the way you said it, Pat.  
21 MR. BROOKS: Chris is saying that our  
22 presentations mean nothing, but we do a lot.  
23 MS. PENDERGRASS: He didn't say that.  
24 MR. HANIF: No, no.  
25 MS. PENDERGRASS: You missed the point.

Page 66

1 MR. HANIF: Excuse me. Pat?  
2 MS. PENDERGRASS: He said the acronyms that you  
3 were --  
4 MR. HANIF: The acronyms, yeah.  
5 MS. PENDERGRASS: -- using were not helping us  
6 to understand. That's what he said.  
7 MR. BROOKS: Ah.  
8 MS. PENDERGRASS: So take it in the spirit --  
9 MR. HANIF: That --  
10 MS. PENDERGRASS: -- it was given.  
11 MR. HANIF: That's like saying PEL [sic], LFL  
12 [sic], ppm, TWA. I mean, PPE? I mean --  
13 MS. PENDERGRASS: I know what a PPOE [sic] is  
14 now, finally.  
15 DR. SUMCHAI: Can I just --  
16 MS. PENDERGRASS: Okay.  
17 DR. SUMCHAI: -- very quickly and with  
18 relevance that when I first -- my first RAB meeting in  
19 September of the year 2000, we were -- or you were  
20 producing a list of acronyms and their definition. That  
21 was a handout. And it probably is, you know, something  
22 sexy to think about, you know, doing that as standard  
23 procedure.  
24 MS. PENDERGRASS: All right.  
25 MR. HANIF: No offense.

Page 67

1 MR. BROOKS: No offense taken.  
2 MS. PIERCE: Well, you were absolutely right.  
3 Don't apologize. It's not about dumbing down for  
4 anybody. You can have --  
5 MS. PENDERGRASS: All right. We're going to  
6 get off schedule if you continue on this vein. Let's  
7 let Mr. Brooks have the floor. Thank you. Thank you.  
8 MR. BROOKS: Parcel A Finding of Suitability to  
9 Transfer, the FOST.  
10 MS. PENDERGRASS: Can you use the microphone,  
11 Mr. --?  
12 MR. BROOKS: The government lives and dies with  
13 acronyms.  
14 MS. PENDERGRASS: Mr. Brooks, can I invite you  
15 to use the microphone? Thank you so much.  
16 MR. BROOKS: I can't be heard with just my  
17 voice?  
18 MS. PENDERGRASS: No, sir.  
19 MR. BROOKS: Okay.  
20 Before I start on the presentation, 'cause this  
21 is mostly about the FOST and Building 322, I want to  
22 talk about the boundary changes that have occurred on  
23 Parcel A and why they have occurred.  
24 And I want to make certain that the RAB knows  
25 that the Navy's objective on the Shipyard is to clean up

Page 68

Page 65 - Page 68

1 the parcels so they are suitable for transfer and then  
 2 productive reuse. That is our main objective. That is  
 3 what we are all about. We want to clean the Shipyard  
 4 parcels up. We want to transfer them. We'd like to see  
 5 them get back into their productive reuse.  
 6 So the parcel boundaries were drawn, based on  
 7 the information that we knew at the time, to help us  
 8 with that transfer. And as we learn more about the  
 9 conditions of the Shipyard, if it seems reasonable to us  
 10 to change the boundaries of those parcels to help us get  
 11 this land transferred, then that's exactly what we're  
 12 going to do.  
 13 And that's what we have done over here on  
 14 Parcel A. Got my laser pointer. And you can see the  
 15 latest change here where we carved out this big area  
 16 here, over here, and that contains Building 813 and  
 17 Building 819. That's the sewage pump station and NRDL  
 18 building.  
 19 Those buildings in the draft HRA that came out  
 20 last March, I think, were considered impacted. The 813  
 21 had a report that a strontium source in some piece of  
 22 test equipment may have leaked, and RASO wants to go  
 23 back in there and check it out.  
 24 Building 819, the sewage pump station, and  
 25 could have received radioactive waste from some drain

Page 69

1 square from Parcel A and just taken a little bit more  
 2 time to transfer Parcel A, or we could have done the  
 3 survey and any remediation if it had been necessary.  
 4 And what we chose to do was this survey and remediation  
 5 if it would have been necessary, but it turns out it  
 6 wasn't.  
 7 So we have been working with the EPA. We have  
 8 been working with the State Department of Health  
 9 Services to release this building site. It's no longer  
 10 a building. There's just dirt of what was beneath the  
 11 building.  
 12 Then we want to submit the final FOST, and that  
 13 will have the Building 322 results of all the survey  
 14 work that we have done.  
 15 And the final objective's no secret: We want  
 16 to transfer property, and we'd like to see it put back  
 17 into productive reuse.  
 18 Next slide.  
 19 Now, that's what it looked like a couple of  
 20 months ago. Building 322, former guard shack, former  
 21 NRDL instrument storage area or storage building for  
 22 some of the instruments that the NRDL used had been on  
 23 Parcel D. We had thought it had been demolished, but  
 24 what in fact had happened is, they picked it up and  
 25 moved it over here to Parcel A.

Page 71

1 lines, especially that have come over here from Parcel C  
 2 where we had a radium paint shop, okay?  
 3 So those were taken out. Those are going to  
 4 need some extra work. We want to transfer Parcel A.  
 5 That's no secret to anybody. So we take these problem  
 6 areas out of Parcel A. That's why we do it. We're not  
 7 trying to hide anything. We're not trying to be  
 8 devious. We're all about cleaning up the Shipyard and  
 9 transferring the property so it can go back in the  
 10 productive reuse.  
 11 So with that, I want to just start my  
 12 presentation here, kind of an outline here with  
 13 objectives. What we have done over here at  
 14 Building 322, I think over the last couple of months  
 15 everybody who's been watching this corner have seen the  
 16 changes that have occurred. The EPA has recently come  
 17 out and inspected the soil beneath the Building 322  
 18 concrete slab.  
 19 I want to talk a bit about the Parcel A Finding  
 20 of Suitability to Transfer and then the path forward  
 21 that we are looking at.  
 22 So the objectives here, we want to document the  
 23 evaluation of the Building 322 for any radiation  
 24 impacts. We had the opportunity or we had a choice of  
 25 whether or not we could have just removed that little

Page 70

1 Next slide.  
 2 So what did we do? We did a radiation survey  
 3 of Building 322. We surveyed the furniture. We  
 4 surveyed the floor. We surveyed the entire building.  
 5 Where there was more than one layer of flooring, we  
 6 surveyed every layer of flooring.  
 7 We then reviewed those survey results, and we  
 8 got the okay to demolish the building and then dispose  
 9 of the building at a regular landfill. It was a regular  
 10 building, so it went to a regular landfill.  
 11 Then after the building was gone, we did the  
 12 concrete slab survey. We evaluated that data, found  
 13 that it was not contaminated, and we broke it up, and we  
 14 disposed of the concrete slab.  
 15 The next thing we went out to do was a  
 16 footprint survey, and that's the footprint or the soil  
 17 that was beneath the slab, beneath the concrete slab of  
 18 the building.  
 19 Now, there was an independent inspection by the  
 20 EPA. EPA took their own instruments out, and they did  
 21 their own survey. And to kind of cut to the chase, no  
 22 radiation above background.  
 23 There's the site as it is today. The  
 24 building's demolished, and the surveys are complete.  
 25 EPA performed a field inspection on June 30th.

Page 72

1 These are the instruments they used. They evaluated  
 2 that area there beneath the slab -- and this comes  
 3 from -- actually, it's an e-mail that was sent to us by  
 4 the EPA representative, found that everything looked  
 5 like it was within background, found no evidence of any  
 6 fissionable products.  
 7 Next slide.  
 8 Concluded that there's no radiological  
 9 contamination impacting the environment at Hunters Point  
 10 Shipyard due to the activities previously conducted at  
 11 the Building 322. Concluded that further radiological  
 12 investigation wasn't warranted and that the site of  
 13 former Building 322 would be eligible for release in  
 14 unrestricted use.  
 15 Now, we still have one more thing to do, and  
 16 that's put our own report together and give it to review  
 17 for the California Department of Health Services. And  
 18 we'll get the release letters, and those are going to be  
 19 appended to the final FOST.  
 20 So we're going to finalize that survey report  
 21 after RASO completes their review, Laurie Lowman  
 22 completes her review.  
 23 We're going to allow regulatory review of the  
 24 survey report. We don't see any problem with obtaining  
 25 the Department of Health Services' release of the

Page 73

1 MS. PENDERGRASS: -- Miss Pierce and then on to  
 2 Dr. Sumchai.  
 3 MS. OLIVA: Mr. Brooks, we spoke about this  
 4 before when you were going to get me all this stuff.  
 5 Anyway, the building itself you used gamma  
 6 scintillation probe?  
 7 MR. BROOKS: No. This is the EPA.  
 8 MS. OLIVA: Okay. What did you use to  
 9 determine there was no fission products in the wood and  
 10 the actual building? Not the slab, 'cause the slab was  
 11 probably new, since we moved the building.  
 12 MR. BROOKS: We used the same device for the  
 13 entire survey.  
 14 MS. OLIVA: And when will those --? When  
 15 will -- When can I see those?  
 16 MR. BROOKS: When will that report be out?  
 17 MS. OLIVA: Yes.  
 18 MR. BROOKS: I believe that report is due out  
 19 Tuesday, this Tuesday.  
 20 MS. OLIVA: And how can I get a copy of that?  
 21 MR. BROOKS: You need only ask.  
 22 MS. OLIVA: Okay. I --  
 23 MS. PENDERGRASS: Great.  
 24 MS. OLIVA: The other question I have is --  
 25 MS. PENDERGRASS: We said one question at a

Page 75

1 building -- the former building, the dirt beneath the  
 2 building.  
 3 We're going to identify any unresolved comments  
 4 with the regulatory agencies.  
 5 We're going to prepare a draft final FOST.  
 6 This is Revision 3. It's going to be virtually  
 7 identical to the FOST that went out last time except it  
 8 will have a description of the work we did on building --  
 9 excuse me -- Building 322, and it will also have the  
 10 letters for free release like we have in the FOST now  
 11 for other buildings that have been released by DHS. It  
 12 will have a 30-day comment period.  
 13 Next slide.  
 14 I'm almost finished.  
 15 MS. OLIVA: End of slide.  
 16 MR. BROOKS: Oh, I am finished.  
 17 MS. PENDERGRASS: Okay. So are you finished  
 18 with your presentation?  
 19 MR. BROOKS: I am.  
 20 MS. PENDERGRASS: All right. So let's start --  
 21 MR. BROOKS: And I'm not accepting any  
 22 questions.  
 23 MS. PENDERGRASS: I beg to differ with you.  
 24 We'll start with Miss Oliva, and we want to --  
 25 MS. OLIVA: Thank you.

Page 74

1 time.  
 2 MS. OLIVA: Oh, can I just ask him what they  
 3 did with the building?  
 4 MS. PENDERGRASS: Well, if everybody --  
 5 MR. BROOKS: I said in my presentation we took  
 6 it to the landslide.  
 7 MS. OLIVA: You took it to Parcel E?  
 8 MS. BROWNELL: No, no, no, no.  
 9 MS. PIERCE: Yeah, of course.  
 10 MS. OLIVA: Did you really?  
 11 MR. ATTENDEE: No, no.  
 12 MR. BROOKS: A former landfill.  
 13 MS. OLIVA: Okay. Where did you take it?  
 14 MR. BROOKS: I'm not sure of the landfill.  
 15 It's a municipal landfill.  
 16 MS. OLIVA: In the county?  
 17 MR. BROOKS: I'm not sure. I'm not sure.  
 18 MS. OLIVA: You should know those things.  
 19 MR. BROOKS: I'm not sure.  
 20 MS. OLIVA: Okay.  
 21 MR. BROOKS: It's construction waste. I don't  
 22 know where it went.  
 23 MS. PIERCE: You're going to love this one.  
 24 This says that the site -- the former  
 25 Building 322 is eligible for release.

Page 76

Page 73 - Page 76

1 However, if I understand the whole  
2 presentation, there are two former sites of former  
3 Building 322. So how are we going to be able to track  
4 this to make sure that when you get to the original  
5 former site of Building 322 that we know what we want  
6 you to look for?

7 MR. BROOKS: It's in the HRA.

8 MS. PIERCE: What's it called?

9 MR. BROOKS: Former site of Building 322

10 MS. PIERCE: "Former site of Building 322."

11 Okay. You -- This is --

12 MR. BROOKS: It's in Parcel D. It has a  
13 recommended survey associated with that building site.

14 MS. PIERCE: But I would ask EPA to clarify  
15 this and say, "former site in Parcel A of Building 322."

16 MR. BROOKS: Well, this is just my  
17 presentation.

18 MS. PIERCE: Okay.

19 MR. BROOKS: So you can't hold the EPA to  
20 correct my presentation.

21 MS. PIERCE: No. I can ask them, 'cause they  
22 are here, so that we can be sure --

23 MR. BROOKS: But I wrote that.

24 MS. PENDERGRASS: Mr. Brooks, stop being  
25 defensive. Stop being defensive.

Page 77

1 MS. PIERCE: He's not being defensive. We're  
2 having fun.

3 MS. PENDERGRASS: Stop being offensive. Thank  
4 you.

5 MS. PIERCE: I resemble that [sic].

6 DR. SUMCHAI: Okay. Well --

7 MS. PENDERGRASS: We can move on.

8 DR. SUMCHAI: Yeah, I got a couple of questions  
9 for you. One, you just said in your presentation,  
10 Mr. Brooks, that you didn't remediate the building. You  
11 demolished it. Okay?

12 MR. BROOKS: Didn't require remediation.

13 DR. SUMCHAI: Why did you demolish the  
14 building? Were you hiding evidence? Why did you  
15 demolish the building? Tell me that.

16 MR. BROOKS: Okay. Seriously, the reason the  
17 building had to come down was because we had to survey  
18 the slab.

19 DR. SUMCHAI: Okay. All right.

20 MR. BROOKS: And we had to survey the soil  
21 beneath the slab.

22 DR. SUMCHAI: Okay. I understand that. Okay.

23 MR. BROOKS: So that stuff had to go.

24 DR. SUMCHAI: Okay. Now, the other thing is  
25 that yesterday you in the meeting joked -- were you

Page 78

1 joking when you said that Parcel A is now down to  
2 50 acres?

3 MR. BROOKS: That was you who said Parcel A is  
4 down to 50 acres.

5 DR. SUMCHAI: Oh, so that's not accurate?

6 MR. BROOKS: That was what you said.

7 DR. SUMCHAI: Oh, okay. No, I just wondered if  
8 there had been, you know, whittling down more than what  
9 was --

10 MR. BROOKS: No, no, no no.

11 DR. SUMCHAI: Okay. All right. I

12 misunderstood that, 'cause I was thinking that if  
13 you could whittle it down to 40 acres and add a mule,  
14 you could give it to me for what my ancestors were  
15 supposed to get after slavery, okay?

16 MS. PENDERGRASS: Okay. Stay on track --

17 DR. SUMCHAI: No. In all seriousness --

18 MS. PENDERGRASS: -- here, Dr. Sumchai. Okay.

19 DR. SUMCHAI: In all seriousness --

20 MS. PENDERGRASS: Okay.

21 DR. SUMCHAI: -- I also have really big

22 concerns about --

23 MR. BROOKS: I know where you can get a mule.

24 DR. SUMCHAI: You're using them to get rid of  
25 the weeds, though.

Page 79

1 MS. PENDERGRASS: Can we stay on track?

2 DR. SUMCHAI: So, you know, the background  
3 count of 16,700 counts per minute and 18,300 counts per  
4 minute, I have some concerns about that because I've  
5 read where, you know, counts greater than 10,000 are  
6 significant other places.

7 What does this mean in relationship to the  
8 counts per minute at San Francisco beach?

9 And then the last question is about --

10 MR. BROOKS: One question. One question.

11 MS. PENDERGRASS: Wait, wait, wait, wait.

12 Let's just answer that one first.

13 Can you --? Did you get the question?

14 MR. BROOKS: I need a drink of water here.

15 MS. PENDERGRASS: Did you get that question,  
16 Mr. Brooks?

17 MR. BROOKS: Yeah. What do the counts mean.

18 The counts meant that those counts represent  
19 background.

20 DR. SUMCHAI: At Hunters Point Shipyard?

21 MR. BROOKS: No. Over at Building 322, former  
22 Building 322 site.

23 DR. SUMCHAI: In some grassy area that you used  
24 as a reference?

25 MR. BROOKS: You know, we're really going to

Page 80

1 I have to review where the background readings were taken  
2 and stuff like that.  
3 DR. SUMCHAI: You know --  
4 MR. BROOKS: But it's in the area, Dr. Sumchai.  
5 DR. SUMCHAI: I know.  
6 MR. BROOKS: When you do the radio radiation  
7 survey, you choose an area that's uncontaminated. You  
8 get a good background, and then you compare your  
9 readings from the site that you're investigating.  
10 DR. SUMCHAI: But, you know, like background  
11 level in Denver, Colorado, of 10,000 counts per minute  
12 in the study I was looking at was considered high.  
13 MR. BROOKS: Yes.  
14 DR. SUMCHAI: So, you know, is this  
15 background --  
16 MR. BROOKS: As we discussed --  
17 DR. SUMCHAI: -- it's Hunters Point Shipyard  
18 background?  
19 MR. BROOKS: As we discussed with concrete, for  
20 example, if you get a different mix of concrete, the  
21 background can change in that concrete due to the  
22 content of the sand and gravel because of the natural  
23 radioactive materials that occur in the earth's crust.  
24 MS. PENDERGRASS: But wasn't the question,  
25 though, what did you base your --?

1 DR. SUMCHAI: Yeah, what is the background at  
2 San Francisco beach, for example, or downtown San  
3 Francisco?  
4 MR. BROOKS: I don't know anything about  
5 downtown San Francisco or the beach.  
6 MS. PENDERGRASS: So is that in the background  
7 report?  
8 DR. SUMCHAI: Okay. All right. Background at  
9 Hunters Point Shipyard is a big nebulous void to me. As  
10 long as I've chaired this committee, it remains a big  
11 nebulous void unless you can translate 18,300 counts per  
12 minute or 20,000 counts per minute at Hunters Point  
13 Shipyard into something that would -- you know,  
14 confidence says it's not going to hurt people; it just  
15 sounds suspicious.  
16 I mean, to someone who's not trained --  
17 MR. BROOKS: Well --  
18 DR. SUMCHAI: -- 20,000 counts per minute  
19 sounds like a lot of particle radiation.  
20 And then my final question, did you detect any  
21 gamma waves at all? You said here, "no evidence of  
22 fissionable products." Was there any gamma activity  
23 that was detected?  
24 MR. BROOKS: I would have to review the report  
25 and --

1 DR. SUMCHAI: You did. You did.  
2 MR. BROOKS: No. I reviewed the e-mail.  
3 DR. SUMCHAI: Okay. All right.  
4 MR. BROOKS: I'm assuming that there's a  
5 background level of gamma radiation. I don't know. I  
6 assume there is.  
7 DR. SUMCHAI: Okay.  
8 MS. PENDERGRASS: So I hear -- there are two  
9 questions that you were given, assuming -- and I think.  
10 Is there going to be some follow-up to that, or how are  
11 we going to handle that to have a definitive response?  
12 MR. BROOKS: The survey report will be issued  
13 this Tuesday.  
14 DR. SUMCHAI: Okay.  
15 MR. BROOKS: Would you like a copy?  
16 MS. PIERCE: Yes.  
17 DR. SUMCHAI: Yes. Georgia and I will review  
18 it.  
19 MS. PENDERGRASS: All right. We have a  
20 question over here with Mr. Campbell. Is there any  
21 other question over there? Okay.  
22 Miss Bushnell, you didn't have a question?  
23 MR. CAMPBELL: Mr. Brooks --  
24 MR. BROOKS: Yes, Mr. Campbell.  
25 MR. CAMPBELL: -- Dr. Sumchai had a very good

1 point. Maybe we can find out what the background  
2 standard is supposed to be for this space and in regards  
3 to other surrounding areas.  
4 MR. BROOKS: Okay. The background level does  
5 change across the base. Depends on whether you're  
6 looking at soil or asphalt or concrete.  
7 MS. PENDERGRASS: Okay, but they are looking  
8 for --  
9 MR. CAMPBELL: Right.  
10 MR. BROOKS: -- the changes.  
11 MR. CAMPBELL: Yeah, we understand that you're  
12 going to get a higher reading on concrete and things  
13 like that. But we want a general rule of thumb on the  
14 background, naturally occurring.  
15 MR. BROOKS: I'll see if the experts believe  
16 that that's an accurate way to portray background. From  
17 what I've heard, I don't think so. Perhaps a range.  
18 MR. CAMPBELL: Yeah, maybe a range with certain  
19 identifiable markers and a matrix. I think that can be  
20 understood. I, you know --  
21 MS. PENDERGRASS: So is that an action item I  
22 hear that we're adding?  
23 MS. PIERCE: Please. Yes, please.  
24 MR. CAMPBELL: Thank you.  
25 DR. SUMCHAI: And some San Francisco reference.

1 MS. PENDERGRASS: Okay. Wait a minute. Wait a  
2 minute. So I hear an action item of reference --  
3 DR. SUMCHAI: Right.  
4 MS. PENDERGRASS: -- background --  
5 MR. CAMPBELL: Right.  
6 MS. PENDERGRASS: -- information as it relates  
7 to somewhere in San Francisco that's identifiable.  
8 MR. BROOKS: We can --  
9 MS. PENDERGRASS: Mr. Brooks, can you take that  
10 on?  
11 MR. BROOKS: We can provide a range of  
12 background readings on the Shipyard.  
13 MS. PENDERGRASS: Okay.  
14 MR. BROOKS: We don't really have access to all  
15 the data that may have been collected within the city of  
16 San Francisco.  
17 MS. PENDERGRASS: Oh, we just kind of like to  
18 keep it as local as possible.  
19 MR. BROOKS: But I can do it for the Shipyard  
20 based on the work our contractors have done.  
21 DR. SUMCHAI: And in the history of mankind,  
22 someone in the City has an idea of radiation  
23 backgrounds.  
24 MR. CAMPBELL: Yeah, I would think the EPA  
25 would have some data possibly.

Page 85

1 MS. PIERCE: Yeah, that's what I was thinking.  
2 MR. BROOKS: We could ask EPA if they have such  
3 information.  
4 MS. PENDERGRASS: Mr. Work, does that sound  
5 like we can add you to this action item?  
6 MR. WORK: Yes, you can.  
7 MR. CAMPBELL: Thank you.  
8 MS. PENDERGRASS: Very fine. So I will trust  
9 that you and Mr. Brooks will coordinate your action item  
10 response for next month?  
11 MR. BROOKS: We shall.  
12 MS. PENDERGRASS: Thank you so much.  
13 Are there any other questions of this  
14 presentation? which was so nicely done.  
15 MS. PIERCE: Thank you.  
16 (Applause.)  
17 MS. PENDERGRASS: All right.  
18 MR. BROOKS: Thank you, everyone.  
19 MS. PENDERGRASS: All right. Are there any  
20 questions from the audience tonight about anything that  
21 has transpired at this meeting today?  
22 MR. HANIF: Questions?  
23 MS. PENDERGRASS: Any questions? Yes?  
24 MR. HANIF: No. Just . . .  
25 MS. PENDERGRASS: Okay.

Page 86

1 Any future agenda topics that we might need to  
2 add? Dr. Sumchai has added one, but it has no definite  
3 date at this point. Was there any other agenda items?  
4 DR. SUMCHAI: Also --  
5 MS. PENDERGRASS: Mr. Hanif.  
6 MR. HANIF: Not more agenda items, but more of  
7 a -- not more of a agenda item. More of an -- I guess,  
8 an offer to the RAB.  
9 MS. PENDERGRASS: Certainly, Mr. Hanif. Can  
10 you do that?  
11 MR. HANIF: We're getting ready to run a  
12 hazardous waste training program starting in September.  
13 At the end of that program, actually, I'd like to take  
14 the participants of it, since they've gone through the  
15 training --  
16 MS. PENDERGRASS: Slow down.  
17 MR. HANIF: On September 1st, we are going to  
18 begin to run our hazardous waste training program.  
19 It'll have radiation training as well.  
20 And at the end of it, I'd like to offer to the  
21 RAB for those who are interested an option to have some  
22 of the graduates from that class actually do an  
23 informational on some of the terminology that's utilized  
24 here at the RAB, like LEL, UFL [sic], LE-- you know --  
25 MS. PENDERGRASS: Whatever.

Page 87

1 MR. HANIF: -- all that type of stuff.  
2 MS. PENDERGRASS: Sounds great.  
3 MR. HANIF: So anyone's interested in that,  
4 I'll actually have dates coming up for that, and I'll  
5 also be announcing dates for the orientation for that  
6 actual training itself.  
7 MS. PENDERGRASS: All right. Okay.  
8 DR. SUMCHAI: We had also extended an  
9 invitation to Gerald Vincent from Army Corps of  
10 Engineers to address the RAB, and he can't do it in  
11 August. So that is an open invitation, and I will  
12 follow up with him to see when he's available about  
13 FUDS.  
14 MS. PENDERGRASS: Mr. Capobres?  
15 MR. CAPOBRES: Nervous. Just wanted to make  
16 the announcement to the RAB that this is my last RAB  
17 meeting representing the Redevelopment Agency. I'm  
18 going to be leaving the Redevelopment Agency as of  
19 August 13th.  
20 MS. PENDERGRASS: Oh, we wouldn't have anyone  
21 else to pick on.  
22 MR. CAPOBRES: Well, you will have someone to  
23 pick on. I'm sure of that. So I'll be in direct  
24 contact with the community co-chair, Mr. Campbell, and  
25 the Navy and communicating through Miss Brownell as to

Page 88

1 who your new contact person will be on this.  
2 But I wanted to say I enjoyed the three and a  
3 half or so years here, and I look forward to the fruits  
4 of your labor, and thank you for kind of keeping the  
5 pressure on and making sure we all do the right thing.  
6 So thanks a lot.

7 MS. PENDERGRASS: Might we ask where you're  
8 going?

9 (Applause.)

10 MR. CAPOBRES: I'm going back to the dark side  
11 and joining the private sector again, Shea Homes,  
12 Northern California. And the decision is really  
13 primarily a personal decision. My family is changing,  
14 and I'm expecting a baby girl in four and a half months  
15 or five months or so. So --

16 (Applause.)

17 MS. PENDERGRASS: You're going to get as far  
18 away from the Shipyard as possible.

19 Okay. Any other questions or comments? Would  
20 you like to have a closing comment?

21 DR. SUMCHAI: I wanted to emphasize how  
22 important a resource to the community the Anna B. Waden  
23 Library is, and I think that the Navy should make every  
24 effort to make sure that its library of documents,  
25 public documents, is as thoroughly stocked as the main

Page 89

1 you put these records on CD and make those available,  
2 and that way you take up minimal amount of space and  
3 have a complete copy.

4 MR. BROOKS: For the stuff we have on CD,  
5 that's a great suggestion, Clifton, and I think, yeah,  
6 we'll take that on, 'cause that is -- that's easy for us  
7 to do. Like you say, it takes up very little space.

8 I know some people don't have the computers and  
9 the software and stuff --

10 MS. PENDERGRASS: But the library does.

11 MR. CAMPBELL: The library does.

12 MS. PENDERGRASS: But the library does.

13 MR. BROOKS: They do?

14 MR. CAMPBELL: Yeah.

15 MR. BROOKS: Okay, yeah. That's a terrific  
16 idea.

17 MS. PENDERGRASS: Thank you, Mr. Smith.

18 MR. CAMPBELL: My only closing comment is,  
19 there's going to be a lot more concentration on the  
20 subcommittees and recommendations coming out of there.

21 So we're asking all of you to participate in the  
22 subcommittees. Thank you.

23 MS. PENDERGRASS: All right. We are adjourned.  
24 (Off record at 7:48 p.m., 7/22/04.)

25 ---oOo---

Page 91

1 library, as is the Community, you know, Window on the  
2 Shipyard.

3 There is just no reason why we can't be able to  
4 go to the community library and find a current document  
5 that's important, especially if it is available at off  
6 site. I mean, there just is no justification for that.

7 MR. BROOKS: Oh, I need to find my switch. But  
8 I'll just say it without a microphone. They don't have  
9 the space. They do not have the space. We would  
10 overwhelm the library. They have given us the space  
11 they have given us. And if you want to look at the full  
12 record, you have to go down to the main library.

13 MS. PENDERGRASS: So that's something you'd  
14 have to talk with the local officials around the library  
15 about.

16 MR. BROOKS: I mean, do you remember the --

17 MS. PENDERGRASS: Okay.

18 MR. BROOKS: -- the report you said had to be  
19 transferred by U-Haul? That's just one.

20 DR. SUMCHAI: Okay.

21 MS. PENDERGRASS: All right. We have a closing  
22 comment from Mr. Campbell.

23 I'm sorry. We have one more comment from  
24 Mr. Smith.

25 MR. SMITH: I could suggest that you could --

Page 90

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 6<sup>th</sup> day of August, 2004

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

Page 92