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HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD

REPORTER'S TRANSCRIPT OF MEETING

April 24, 2003

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

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

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CERTIFIED SHORTHAND REPORTERS SERVING THE BAY AREA

1

P A R T I C I P A N T S

2

3 FACILITATOR: MARSHA PENDERGRASS - Pendergrass &
4 Associates
5 CO-CHAIRS: KEITH FORMAN - United States Navy SWDIV
6 LYNNE BROWN - Communities for a Better
7 Environment, Community First Coalition
8
9

10 RAB MEMBERS

11

12 LANI ASHER - Communities for a Better Environment (CBE),
13 Community First Coalition (CFC)
14 AMY BROWNELL - San Francisco Department of Public Health
15 BARBARA BUSHNELL - R.O.S.E.S, resident
16 MARIE J. FRANKLIN - Shoreview Environmental, Incorporated
17 HELEN JACKSON - All Hallows Gardens Residents Association
18 JACQUELINE ANN LANE - U.S. Environmental Protection
19 Agency (EPA)
20 LEA LOIZOS - Arc Ecology
21 KEVYN D. LUTTON - Resident
22 J. R. MANUEL - JRM Associates, India Basin resident
23 JESSE MASON - Bayview-Hunters Point Community Advocates,
24 Community First Coalition (CFC)
25 JULIE MENACK - Regional Water Quality Control Board

1 RAB MEMBERS [Cont.]:
2
3 JAMES MORRISON - Environmental Technology
4 GEORGIA OLIVA - Communities for a Better Environment
5 (CBE), CCA member
6 SULULAGI PALEGA - Hunters Point Boys & Girls Club,
7 Housing Authority, Samoan Community Development Center
8 KAREN G. PIERCE - Bayview Advocates, BVHP Democratic Club
9 MELITA RINES - India Basin Neighborhood Association
10 AHIMSA PORTER SUMCHAI - Bayview-Hunters Point Health &
11 Environmental Resource Center (HERC)
12 KEITH TISDELL - Hunters Point resident
13 CLAIRE TROMBADORE - U.S. Environmental Protection Agency
14 (EPA
15 CAROLINE WASHINGTON - Southeast Community College Advisory
16 Board, Network for Elders
17 ---oOo---
18
19 OTHER ATTENDEES
20
21 ARVIND ACHARYA - Innovative Technical Solutions, Inc.
22 (I.T.S.I.)
23 SY ALLEN - Renaissance Ex-Offender, Citizen's Advisory
24 Committee (CAC), Community First Coalition (CFC)
25 LEAH ATWOOD - U.C.-Berkeley student

1 OTHER ATTENDEES [Cont.]:
2
3 ESTHER BLANCHARD - R.O.S.E.S.
4 ANDREW L. BOZEMAN - Southeast Sector Community
5 Development Corp., Heaven's Glade
6 HUONG BUI - U.C.-Berkeley
7 DEBORAH CARROLL - The Point
8 BERT COMBS - Bay Storage
9 MICHAEL CONNER - New World Technology
10 FRANCISCO DA COSTA - Environmental Justice Advocacy
11 DOUGLAS DAVENPORT - Tetra Tech EM Inc.
12 DARYL DeLONG - New World Environmental Inc.
13 CARA DIENER - U.C.-Berkeley student
14 ERIN DONLEY - U.C.-Berkeley student
15 DENISE GRAB - U.C.-Berkeley
16 BOB HOCKER - Lennar/Bayview-Hunters Point Team
17 CAROLYN HUNTER - Tetra Tech EM Inc.
18 ESPANOLA JACKSON - Muwekma Ohlone
19 JONI JORGENSEN-RISK - Innovative Technical Solutions,
20 Inc. (I.T.S.I.)
21 RONALD WM. KEICHLINE - Innovative Technical Solutions,
22 Inc. (I.T.S.I.)
23 TOM LACEY - Bay Storage
24 LAURA L. LOWMAN - United States Navy Radiological Affairs
25 Support Office (RASO)

1 OTHER ATTENDEES [Cont.]:
2
3 RICHARD LOWMAN - United States Navy Radiological Affairs
4 Support Office (RASO)
5 QUIJUAN MALOOF - Pendergrass & Associates
6 MARTIN OFFENHAUER - United States Navy
7 CHARLES H. PARDINI - Levine-Fricke for Lennar
8 LEE H. SAUNDERS - United States Navy
9 SUE STAKE - Bay Storage
10 MICHAEL STRAUSS - Communities for a Beter Environment
11 (CBE)
12 PETER STROGANOFF - United States Navy
13 GIACOMO URSINO - Dago Mary's
14 PETER WILSEY - San Francisco Department of Public Health
15 SAM WRIGHT - Department of Environment
16 ----oOo----

1 SAN FRANCISCO, CALIFORNIA, THURSDAY, APRIL 24, 2003
2 6:04 P.M.

3 ---oOo---

4 MS. PENDERGRASS: Welcome, everybody. If we
5 could just get everybody a moment to get to their seats.
6 All RAB members, please come forward to the table.

7 Welcome to the Thursday, April 24th,
8 Restoration Advisory Board meeting from the Hunters
9 Point Shipyard.

10 As always, we'll start with introductions. And
11 start with -- let's start with the RAB members and start
12 here, Mr. Tisdell.

13 MR. TISDELL: Keith Tisdell, RAB leader of
14 Membership & Bylaws.

15 MS. OLIVA: Georgia Oliva, artist Shipyard --
16 Shipyard artist and CBE member.

17 MS. TROMBADORE: Claire Trombadore,
18 Environmental Protection Agency.

19 MR. KEICHLINE: Ronald Keichline, I.T.S.I.,
20 community relations.

21 MS. JORGENSEN-RISK: Joni Jorgensen-Risk,
22 I.T.S.I. community relations.

23 MS. H. JACKSON: Helen Jackson from All
24 Hallows.

25 MS. SUMCHAI: Ahimsa Sumchai, Radiological

1 Subcommittee.

2 MS. MENACK: Julie Menack, Regional Water
3 Quality Control Board.

4 MR. MALOOF: Quijuan Maloof, Pendergrass &
5 Associates.

6 MS. LOIZOS: Lea Loizos, Arc Ecology.

7 MS. LUTTON: Kevyn Lutton, resident.

8 MS. BUSHNELL: Barbara Bushnell, RAB member,
9 ROSES.

10 MR. MANUEL: J. R. Manuel, JRM Associates.

11 MR. OFFENHAUER: Marty Offenhauer, Navy RPM.

12 MR. FORMAN: Keith Forman BRAC Environmental
13 Coordinator and Navy Co-chair.

14 MR. BROWN: Lynne Brown, resident, Co-chair.

15 MS. PENDERGRASS: Okay. And we are going to
16 introduce the audience as well. I'd just like you all
17 to be mindful that we do have a re- -- court reporter
18 here that's actually taking verbatim minutes. So those
19 of you who introduce yourselves from the audience, if
20 you could do so loudly and very clearly so we can
21 capture your name for the record.

22 Start right over here.

23 MS. BLANCHARD: Esther Blanchard, ROSES.

24 THE REPORTER: I'm sorry. What?

25 MS. BLANCHARD: Esther Blanchard, ROSES.

1 MR. ALLEN: Sy Allen, community advocate.

2 THE REPORTER: I can't hear that. I'm sorry.

3 MR. ALLEN: Sy Allen, community advocate.

4 MR. DA COSTA: Francisco Da Costa,
5 Environmental Justice Advocacy.

6 MS. E. JACKSON: Espanola Jackson,
7 Bayview-Hunters Point.

8 MR. BOZEMAN: Andrew Bozeman, Southeast Sector
9 Community Development.

10 MS. LANE: Jackie Lane, EPA, community
11 involvement.

12 MS. PENDERGRASS: Jackie Lane, EPA community.

13 MS. DIENER: Cara Diener, U.C.-Berkeley
14 student.

15 THE REPORTER: I'm sorry. Car-?

16 MS. PENDERGRASS: Karen [sic] Diener,
17 U.C.-Berkeley student.

18 MS. BUI: Huong Bui, U.C.-Berkeley.

19 THE REPORTER: I can't hear that.

20 MS. BUI: Huong Bui.

21 MS. PENDERGRASS: Hong? Spell the word,
22 please.

23 MS. BUI: H-u-o-n-g.

24 THE REPORTER: The last name, please.

25 MS. PENDERGRASS: Last name, please.

1 MS. BUI: B-u-i.

2 MS. PENDERGRASS: B-u-i.

3 MS. GRAB: Denise Grab, U.C.-Berkeley student.

4 MS. PENDERGRASS: Denise Grab.

5 MS. ATWOOD: Leah Atwood, U.C.-Berkeley
6 student.

7 MS. DONLEY: Erin Donley, also U.C.-Berkeley
8 student.

9 MS. PENDERGRASS: Okay. We have a class over
10 here. Okay. Welcome.

11 MR. SAUNDERS: Lee -- Lee Saunders,
12 Environmental Public Affairs Officer with US Navy.

13 MR. HOCKER: Bob Hocker, engineer with the
14 Lennar team.

15 MR. PARDINI: Chuck Pardini, Levine-Fricke,
16 former U.C.-Berkeley student.

17 MS. PENDERGRASS: Gentleman to my left.

18 MR. WRIGHT: Sam Wright, Department of
19 Environment.

20 MR. ACHARYA: Arvind Acharya, I.T.S.I.

21 MS. PENDERGRASS: Yes, standing with the paper
22 in the back. Sir? Can you introduce yourself?

23 MR. LACEY: Tom Lacey, Bay Storage.

24 MS. STAKE: Sue Stake, Bay Storage.

25 MS. PENDERGRASS: Sue?

1 MS. STAKE: Sue, yeah.

2 MR. COMBS: Bert Combs, Bay Storage.

3 THE REPORTER: I'm sorry. What?

4 MR. COMBS: Bert Combs, Bay Storage.

5 MS. PENDERGRASS: Burk -- Bert --

6 MR. COMBS: -- Combs.

7 MS. PENDERGRASS: Bert Combs, okay, Bay
8 Storage. Okay.

9 MS. BROWNELL: Amy Brownell, San Francisco
10 Health Department.

11 MS. PENDERGRASS: To my right over here.

12 MR. STRAUSS: Michael Strauss, Communities for
13 a Better Environment.

14 THE REPORTER: I'm sorry. I didn't get the
15 first name.

16 MS. PENDERGRASS: Michael Strauss.

17 And you're with?

18 MR. STRAUSS: Communities for a Better
19 Environment.

20 MS. PENDERGRASS: Communities for a Better
21 Environment.

22 Yes, sir.

23 MR. R. LOWMAN: Dick Lowman, US Navy RASO.

24 MS. PENDERGRASS: Thank you.

25 MS. L. LOWMAN: Laurie Lowman, US Navy RASO.

1 MR. DeLONG: Daryl DeLong, New World
2 Technology.

3 MR. CONNER: Michael Conner, New World
4 Technology.

5 MR. STROGANOFF: Peter Stroganoff from the Navy
6 ROICC office.

7 MS. HUNTER: Carolyn Hunter, Tetra Tech.

8 MS. PENDERGRASS: Okay. We've had a couple of
9 additions to the RAB board.
10 Start here.

11 MR. MORRISON: James Morrison, citizen.

12 MS. PENDERGRASS: Okay.

13 MR. PALEGA: Sululagi Palega.

14 MS. PENDERGRASS: Anybody else who didn't
15 introduce themselves earlier?

16 MR. MANUEL: Yeah, her. Marie?

17 MS. LUTTON: It's your turn.

18 MR. MASON: Jesse Mason, RAB.

19 MS. PENDERGRASS: Lea, did you introduce
20 yourself?

21 MS. LOIZOS: Me?

22 MS. PENDERGRASS: Yes.

23 MS. LOIZOS: Yeah.

24 MS. PENDERGRASS: Okay. Great.

25 MR. MANUEL: These two didn't.

1 MS. PENDERGRASS: I'm sorry.

2 MS. FRANKLIN: Hi. My name is Marie

3 J. Franklin, and I'm with Shoreview Environmental

4 Justice Incorporated --

5 MS. PENDERGRASS: Okay.

6 MS. FRANKLIN: -- RAB member.

7 MS. PENDERGRASS: All right.

8 MS. WASHINGTON: Caroline Washington.

9 MS. PENDERGRASS: All right. Very good. Thank

10 you very much.

11 All rightie. I'm glad to be back.

12 The -- Let's approve the agenda. Has

13 everybody had a chance to review the agenda from the

14 March 27th RAB meeting?

15 Are there any --? Any discussion about that

16 agenda before we move to accept it?

17 MR. BROWN: Motion to accept.

18 MS. PENDERGRASS: Okay. All in favor of

19 accepting the minutes as printed and articulated here?

20 THE BOARD: Aye.

21 MS. PENDERGRASS: Second for that motion?

22 MS. BUSHNELL: I'll second.

23 MS. PENDERGRASS: Okay. Okay. All in favor?

24 THE BOARD: Aye.

25 MS. PENDERGRASS: Those opposed?

1 Anybody abstained?

2 Okay. We've got minutes.

3 Let's just make sure that our action items are
4 taken care of from last meeting. And those were
5 "Carry-Over Items: "None"? I can't believe it. Okay.

6 MR. TISDELL: We take care of business when you
7 are not here.

8 MS. PENDERGRASS: I guess. I'll go away more
9 often.

10 Okay. "Include a line-item for 'membership
11 selection process' discussion on the April RAB . . .
12 agenda." Okay. Is that on here?

13 Okay. Very fine. So that's taken care of and
14 that's off.

15 All right. We can move forward with
16 announcements from the Navy first.

17 MR. FORMAN: Okay. Couple of items that I
18 think will be of interest to you: There's two documents
19 in particular that are going to come out. The first one
20 is coming out in June, and that's going to be the draft
21 new Community Relations Plan that we have been working
22 on and that Caroline [sic] Hunter in particular has been
23 working very hard on.

24 And I'll be working with Lynne Brown, and we
25 will be having Community Relations Plan Subcommittee

1 meetings in June, and what I'd like to do is give you
2 all a copy of that to read but also to go through it
3 with you section by section in a subcommittee meeting
4 and so that we can take this document that's going to be
5 a road map for us very seriously, and that will start in
6 June.

7 In July there's going to be a document that
8 comes out that I hope to have some meetings on. There's
9 going to be a public meeting on it, and then I hope to
10 bring it up before the subcommittee meetings and have a
11 general RAB presentation on it. And it's the five-year
12 review of our Parcel B Record of Decision.

13 That document will be of interest to you if
14 you -- If you've been on the RAB very long, you know
15 that Parcel B is fairly far along. And it has been,
16 believe it or not, five years since we have had a Record
17 of Decision. The Navy's required to report on the
18 progress we have made and what the status is, and that
19 will be coming up in July.

20 Lastly, from US EPA Jackie Lane -- I'm sorry.

21 MS. LANE: Sorry. Keith just wanted me to give
22 you an update on the Technical Assistance Grant.

23 I received two appli- -- applications, and I've
24 been working with both applicants to make their
25 applications a better product so that we can go ahead

1 and evaluate it. I've given them comments and met with
2 them individually, and then they gave me a revised
3 application, and I gave them more comments.

4 So now they are in the process of revising
5 their application, and I hope to have an applicant ready
6 to go hopefully in July. So that's where it stands
7 right now.

8 MR. FORMAN: Great. Thank you.

9 One last item I just -- I just want to repeat.
10 I know we have said this before, but so it's clear with
11 everybody, on the subcommittee meetings, if you want the
12 Navy present; if you want me, the project manager; if
13 you want anybody from the Navy present, let us know and
14 invite us.

15 Couple of different ways to do that. Most
16 people do it actually at -- here at the RAB during the
17 break where they just say so when they put down their
18 date. But if you want us there, invite us.

19 If there's a subcommittee meeting and you don't
20 invite us or nothing is said, then I need to assume that
21 maybe for a good reason you don't want the Navy there.
22 You want to talk about things and review things without
23 our presence.

24 But just let me know ahead of time so that I
25 know the meetings that you want us there for, and then

1 we'll follow through.

2 Also, if you don't necessarily want me there or
3 Dave DeMars or the project manager, some meetings you
4 just want Ron Keichline to support you, he will do that.
5 Just let us know by contacting either myself, Dave, or
6 Ron himself; and then he'll be there to support your
7 subcommittee meeting for any administrative duties that
8 you might want him to help you with. We do offer that
9 at each meeting, but you need to let us know as soon as
10 you can when you need us.

11 MR. BROWN: Okay. Well, I have just one
12 question. Last month over \$31 million was spent on
13 radiological remediation and also radiological survey.

14 I'd like to ask Ron -- I mean Daryl DeLong, not
15 tonight, to give me that information: Where was this
16 remediation done at? Daryl DeLong at New World
17 Technology and Foster Wheeler. That's all.

18 MS. PENDERGRASS: So are you making a formal
19 request for a presentation, or is it just information to
20 you?

21 MR. FORMAN: You want detail?

22 MR. BROWN: Right.

23 MR. FORMAN: He just wa- -- He wants a
24 detailed information --

25 MR. BROWN: Right.

1 MR. FORMAN: -- not a presentation.

2 MS. PENDERGRASS: So this is --?

3 MR. BROWN: Right.

4 MS. PENDERGRASS: Is this something that needs
5 to be put as an action item for follow-up?

6 MR. BROWN: Yes.

7 MS. PENDERGRASS: Okay. So that will be listed
8 as an action item to provide the Community Co-chair with
9 detailed information about --

10 MR. BROWN: -- the re- -- remediation
11 removal -- no -- the radiological remediation and also
12 the radiological survey. Where was this taken place at?

13 MS. PENDERGRASS: For --? Okay.

14 Okay. All right. Mr. Forman, are you
15 finished?

16 Mr. Brown, are you ready? That was all?

17 MR. BROWN: Yes.

18 MS. PENDERGRASS: That's all you have --

19 MR. BROWN: Yes.

20 MS. PENDERGRASS: -- for your announcements?

21 Okay. Well, the agenda was for announcement.
22 You have any other ones?

23 MR. BROWN: No, I don't. Thank you.

24 MS. BUSHNELL: Just one thing. Sorry.

25 MS. PENDERGRASS: Yes, ma'am.

1 MS. BUSHNELL: I just as a RAB member,
2 Mr. Dacus could not come tonight, and I will be his
3 alternate.

4 MS. PENDERGRASS: Mr. --

5 MS. BUSHNELL: -- Charles Dacus.

6 MR. ATTENDEE: Charles Dacus.

7 MS. PENDERGRASS: So -- But how can you be an
8 alternate -- an alternate or --?

9 MS. BUSHNELL: It's just that I will be
10 reporting to him . . .

11 MS. PENDERGRASS: Well, I'm just trying to make
12 sure we have a point of clarification in terms of the
13 bylaws and membership presence. So . . .

14 MR. TISDELL: You can do that.

15 MS. PENDERGRASS: You can do that?

16 MR. TISDELL: Yeah.

17 MS. PENDERGRASS: Fine. Make sure we got that.
18 Great. Perfect.

19 MS. BUSHNELL: Thank you.

20 MS. PENDERGRASS: Perfect.

21 All right. I guess at this point, we're going
22 to have a radiological program update, and at that point
23 we'll take a -- take a break and have our subcommittee
24 reports. So are we ready to do that?

25 MR. FORMAN: Yes.

1 Here to introduce -- again, there's been a lot
2 going on on Hunters Point on the radiological program.
3 That's what Lynne Brown was alluding to, that there's
4 been lot of efforts on -- on basically two different
5 fronts.

6 The first front -- well, you're probably
7 familiar with -- a little bit with both of them if
8 you're a RAB member or a regular attender.

9 The first thing that Laurie Lowman from the
10 Radiological Affairs Support Office is going to talk
11 about is this Historical Radiological Assessment, known
12 as the HRA.

13 You know we put out a draft. Since we last
14 met, we put out responses to the comments on the draft.
15 And Laurie and her team had been working on a lot of
16 research to make the draft final HRA a much-improved
17 product.

18 If you remember, she -- she's committed to
19 doing that, to making it accurate and making it
20 comprehensive. She is going to tell you some of the
21 things that she's finding and some of the directions her
22 research has gone in. Now, that's the first part of her
23 presentation.

24 The second part is a detailed listing for you
25 of what Daryl DeLong from New World Technology -- he's

1 the contractor who goes out in the field and does
2 surveys and then does radiological actions, like
3 cleanup.

4 We're going to tell you everything across the
5 base that they are doing in that program. And you'll
6 see that it's a pretty comprehensive program, involves a
7 lot of different places on the base. That's going to be
8 the second part of her presentation.

9 What that means is: Our presentation --
10 Laurie's, anyway -- is going to be a little longer than
11 we scheduled in the agenda, and I have coordinated that
12 with Claire Trombadore and U.S. EPA, and that will mean
13 that her presentation takes up quite a bit of time. And
14 Claire's announcement and presentation of the scanner
15 van report will be a much smaller component of that
16 tonight.

17 And if that's okay with everybody, then we'll
18 proceed along and let Laurie start telling us about
19 what's going on with the radiological program update at
20 Hunters Point.

21 Laurie?

22 MS. L. LOWMAN: Stand over there so that I can
23 be close to the screen, and now I'm over here so that
24 I'm close to the microphone. So kind of moving around
25 here.

1 And the first part I don't need any help with
2 buildings. But Marty, can you help me when I do the
3 update and show them where the bases are on the maps?
4 And I'm sorry for kind of talking in front of you.

5 MR. OFFENHAUER: [Unintelligible query.]

6 MS. LOWMAN: Not right this second. No.

7 Yes. Is that better? Can everybody hear?

8 Okay. Okay.

9 I'm Laurie Lowman, director of Navy's Low Level
10 Radioactive Waste Program. We are the ones in charge of
11 doing all the cleanups with all the Navy sites, and this
12 is the Hunters Point Shipyard HRA update.

13 I will be here this month. Next month I won't
14 be here. There was -- be someone else from RASO, which
15 is the Radiological Affairs Support Office. I'm going
16 to be kind of crunch time for the HRA working with my
17 team back in Virginia. So someone else -- I'm not sure
18 who it is yet -- will be coming out here to do the
19 update for me.

20 Go ahead.

21 Let's start with the archive reviews. All of
22 our archi- -- archive reviews are complete. Material
23 received: We have received all the material from every
24 archive location except for Lawrence Livermore National
25 Labs. We could not make those copies ourselves. They

1 have to make them for us and forward them to us. So
2 we're kind of at their mercy. Hopefully, we will -- we
3 will be getting those soon.

4 There is -- Some records we are having a hard
5 time seeing. They have been checked out by Department
6 of Energy and the Defense Threat Reduction Agency. It
7 has to do with studies on the atomic weapons, in
8 particular OPERATION CROSSROADS. We're working on
9 getting those records and getting to see those.

10 There's classified records at NARA-College
11 Park, College Park, Maryland. NARA is National Archives
12 & Records Administration. Those mainly have to do with
13 OPERATION CROSSROADS. We're asking for those to be
14 declassified. Some of those we can have declassified.
15 Some of them we can't.

16 Unfortunately, NARA-College Park has not
17 entered the computer age, and all of their inventories
18 are still handwritten. So we're kind of having a -- I
19 know, it's amazing. We're kind of having a hard time
20 getting all that coordinated. But hopefully, we will
21 have that before the HRA comes out.

22 Problems we have encountered are records
23 obviously checked out by the DOE or DTRA. And at Navy
24 commands that receive NRDL reports and NRDL records,
25 because NRDL closed 1969, they have passed the retention

1 time frame, and they have gone ahead and destroyed those
2 records. So a lot of them are just missing. But we're
3 doing the best we can to try to fill in those gaps.

4 What we are doing with the records is entering
5 them into a database that was established at RASO. I
6 had an update this morning. We actually have -- We
7 don't have 1,850. We now have 2100 documents that have
8 been obtained and scanned into PDF files. They have
9 been -- They are being reviewed.

10 And to date, as of today, we have done almost
11 1600 of the 2100 records. And by that I mean, when we
12 first get them, we scan them into the computer. We go
13 through and enter in the preliminary data. And I have a
14 team of reviewers that do an in-depth review and add all
15 the notes that we would need to do the HRA itself.

16 And so 1600 of those have had a detailed review
17 done with them. These documents are anywhere from 1
18 page to 300 pages. So some of them are very, very long
19 and take a long time to review.

20 Additional records, we have approximately --
21 well, I think we have received most of those first 350
22 this week. We have 750 electronic maps of Hunters Point
23 showing building diagrams to overall maps of the entire
24 site, diagrams of the dry docks, all types of maps. And
25 then there's 300 documents from College Park that are

1 still being entered. We will have about 30 --
2 3,250 documents when we're through.

3 All the RASO historical documents, we had our
4 own archive there plus the records from Dr. C. Sharp
5 Cook. We have screened all those, and 90 percent of
6 those have been entered into the database. We are doing
7 really well with those.

8 Interview status. This is something
9 everybody's really interested in. We had 206 responses
10 to the advertisement. A hundred and sixty-one of those
11 were qualified for telephone screening.

12 And the ones that did not qualify are the ones
13 that wanted a job, or they wanted to be a court reporter
14 and record the interviews, or they wanted -- there
15 were -- there were all types of things that people
16 called in and provided information on that had nothing
17 to do with radiological operations at Hunters Point.

18 We have contacted 144 of those 161 tele- --
19 people selected for telephone screening. We faxed one
20 person, and we have not heard back from them. Three of
21 the phone numbers were incorrect. Totally have no
22 way -- other way of getting in touch with them. And
23 13 people received e-mails or voice mails, and they have
24 not responded yet.

25 We have identified to date 19 additional

1 people, and that's in addition to the 206 through the
2 screening process. In other words, you call somebody to
3 do the telephone screening, and they say, "Hey, I know
4 so-and-so. They used to work there too," or "they
5 worked for NRDL"; and they are giving us addresses and
6 phone numbers.

7 Last month we asked -- I was asked to provide
8 some information on the types of jobs and to do a map
9 with the location of the respondents to the
10 advertisement; and I got percentages, but I don't have
11 it on a map yet.

12 Sixty percent of the respondents were Shipyard
13 employees. And that can be either the trades,
14 electricians, riggers, welders, a number of the
15 apprentice programs that were done during World War II

16 or right after World War II by Hunters Point Shipyard;
17 and then there's folks from Triple A, and then there
18 were radiological control technicians from Mare Island
19 Naval Shipyard.

20 Fifteen percent worked for the Navy
21 Radiological Defense Laboratory in some capacity,
22 everything from an animal keeper to the -- one of the
23 top directors, biologists, chemists, all different types
24 of personnel.

25 Twelve percent were active duty. All were Navy

1 except for one Air Force captain.

2 And 8 percent are family members. They're
3 concerned. They have a husband or a father or a
4 brother, sister, someone who worked for NRDL or the
5 Shipyard; and most of these their family member has
6 died, and they are concerned that whether or not that
7 was because of radiological operations they may have
8 been involved in.

9 And 5 percent of the respondents were in an
10 administrative capacity. They might have been a
11 secretary, a librarian, public relations, something like
12 that.

13 By area 40 percent were in the San Francisco
14 area, 25 percent in the Sacramento area. We have
15 15 percent of the respondents who don't want to give us
16 an address. So I can't do anything about that. They
17 just give a telephone number. They don't want me to
18 know where they live. That narrows down the
19 face-to-face interview possibilities.

20 Ten percent from other California locations:
21 Fresno, Bakersfield, Long Beach, San Diego. Most of
22 them in the south. One's from Mount Shasta, a little
23 farther north.

24 Ten percent outside of California: Two outside
25 of the continental United States, one in Hawaii and one

1 British Columbia; and then, of course, Idaho, Oregon,
2 Georgia, North Carolina, Virginia -- we've got multiples
3 in Virginia. We are doing face-to-face interviews with
4 two of those this weekend -- Maryland, New Mexico --
5 Mr. Olson responded. I know a number of you have asked
6 me about him -- Arkansas and Nevada.

7 Problems with the interviews is: It's taking
8 us multiple attempts to reach people. You leave four or
9 five voice mails before you get a call back. Multiple
10 e-mails. It is very time consuming.

11 And then many of them are older. So when we do
12 get in touch with them, we end up talking through a

13 spouse or a daughter or son to actually get the
14 information from the former employee.

15 Go ahead.

16 Face-to-face interviews: We have selected
17 26 people to do face-to-face interviews with, people
18 that we thought really had significant information about
19 the Shipyard, perhaps had documentation of operations at
20 the Shipyard and really had a good memory of what went
21 on there.

22 We got together. There was myself and my
23 husband, Dick Lowman, and another member of the team
24 that had done the screenings. We all got together and
25 reviewed all the screening information, and we chose the

1 26 respondents. They represent all types of employees,
2 from Shipyard workers to NRDL scientists to the public
3 relations end of it.

4 And Dick started those face-to-face interviews
5 this week on the 22nd of April. And that effort will
6 continue through mid May, because some of the people are
7 on vacation, different things. It's going to take us
8 that long to get in touch with all of them.

9 We are doing some of the folks that are out of
10 California. Mr. Olson is one scheduled for a
11 face-to-face interview. So there will be a lot of
12 traveling to get everybody in.

13 HRA timeline: We are continuing to meet all
14 our goals, which is a really good thing. We had one
15 kind of setback at the end of March, but we have
16 recovered.

17 Our goals for April are to complete an in-depth
18 record reviews in which we're very much on target with
19 that. Enter document summaries, on target with that;
20 and sort documents into subject areas and time periods
21 using the database from which we will identify the
22 reference documents for the HRA.

23 May our team drafts the HRA, and we incorporate
24 all the responses to comments in the draft HRA, the
25 response to comments from the previous draft for the

1 final draft.

2 June is an internal Navy review time. So all
3 the Navy uppity ups can look at it and say I spelled
4 this wrong or put too many spaces in somewhere, or they
5 don't like what I wrote.

6 And -- and then in July I get to incorporate
7 all those comments, make any necessary changement --
8 changes.

9 And August is our distribution for public
10 comment, regulatory and public comment in August.

11 We have some -- Every month I try to bring
12 some significant new information that we have discovered
13 as a result of doing the research for the HRA. This
14 month we are going to talk about OPERATION CROSSROADS.

15 We knew OPERATION CROSSROADS had been a
16 significant test out at Bikini Atoll in 1946. But we
17 did not realize the impact it had on Hunters Point and
18 still -- until we started doing all the research. It
19 was the test of two atomic weapons.

20 And the -- and the first shot was Shot Able.
21 It was an air burst over the water, but it was still up
22 in the air.

23 Shot Baker was the second one, and that was
24 suspended about 60 feet below water from a ship, and it
25 was totally a surprise to the Navy. It was definitely a

1 lot more strength to that weapon than they ever
2 anticipated.

3 They were the fourth and fifth atomic weapons
4 ever detonated. The first was Trinity. That is the
5 first test done before the bombs at Hiroshima and
6 Nagasaki, and then Shot Able -- the Shot Able and Shot
7 Baker were the fourth and fifth after that.

8 Navy was a major participant. And matter of
9 fact, they had -- joint task force pretty much ran the
10 entire show.

11 Next slide.

12 A hundred and eighty Navy vessels participated
13 as target and support ships in the operation. Shot
14 Baker resulted -- because of the underwater burst, it
15 resulted in all ships receiving some degree of
16 contamination. The target ships received it from the
17 actual shot. A lot of the support ships received it
18 when they went into Bikini Lagoon to check on the target
19 ships and check on the levels of contamination.

20 There is only one ship that I have found that
21 did not require decontamination, and that was because
22 that one was a support ship and it did not go into
23 Bikini Lagoon.

24 This was an unanticipated problem for Navy.
25 This was a brand-new science, a brand-new weapon. They

1 had no idea what it was going to do, and they were very
2 surprised. Some records indicate the weapon had a --
3 was ten times the yield they anticipated. So when you
4 see the films of it, it is totally amazing.

5 The initial decontamination efforts on the
6 ships were conducted at Bikini Atoll from where their
7 detonation was; and then as they got them to some
8 levels, they moved the ships to Kwajalein and did
9 further decontamination there.

10 But Navy had a problem. This was right after
11 World War II and right before the Korean conflict. They
12 very much needed to have every available ship
13 operational and back out on the water and ready for --
14 in case of war. So they returned the ships to home, and
15 they made every effort to ensure that the ships became
16 operational.

17 Hunters Point was chosen as the main return
18 point because of its -- the level of expertise that was
19 available around here. Not only was Joint Task Force
20 One stationed here and headquartered here, but they had
21 the University of California expertise that had worked
22 with the Manhattan Project on the development of the --
23 of the atomic bombs. So that's -- that was why.

24 They also had the dry docks, the piers. They
25 had the facilities to support every type of ship that

1 was over there.

2 Go ahead.

3 The ships returned to San Francisco Naval
4 Shipyard, as it was called then -- it wasn't called
5 Hunters Point Shipyard -- via Pearl Harbor Naval
6 Shipyard. That's where they went first. There was very
7 little decontamination done at Pearl Harbor, but they
8 didn't -- they kind of staged them and had them go there
9 first before they brought them into Hunters Point.

10 There was 61 support ships and 18 target ships
11 that came to Hunters Point. There were a number of
12 ships that were sunk out at Bikini or out at Kwajalein
13 because they could not decontaminate them.

14 The support ships were far less contaminated,
15 and that was obviously because they were not in the
16 detonation zone. They were outside of it. And their
17 contamination resulted when they went in to check on the
18 actual target ships.

19 The 18 target ships were more heavily
20 contaminated, and they were the last ones to be
21 transported. The 61 support ships came in first because
22 they could clean them, and they could make them
23 operational and get them back fully manned and ready to
24 go.

25 Eighteen target ships returned to Hunters

1 Point. Twelve came in under their own power, and six
2 were towed. The six that were towed were the
3 Independence, the Gasconade, the Crittenden, the Hughes,
4 the Skate and the Skip Jack.

5 And there's a big significance between those
6 that came in under their own power and those that were
7 towed. The towed target ships were more heavily
8 contaminated than the actual ones that came in under
9 their own power because as they came in from under their
10 own power, their systems, their ventilation systems,
11 everything was operating and allowed them to kind of be
12 semi cleaned in the process.

13 When -- okay. When they are towing a ship in,
14 then none of the systems were running. It was towed in
15 by -- most of them by an ocean-going tug, and it -- and
16 it -- therefore, none of their systems were operational.

17 The Hughes came in. It was a destroyer. It
18 was monitored here at Hunters Point and then sent to
19 Puget Sound Naval Shipyard for decontamination.

20 The Skate and the Skip Jack were two
21 submarines. They came in here at Hunters Point. They
22 did experiments on the fission products that were on the
23 two submarines for some time before they were sent to
24 Mare Island for decontamination.

25 Okay. The Independence, everybody's heard of

1 the Independence. She was -- she was very heavily
2 damaged, an aircraft carrier. They kept her at Hunters
3 Point for quite a while. They did experiments on her.
4 They did very little decontamination of her because she
5 was so heavily damaged. Eventually she was filled with
6 waste, radioactive waste, and she was sunk at sea.

7 The Gasconade and the Crittenden were two
8 attack transport ships. They were two attack transport
9 ships that came in. They also had various experiments
10 done on them. They did do attempts at decontamination.
11 They were not successful. And eventually they were sunk
12 at sea.

13 These three ships were the unique ones to
14 Hunters Point, the Independence, Gasconade, and
15 Crittenden, because they did not come here. They -- and
16 leave. They were -- They came here. They were
17 monitored. They did experiments on them, and then they
18 did -- any decontamination efforts that they did make
19 they tried to do here.

20 They had unique problems that they had never
21 seen before on any other ships. And part of the reason
22 the rad lab was established was to determine -- at the
23 Shipyard, at any rate, was to determine how to handle
24 contamination on vessels as a result of an atomic
25 weapon. That was because there were other countries

1 that had atomic weapons, and they were trying to protect
2 our forces when they were at sea as well.

3 After the Baker Shot, things were never done
4 the same way. When they did the Baker Shot, they put
5 the ship out there. They were completely open. They
6 did not close them up. Baker Shot, there was a huge
7 burst of water that came up when the weapon detonated;
8 and in addition to that, there were 100-foot waves that
9 were generated by them -- by the detonation of the
10 weapons.

11 So there were about 13 of those waves that
12 washed over the target ships. So it definitely was
13 something they had never seen before and probably
14 haven't seen since.

15 They took special precautions for the shipyard
16 workers. They were very, very careful about how they
17 allowed them on the ships. They set up special
18 decontamination quarters for the shipyard workers who
19 would come in to the clean side of the building, don
20 their clothes to go down and work on the ships, come
21 back.

22 They had to fully shower. They had to do
23 everything before they could smoke or eat or leave the
24 base or do anything. Very special precautions were
25 taken.

1 Towed target problems: There were extensive
2 contamination throughout the ship. Many components were
3 moved from the ships, required disposal of, as
4 radioactive waste or extensive decontamination before
5 reuse.

6 There were items that were taken from the ships
7 and were used. For instance, the power plants on the
8 Independence were taken off and actually sent to Point
9 Mugu, California. There's a naval air station down
10 there that was doing missile shots. They were actually
11 firing missiles, and they used the power plants to
12 support that function. So there were items taken off of
13 these towed targets, and they were reused.

14 Contamination presented a problem on the
15 target -- the towed targets that were not the same as
16 the other target ships and the other support ships, and
17 so they had to be treated very differently.

18 They did special experiments to investigate the
19 treatment and disposal options because they weren't sure
20 what to do with this.

21 When they first did the decon at Bikini even,
22 they were using coffee grounds. They were using corn.
23 They were using rice. They were using acid. They were
24 using anything 'cause they had no idea how to decon
25 them. And the metals, they were a whole lot better.

1 But we got to remember, some of these had wooden decks,
2 and they just couldn't get them deconned. So there were
3 problems that nobody ever anticipated having.

4 Go ahead.

5 Our current investigations that we are doing
6 now, to ki- -- to kind of get more information on the
7 CROSSROADS ships, we have requested additional records
8 from DOE and DTRA, Defense Threat Reduction Agency; and
9 we have requested declassification of some of the
10 records on CROSSROADS so we can put more information on
11 these ships in the HRA.

12 And in addition, the investigations we're doing
13 on the base itself in the Phase 5 investigations being
14 done by New World, we are adding some additional areas
15 as a result of knowing where the CROSSROADS ships came
16 in, where they were experimented on, and where
17 decontamination efforts were conducted.

18 And in addition, the investigations we're doing
19 right now include the isotopes that would have resulted
20 from the detonation, including the fission products. So
21 as we are looking and doing these investigations right
22 now, the -- we're already looking for the isotopes we
23 would look for as a result of having the ships here.

24 Questions?

25 MS. OLIVA: Okay. Laurie, thank you for being

1 so honest about all of this. But I have two questions.

2 The experiments that were done while the ships
3 were here, could you tell me, was any sandblasting
4 included in that?

5 MS. L. LOWMAN: Sandblasting was a
6 decontamination effort done on any ship that required
7 decontamination, whether it was a towed target or not.

8 The sandblasting was done mainly on the hulls
9 of the ship. There was a tremendous uptake of the
10 radioactive materials into the barnacles and the sea
11 growth on the hulls of the ship. So they would put them
12 in dry docks and sandblast them to try to get that off.

13 Most of the time they contained the sandblast,
14 but not always. That is something we are investigating.
15 We are trying to find out where the sandblast grit did
16 go.

17 MS. OLIVA: All right. And the dry docks that
18 were used . . . ?

19 MS. L. LOWMAN: The dry docks that were used,
20 we have surveyed those. We have been taking sediment
21 samples from the bottom of those and looking for some
22 isotopes we would look for.

23 MS. OLIVA: Which ones are they?

24 MS. L. LOWMAN: The dry docks? They were Dry
25 Dock 6, Dry Dock 3, and Dry Dock 4.

1 MS. OLIVA: Okay. The next question I have is:
2 Where is "sunk in the ocean," sunk in the ocean for
3 that?

4 MS. L. LOWMAN: Where the Independence . . . ?

5 MS. OLIVA: Yeah. Where is that?

6 MS. L. LOWMAN: That is at Farallones.

7 MS. OLIVA: Thank you.

8 MS. L. LOWMAN: Mm-hmm.

9 Okay.

10 MS. ASHER: Hi. Could you please tell us what
11 the additional areas are that you're going to be
12 investigating and what the names are of the isotopes
13 that you are looking for.

14 MS. L. LOWMAN: Okay. Some of the additional
15 areas we are looking at are the submarine piers that are
16 in Parcel B. There's other piers down towards Dry
17 Dock 4 and the Gun Mole pier. There's a building near
18 the Gun Mole pier. There's various areas that we are
19 still collecting all the information and trying to make
20 a list of all the buildings that were affected. There's
21 some of them.

22 The weapon -- Baker Shot was a plut- -- Both
23 shots were plutonium weapons. Therefore, we have
24 unspent plutonium that would be a residual on the ships,
25 and we also have fission products. Of the fission

1 products today, you would be looking for cesium-137 and
2 strontium-90.

3 MS. ASHER: Thank you.

4 MS. OLIVA: How about U-238?

5 MS. L. LOWMAN: They didn't use uranium in the
6 weapons.

7 MR. MASON: One question was already asked --
8 answered about where the ship was sunk.

9 But another question I want to ask you about,
10 you know, some of the people that you talked to, I can
11 remember as a kid growing up that there were families
12 living in the Shipyard in the hoops down there.

13 Did you talk to anyone, other than Tom Olson,
14 that lived in the Shipyard?

15 MS. L. LOWMAN: We have not had anyone respond
16 to the advertisement that lived in the Shipyard. We are
17 trying to get a hold of anybody that responds, and we
18 are trying to get a hold of any additional names we get
19 from respondents. But if I don't have the people
20 responding, that makes a problem for us to contact them.

21 If anyone knows of a family or someone who's
22 still alive, we -- you know, pretty soon I'm going to
23 have to conclude these interviews to draft the HRA. But
24 the 1-800 number is still working. It's 1-800 --

25 Daryl, please help me. No, that's not it.

1 MR. R. LOWMAN: It's not in my head.

2 MS. L. LOWMAN: It's really --

3 MR. R. LOWMAN: 1-800-433- -- I'll get it for
4 you after the break.

5 MS. L. LOWMAN: Okay. Thank you.

6 Yeah, 'cause I don't -- I don't have the exact
7 number.

8 MR. MASON: The majority of people that lived
9 in the Shipyard were either, you know, servicemen and
10 their families.

11 MS. L. LOWMAN: Right. The service people we
12 have talked -- I have talked with so far did not live in
13 the Shipyard.

14 MS. OLIVA: Do you have records of those
15 servicemen?

16 MS. PENDERGRASS: We have a question over here,
17 please. Thank you.

18 We will come back to you, though.

19 MS. LUTTON: Hi.

20 MS. L. LOWMAN: Hi.

21 MS. LUTTON: I wanted to ask about the six
22 ships that were towed because of this unexpectedly large
23 shot. There must have been sailors or something on
24 there.

25 MS. L. LOWMAN: Not on the towed ships.

1 MS. LUTTON: But when it -- when they were hit,
2 were they just abandoned? They abandoned the six ships
3 and then blew them up?

4 MS. L. LOWMAN: What they did, none -- There
5 were no people on the target ships. They did not --
6 When the ta- -- When the ships -- when the ships were
7 targets, when they were out at the detonation area, the
8 test area, and the ships were targets, they evacuated
9 the crews before they did the detonation and put them on
10 another ship.

11 Then, depending on the radiation levels that
12 were on the ship, after the detonation, some of the
13 ships got boarded again.

14 The towed targets could not be boarded and were
15 not enough -- operational enough in -- to be -- come
16 back under their own power and had to be towed.

17 MS. LUTTON: But they were still --?

18 MS. L. LOWMAN: Mm-hmm, they were floating.
19 Amazing thing is, some even sunk at the test, and they
20 managed to get them back up, and they came back in under
21 their own power. So I -- I'm not entirely sure what
22 kind of miracles the Navy did out there, but they did
23 some.

24 MS. PENDERGRASS: Mr. Tisdell and then --

25 MR. MANUEL: I got my hand up here a long time.

1 MS. PENDERGRASS: I'm sorry.

2 MR. TISDELL: Okay. I have two questions.

3 One, if a ship is out in the ocean and nobody aboard it
4 and you going to tow it, you have to board it to tow it.
5 That's one.

6 And the other is: Melita Rines asked about
7 Building D-23, and you said that -- that because of the
8 handouts only reflected the buildings that were used by
9 NRDL, what was those other warehouses up there used for?

10 MS. L. LOWMAN: Okay. To my knowledge, all the
11 records that I have read so far about the ships that
12 came back from --

13 MR. TISDELL: We talking --? Okay, okay.

14 MS. L. LOWMAN: -- CROSSROADS. Let me do your
15 first part first, okay. There were no people on the
16 towed targets. There were people on the ships doing the
17 towing, and they were on a very short tow. But I have
18 not had any records personnel on those targets. I could
19 be wrong, and I'm not through doing research, but I'm
20 telling you what I found so far.

21 As far as Buildings D-19, 20, and 21 were used
22 for approximately a year by NRDL. D-22 was used by the
23 Shipyard supply department, and D-23 was used by the
24 Public Works center supply department as a storehouse.
25 So they were used by Shipyard offices. Had nothing to

1 do with NRDL.

2 MR. TISDELL: But the storage area.

3 MS. L. LOWMAN: I would assume for the Shipyard
4 supply department, it was whatever supplies they needed
5 to store there for Shipyard operations.

6 Public Works centers are responsible for
7 maintenance of buildings and maintenance of properties.
8 So I would think there were supplies like that, but I
9 don't have exact numbers of what was in the building.

10 MS. PENDERGRASS: Miss Oliva, you were next;
11 but since you asked a question, can we have one from
12 someone else?

13 MR. MANUEL: A coup- -- Yeah, a couple of
14 things. Number one, you don't have to board a ship to
15 tow it. Well, you know, we own -- a couple of the ships
16 that would have been used to tow the vessel to ATS we
17 own. So you don't have to get on to tow them. You
18 use -- You anchor them. You use a buoy to keep the
19 lines up afloat. You don't have to get on them, number
20 one.

21 Number two, in terms of the -- I wanted to know
22 about the 12 other ships that weren't mentioned, and
23 have you run across anything regarding the Moctobi and
24 Quapaw?

25 One more thing. You can get all the

1 information from the NAFT. There's an association of
2 retired naval personnel and their families and everybody
3 else, and they go back three, four generations with
4 records and whatever of what their grandfathers or
5 fathers or whoever did. Just in N.-- NAFTS.com, and --

6 MS. L. LOWMAN: NFTS?

7 MR. MANUEL: NAFTS.com. Put an inquiry in
8 there that let them know that you want to chronicle the
9 record. They -- they actually do that on the Web site.

10 MS. L. LOWMAN: Great.

11 MR. MANUEL: So if you inquire, you'll probably
12 being overwhelmed, because there's a lot of people on
13 there that remember when. So . . .

14 MS. PENDERGRASS: N as in Nellie, A as in
15 apple, S as in Sam?

16 MR. MANUEL: N-A-F- --

17 MS. PENDERGRASS: S as in Sam?

18 MR. MANUEL: -- Frank, -T-S dot com.

19 MS. PENDERGRASS: Okay. T as in Tom, F as
20 in --

21 MR. MANUEL: Yeah.

22 MS. PENDERGRASS: -- Frank.

23 MR. MANUEL: Yeah. But the --

24 MS. L. LOWMAN: He's writing that down for me.

25 MR. MANUEL: Okay. Well, if you have any

1 problems, just let us know.

2 MS. L. LOWMAN: Okay.

3 MR. MANUEL: We are involved in a lot of
4 naval -- the ex-Navy people for our own vessels.

5 But I would like to know about the 12 and if
6 any of the tow vessels, the ATS or the -- the auxiliary
7 tug fleets that were towed, were any of those
8 contaminated and what the 12 other vessels were.

9 MS. L. LOWMAN: Okay. I have the ti- -- the
10 names of the 12 other vessels, but I don't have them up
11 on the slides. But I have a listing with me.

12 As far as the vessels that were the tow ships,
13 there were various ones that towed them in. They were
14 probably in the same level as a support ship, because
15 that's what they were. They did receive some
16 decontamination, but they went on to be of service.

17 I'm trying to find the final disposition of all
18 the ships, whether they're targets or support ships.
19 But I don't have all that information yet.

20 MS. ATTENDEE: Are there any --?

21 THE REPORTER: Wait a minute. I don't know --

22 MS. PENDERGRASS: Go back, and then we'll go
23 back to [unintelligible].

24 MS. PIERCE: I want to get back to the
25 personnel that were involved in the OPERATION

1 CROSSROADS. And does the Navy have any records of their
2 health status? We know there were those on the target
3 ships. But I'm talking about all of the other ships
4 that were involved.

5 MS. L. LOWMAN: There's an association called
6 the Atomic Veterans that is -- has multiple Web sites,
7 and they were involved in the weapons testing. That's
8 one place to go and get information, and I have gotten a
9 lot of information off of their Web sites, and they talk
10 about the various ships.

11 The Defense Threat Reduction Agency is a
12 multi-service organization. And one of their -- One of
13 the reasons I'm having trouble finding the records is:
14 They have hold so many because they are working with the
15 atomic veterans and their families. So there is work
16 being done, not by me, but there's work being done.

17 MS. PENDERGRASS: We need to give the -- our
18 court stenographer a break, as she's -- and so can we
19 take a break for ten minutes and come back, finish up
20 with questions and then move forward?

21 MS. L. LOWMAN: Okay.

22 MR. ATTENDEE: Sure.

23 (Recess 6:53 p.m. to 7:05 p.m.)

24 MS. PENDERGRASS: Can we call the meeting back
25 to order, please?

1 Those of you who want to go ahead and ask a few
2 more questions, we have about five, six, seven minutes
3 for wrapping up these questions before we have
4 announcement and then the second part of the
5 presentation.

6 So I think Ms. Oliva had a question. Miss
7 Asher had a question, and Miss Lutton had a question and
8 Miss -- and Dr. Sumchai. Okay? So if we can -- if we
9 can get those four questions in.

10 And then we had a question from the audience
11 here, Mr. Da Costa and --

12 I got yours. Okay.

13 So again, it will be Ms. Oliva, Miss Asher,
14 Miss Lutton, Dr. Sumchai, and then Mr. Da Costa; and
15 then that will end our questions for tonight. You can
16 add questions later after the second part of the
17 presentation. Okay?

18 MS. L. LOWMAN: Do they know the order?

19 MS. PENDERGRASS: Yes, they do. They do.

20 MS. L. LOWMAN: Oh, okay. I don't.

21 MS. PENDERGRASS: Okay.

22 MS. OLIVA: Could I have it back for a second?

23 I can't get up. Okay. Jesse had asked --

24 MR. ATTENDEE: Turn the switch on.

25 MS. OLIVA: Jesse had asked a question about

1 servicemen. Was it Jesse or J. L. [sic]? Servicemen
2 that --

3 THE REPORTER: I'm sorry. I still can't hear
4 you.

5 MS. OLIVA: Jesse Mason and, I think, J. L. had
6 mentioned -- J. R. -- about the servicemen that lived
7 here on the base. And I would think that because they
8 lived here on the base and they had numbers, that the
9 Navy would have a record of these people that resided on
10 here. They were actual servicemen. My one question.

11 Second one is: In the experiments of the
12 no-people ships out there, a science person, I would
13 think, would not only be interested in metal and wood,
14 but rabbits and mice and other things. Were any of
15 those animal experiments on any of those ships?

16 MS. L. LOWMAN: As far as the active-duty
17 personnel that lived here on the base, we'll look and
18 see what we -- information we can find. So far I have
19 not found any specific records. The records that are in
20 the archives that would include personnel records are
21 not -- they are destroyed. So they are just not there.
22 So we'll keep looking for those.

23 Number two had to do with whether or not there
24 were animal experiments done on the ships when they were
25 here.

1 MS. OLIVA: No, no, no. While they were --

2 MS. L. LOWMAN: When they were -- when they

3 were at CROSSROADS?

4 MS. OLIVA: Yes.

5 MS. L. LOWMAN: Yes, there were animals on the
6 target ships. That was part of the experimentation.
7 Lots of different types. And you know, what can I say?
8 They were part of that experimentation, that of mice,
9 rats, guinea pigs, pigs, goats. I'm trying to think of
10 everything I've read about, but that's basically.

11 MS. OLIVA: Where did they go?

12 MS. L. LOWMAN: Most of them died during the
13 tests.

14 MS. OLIVA: Where did their --? Well, they
15 must have been dissected to find out the results. So
16 where w- --?

17 MS. L. LOWMAN: I -- I have very few records of
18 any of the animals coming back here. I have one record
19 that indicates there were some mice that were sent back
20 here for some experiment, you know, like an autopsy-type
21 experimentation.

22 Any animals so far on the research that we have
23 done if they were injected with an isotope or were
24 contaminated in some way with radioactive material, they
25 were packaged and disposed of properly.

1 If they were irradiated with an x-ray machine,
2 we haven't got the exact disposal methods for those, but
3 it looks like most of those would have gone in the
4 landfill. But they were not -- but they were not
5 radioactive. We have to make sure we clarify that.

6 MS. OLIVA: But the mice that came off -- there
7 was a group of mice that came off one of the target
8 ships and came here.

9 MS. L. LOWMAN: Possibly. We've got some --
10 Like I said, the records on the animals and what
11 actually happened to them, the ones that were at
12 CROSSROADS are very sporadic. There are some records
13 that indicate some were sent back here.

14 MS. OLIVA: Okay.

15 MS. L. LOWMAN: But also there's so- -- that
16 same record indicates some of them may have gone to the
17 NMRI, the Naval Medical Research Institute, in Bethesda,
18 Maryland.

19 So we are trying to find out exactly -- you
20 know, I don't want to give out information that's
21 erroneous or make s- -- make people assume something
22 that might not be absolutely true.

23 MS. OLIVA: In the '50s when this happened, how
24 would they transport those?

25 MS. L. LOWMAN: It was in the '40s.

1 MS. OLIVA: Forties. How did they transport
2 those back East?

3 MS. L. LOWMAN: You know, I would assume that
4 if they were still alive, they came back on a ship. And
5 if they were deceased, then they came back on a ship in
6 a cooler or something like that.

7 MS. OLIVA: Thank you.

8 MS. PENDERGRASS: Miss Asher.

9 MS. ASHER: [Sans microphone] I have a question
10 about the interviews, the interviews, the interviews,
11 the interviews, [with microphone] the interviews that
12 you're doing. What --? How does that work as a
13 scientific model?

14 Like, if you just get a few people here and
15 there and you don't get the people that Jesse was
16 talking about, for example, who lived at the base, how
17 valid is your data as a scientific model?

18 I am not a scientist, but this seems kind of
19 basic to me that this is bad scien- -- oh, I shouldn't
20 use -- I -- it's -- it's limited in its scope; would you
21 not agree with that?

22 MS. L. LOWMAN: Okay. I think as far as the
23 scope of the interviews, the interviews are -- we are
24 trying to talk with people that have any information
25 about radiological operations at the facility so that we

1 verify or look for additional areas where we need to do
2 research or look for additional areas of reference done.
3 It's not a scientific study. I'm not sure how I would
4 do interviews with people as a scientific study.

5 Most of the folks that we have spoken with are
6 very proud of the work they did here. They very much
7 want to share any experience they had with us. But
8 using them as -- to correlate some sort of scientific
9 research, I don't think I can do that with the
10 interviews.

11 The idea is that we talk to the people who were
12 actually here at the time. A lot of them passed away
13 not because of anything unusual. Just because NRDL
14 closed in '69, and the Shipyard closed in '74; so you
15 start to get people that are older, and they are just
16 passing on as just something that happens.

17 But we aren't attempting to do a scientific
18 study for those. We are not saying, "Do you have any
19 health problems?" "Are we correlating this
20 information?"

21 We -- and most of the people we are talking
22 with are very healthy, very proud of the work they were
23 doing.

24 We had an amazing gentleman yesterday who
25 actually came out here to the Shipyard. He knew every

1 building. He knew what was done all over the Shipyard.

2 He was amazing 78 years old, very spry, very active,

3 lived nearby. Really good information we got from him.

4 MS. PENDERGRASS: Ms. Lowman, we need to move

5 on.

6 We have three more questions. We are going to

7 take the one question that we had from the audience, and

8 we are going to -- we're going to stop.

9 And Dr. Sumchai, I'm sorry, you were on that

10 list. We are going to stop because we have an

11 announcement we need to make and then the second part of

12 the presentation. So I'm sorry. If we could keep the

13 question to one question so that it's not multiple

14 questions in areas that we have covered.

15 Miss Lutton, you are next.

16 And Dr. Sumchai --

17 MS. LUTTON: -- did the Navy ever figure out

18 how to successfully decontaminate? In fact, they did

19 all these experiments on how to decontaminate things.

20 Did they ever give an ans- --? Did they ever figure out

21 a way to do it?

22 MS. L. LOWMAN: Yes.

23 MS. LUTTON: Which is . . . ?

24 MS. L. LOWMAN: It's a combination of -- it's a

25 combination of sandblast grit and doing some

1 sandblasting. There are some acid-wash treatments that
2 they also used. It depends on the surface that they are
3 decontaminating, where the system they are
4 decontaminating. So -- But there are successful
5 methods, and they are still using them today.

6 MS. LUTTON: Thank you.

7 MS. L. LOWMAN: Mm-hmm.

8 MS. PENDERGRASS: Dr. Sumchai.

9 MS. SUMCHAI: I just want to make a -- a couple
10 of quick clarifying statements, because I had the
11 opportunity up until the year 2000 to be an attending
12 physician in charge of the Persian Gulf Agent Orange
13 Ionizing Radiation Registry at the Palo Alto VA, the VA
14 Hospital, in the United States of America is the largest
15 toxic registry in the country.

16 And there is no question that the atomic vets
17 had health effects that were documented from OPERATION
18 CROSSROADS, including increased cancer rates and
19 infertility; and they could be compensated for these
20 health effects, or if they died, their beneficiaries
21 could be compensated.

22 Secondly, there was a statement about no one
23 living on the base, and Parcel A is described as having
24 a -- bachelor servicemen housing on it.

25 And then I also want to ask a question finally

1 that might sound very, very naive. But this was
2 deliberately a exposure of 79 ships to an atomic blast
3 for purposes of determining how to decontaminate them?

4 MS. L. LOWMAN: Okay. Let me run the -- the
5 Atomic Veterans. Yes, we have referred some family
6 members to appropriate numbers and contact agencies for
7 the atomic veterans. It's very interesting to read all
8 their stories; and -- and -- and certainly, they went
9 through some amazing experiences. That was your first
10 issue.

11 Your second issue was families living on the
12 base?

13 MS. SUMCHAI: Right.

14 MS. L. LOWMAN: Okay. I have various -- I
15 have a very nice lady over here, Tochbee [phonetic].
16 Her husband was in the Navy; and she's saying that only
17 officers lived on the base.

18 When I talked about people living on the base,
19 I didn't say they didn't live there. What I said was:
20 We had not been contacted --

21 MS. SUMCHAI: Okay.

22 MS. L. LOWMAN: -- by anyone who lived on the
23 base. We have been contacted by Navy personnel, but
24 they did not live on the base. One gentleman lived on a
25 ship that was tied up at the base and saw some

1 radiological operations, but he did not live
2 specifically on the base itself.

3 MS. SUMCHAI: Okay. And then the --

4 MS. L. LOWMAN: And that's --

5 MS. SUMCHAI: -- purpose of OPERATION
6 CROSSROADS --

7 MS. L. LOWMAN: The purpose of --

8 MS. SUMCHAI: -- was --

9 MS. L. LOWMAN: -- OPERATION CROSSROADS was to
10 test the weapons, not test the decontamination methods.
11 They were designed to test the weapons themselves.

12 These were the fourth and fifth detonations
13 ever of an atomic weapon. They did an air burst to test
14 that, and they did a -- an underwater burst, which had
15 never been done before, to see what would happen. And
16 the idea was: They did those tests to find out how to
17 protect the personnel.

18 They had Air Force flying planes through. They
19 had Army personnel that were involved with these. All
20 types of different experiments were going on, scientific
21 and military experiments having to do with these
22 weapons, so that they could develop their own defense
23 systems and protect their own personnel.

24 MS. SUMCHAI: So they deliberately exposed
25 79 ships to an atomic blast. I mean, if it's

1 essentially that, it's -- okay. Yes.

2 MS. L. LOWMAN: Well, actually, they had
3 180 ships at the test site. The number of target ships
4 was not 81. But they had support ships.

5 MS. PENDERGRASS: Okay. We have -- I'm sorry.

6 MR. R. LOWMAN: Can I say one thing?

7 MS. PENDERGRASS: You're not on my list.

8 MR. R. LOWMAN: I just forgot.

9 MS. PENDERGRASS: I'm sorry.

10 MR. R. LOWMAN: -- answer Dr. Sumchai.

11 MS. PENDERGRASS: I yield to --

12 MR. R. LOWMAN: That's all right.

13 MS. PENDERGRASS: Well, but it's not your turn.

14 One second. We had a question over on this
15 side.

16 I'm sorry, but everybody wants to be heard. I
17 want to make sure everybody gets heard.

18 MS. E. JACKSON: I would just like to say -- I
19 do speak loud. I don't need a microphone.

20 THE REPORTER: I don't know who you are.

21 MS. E. JACKSON: Oh. Espanola Jackson,

22 E-s-p-a-n-o-l-a; last name is Jackson.

23 I was saying that my husband was in the Navy,
24 stationed here at Hunters Point, and the building right
25 across the street over there was the Bank of America

1 where I would have to cash my check.

2 Now, where people actually lived was -- with
3 families was right over here across the street in
4 Mariner's Village.

5 MS. PENDERGRASS: You need to ask your
6 question.

7 MS. JACKSON: No, no. It wasn't a question,
8 because he asked the question. I wanted to make sure
9 you understood what was going on during that time and
10 what actually happened because of the fact that I was
11 living here.

12 Another thing is that -- There was another
13 question I was answering she talked about. Someone
14 asked a question about cleaning of the ships.

15 I must say that those people, residents of
16 Bayview-Hunters Point, when they get sandblasting off
17 those ships, you ask what happened? They took it home
18 with them. It was in their clothes. That's what
19 happened.

20 Even a law -- there was a suit about 20 years
21 ago where some of the people that had worked in the
22 Shipyard was aiming to get moneys because they were ill
23 and lot of them had died because of the -- not only the
24 sandblasting, but -- what's that other one? -- asbestos.

25 Thank you.

1 So all of that was going on up until through
2 '70s.

3 And I must say to you, in the '70s, there was a
4 radiation spill over there on Palou, the Palou area.
5 And we tried to get people, even the Health Department,
6 to test the people that lived over that area, but that
7 was never done.

8 Thank you.

9 MS. PENDERGRASS: It sounds like Miss Jackson
10 would be an excellent . . .

11 MS. OLIVA: "It sounds like."

12 MS. L. LOWMAN: Yes. That's what I am
13 thinking.

14 Miss Jackson, if you could call our 1-800
15 number, which is 1-800-443-7164, and give your
16 information so we can contact you and do an interview
17 with you.

18 MS. PENDERGRASS: Just give you that tonight
19 before you leave?

20 MS. L. LOWMAN: Sure.

21 MS. PENDERGRASS: Okay. So . . .

22 MS. L. LOWMAN: That's fine.

23 MS. PENDERGRASS: Okay. That would be great.
24 All right.

25 And I'm sorry. I don't mean to be rude --

1 MS. L. LOWMAN: But if anybody else knows
2 someone, 1-800-443-7164. I have got the number down. I
3 feel like I'm on TV.

4 MS. TROMBADORE: Would you say that again,
5 please.

6 MS. L. LOWMAN: 1-800-443-7164.

7 MS. PENDERGRASS: Okay. Claire? You had an
8 announcement. And then we're going to do the second
9 half of --

10 MS. TROMBADORE: Well, what about Mr. Lowman?
11 Does he have augment her [sic] --

12 MS. PENDERGRASS: What I'm asking is that you
13 make your presentation -- or your announcement. Miss
14 Lowman is going to go into the second half of her
15 presentation. Before she does that, we can hear from
16 him.

17 MS. TROMBADORE: Okay. All right. I don't
18 need a microphone.

19 I'm Claire Trombadore with the Environmental
20 Protection Agency. And our radiation expert at EPA,
21 Mr. Steve Dean, was not available to come to tonight's
22 meeting. He has committed to come to the May 22nd RAB,
23 and it seems that you have a lot of good subject matter
24 to continue to get through tonight. And actually, I
25 think it's better that he is coming in May so we have

1 some more time.

2 I just want to quickly let you know that EPA
3 provides oversight of the Navy's investigation and
4 cleanup of the Shipyard. The Navy is the lead agency,
5 but we provide oversight.

6 One of the things that we do is: When the Navy
7 has completed a cleanup of an area that they believe was
8 impacted by radiation, we come in and perform
9 confirmation surveys and, in our own minds, feel good
10 that we are leaving the Shipyard protective of human
11 health and the environment.

12 One of the things -- One of the tools that we
13 used is a scanner van, and we got this from our Las
14 Vegas laboratory.

15 It's -- It looks like a bread truck that you
16 see deliver bread to -- here is a picture of it --
17 deliver bread to the grocery store. And it was
18 outfitted with a very large radiation detector. I think
19 it's 4 feet by 16 -- I mean 4 -- 4 by 16 inches. It's a
20 very large detector as opposed to a hand-held, which is,
21 you know, about the size of my forearm.

22 And the scanner van drives at a very slow rate
23 of speed and outside -- out the right side of the
24 vehicle to a depth of approximately 2 feet can detect
25 gamma radiation and can speciate what it detects.

1 So our Region 9 expert, Steve Dean, requested
2 that Vegas bring the scanner van to Hunters Point
3 Shipyard in particular to take a very close look at
4 Parcel A, which at the time was heading toward transfer.

5 We did a drive-through survey on Parcel A the
6 week of September 9th, 2002. And the report from that
7 survey is out. It was released on April the 10th, and I
8 mailed it and E-mailed it to a lot of folks.

9 But I also brought copies here to the meeting.
10 Want to make sure any RAB member who would like the
11 report and my cover letter that explains a lot of it can
12 walk away tonight with that report. If we don't have
13 enough copies, we do have a signup sheet, and Jackie
14 will take your name, and I can either e-mail or send a
15 hard copy to you, whichever you prefer, or both.

16 In addition, I brought -- Steve Dean suggested
17 I bring two EPA documents that give a little bit of
18 general information about ionizing radiation and the
19 health effects from ionizing radiation. So I brought
20 those.

21 So that's about all I had to say, and just want
22 to make you aware that this report is out. The findings
23 basically were -- I just want to read the actual finding
24 here.

25 "All of the anomalies detected during the scan

1 were attributable to natural-occurring sources at levels
2 consistent with that -- with what would normally be
3 found in the environment. And based on the scan
4 results, none of the areas which were scanned --" and
5 again, there's a map in the report -- "warrant further
6 radiological investigation."

7 And I want to just quickly say that we focused
8 on Parcel A. There -- They did drive on other sections
9 of the base. But any area that was on -- going on --
10 going rai- -- remediation was going on on Parcel D and
11 Parcel E or any off-road area, which is pretty much most
12 of Parcel E, the van is not capable to drive on those
13 kind of roads. It has to be navigable roads. And
14 further, as I said, it's more of a confirmation tool
15 than an investigative tool.

16 MS. PENDERGRASS: Claire --

17 MS. TROMBADORE: So --

18 MS. PENDERGRASS: Would your --? Will a
19 representative from your agency be here at the next RAB
20 to go --

21 MS. TROMBADORE: Yes.

22 MS. PENDERGRASS: -- over this in depth and
23 answer questions?

24 MS. TROMBADORE: Yes.

25 MS. PENDERGRASS: Okay.

1 MS. TROMBADORE: So I'm sorry if I took too
2 much time.

3 MS. PENDERGRASS: Okay. Thank you.

4 MR. FORMAN: Thank you, Claire.

5 MS. PENDERGRASS: The person for next, unless
6 it's --

7 MS. OLIVA: It is about the process.

8 MS. PENDERGRASS: I mean about the process of
9 distributing the information? No, no.

10 MS. TROMBADORE: I'm not a radiation expert.
11 I'm just a project manager. So you can always call me
12 with any -- you know, any additional questions. My name
13 is in -- My name and number are in the cover letter
14 that you will also get a copy of -- okay? -- as is
15 Mr. Steve Dean's.

16 MS. PENDERGRASS: Thank you.

17 MS. TROMBADORE: Thank you for letting me
18 speak.

19 MS. L. LOWMAN: Mr. Lowman, would you like to
20 say something?

21 MR. R. LOWMAN: I was just going to answer
22 Dr. Sumchai's question, which is why did the Navy do
23 this -- I don't think I need it (indicating
24 microphone) -- was why did the Navy do this. Was it to
25 see that we could decontaminate ships? No, it wasn't.

1 MR. MASON: I can't hear you. I can't hear
2 you.

3 MR. R. LOWMAN: These were new weapons they had
4 never used before, and the tests were designed to see
5 the survivability of a United States Navy fleet.

6 The majority of the tests -- or the target
7 ships, they were put into the lagoon at Bikini, and they
8 were fairly close together.

9 And the ships that sank, the Prinz Eugen, the
10 German battleship; the Nagato, a Japanese cruiser;
11 several Japanese destroyers; a couple of Japanese
12 submarines, the old Navy submarines were there were not
13 intended to be used again. And the USS Saratoga sank
14 and -- when we lost her.

15 So we lost a bunch of ships. But that was the
16 intent. What will be the effect?

17 One of the things we learned was how to space
18 our ships when we went to sea as task force in the
19 future, and it's based on what happened at Bikini.

20 So it wasn't to learn how to decontaminate
21 anything. It was learning survivability of the United
22 States Navy.

23 MS. SUMCHAI: What was the mortality from this
24 experiment? Do you know?

25 MR. R. LOWMAN: I have no idea. I really

1 can't. You have to ask DTRA, who goes back to the
2 atomic veterans. We can go on the Atomic Veterans
3 pages, and we'll just find, you know, a veteran from
4 this ship or a veteran from that ship.

5 There's no real good centralized thing because
6 for years, to be honest with you, they stonewalled the
7 veterans, but they have now turned around and changed
8 their minds. It goes back the other way.

9 MS. SUMCHAI: Then the atomic bomb had been
10 dropped on Hiroshima and Nagasaki just not in a test
11 situation?

12 MR. R. LOWMAN: Oh, absolutely not. That was
13 not a test. That was a detonation.

14 And one other question or one other thing I had
15 for Miss Asher was: When we selected these people to
16 talk to, the original HRA I had interviewed about
17 12 people. They were all scientists at NRDL. We came
18 under a lot of fire in saying you need to talk to the
19 people in the trenches.

20 So what we picked out was guys that are
21 sandblasters down at the piers when they did these
22 things, ship fitters, sheet metal workers.

23 The guy that we talked to yesterday was --
24 started off as apprentice woodworker. He was able to
25 tell me if you were over at 815 in the early -- late

1 '30s and early '40s, you could swim from Building 815

2 because that was Shag Rock Beach --

3 MR. ATTENDEE: Right.

4 MR. R. LOWMAN: -- and it was all filled in out

5 there. Now, why we haven't gotten anybody from Bayview?

6 Because nobody called us. A lot of people had said

7 "Well, we're going to get somebody to call you," but

8 absolutely nobody has called us.

9 MS. PENDERGRASS: All right. Miss Lowman, are

10 you prepared to report with the rest of your

11 presentation for the second half, and then we will have

12 more questions? Because I think at that point if --

13 if --

14 MS. L. LOWMAN: Did you bring the presentation,

15 the one with buildings?

16 MS. E. JACKSON: What you all saying? I can't

17 hear.

18 MS. L. LOWMAN: We are saying if we messed

19 up . . .

20 MR. FORMAN: I don't know where Doug is.

21 MS. L. LOWMAN: Excellent. They are giving me

22 the blank stare.

23 MR. FORMAN: The other presentation?

24 MS. PENDERGRASS: If you need a little moment

25 to regroup, what we could do is have quickly

1 subcommittee reports and then the rest of your
2 presentation. But --

3 MS. L. LOWMAN: I think that would be a really
4 good idea.

5 MS. PENDERGRASS: Okay. Why don't we do that?
6 Okay.

7 Let's start with our subcommittee reports; and
8 if we can, if we could really keep it as brief as
9 possible, I think -- I saw copies of all the narratives
10 from the subcommittee reports.

11 So who would like to go first?

12 MS. PIERCE: I would.

13 MS. PENDERGRASS: Okay.

14 MS. PIERCE: The Risk Review Committee
15 meeting -- April meeting was cancelled, so there's no
16 minutes.

17 And the next meeting will be Tuesday, May 20th,
18 at 5:30 p.m. at 5021 Third Street.

19 MS. PENDERGRASS: Okay. Is there a request for
20 the Navy or any other support for that meeting?

21 MS. PIERCE: Not at this time.

22 MS. PENDERGRASS: Okay.

23 MS. SUMCHAI: I just had a quick question for
24 your committee. There are human health risk assessments
25 that have been done on Parcels A and B, and there's a

1 radiation risk assessment for Parcel E. Why hasn't
2 your -- your subcommittee entertained reviewing those
3 reports?

4 In fact, we should probably have radiation risk
5 assessment reports done for all the parcels at this
6 point.

7 MS. PIERCE: Because committee members haven't
8 gotten to that point yet. But thank you for that
9 suggestion.

10 MS. PENDERGRASS: All right. The next
11 committee review.

12 MR. TISDELL: Hello. Keith Tisdell, leader of
13 the Membership & Bylaws Committee. On -- we did file,
14 you know, a report mentioned from our last meeting.

15 THE REPORTER: Excuse me. I'm sorry. Can you
16 hold on?

17 MS. PENDERGRASS: Yes.

18 MR. TISDELL: Hey.

19 (Pause in proceedings while reporter
20 requests Mr. Keichline admonish smoker.)

21 MS. PENDERGRASS: All right.

22 MR. TISDELL: And it's the minutes from the
23 Membership & Bylaws over on the table right there,
24 Joleen.

25 And we had a candidate who was supposed to be

1 here this evening that the Membership & Bylaws approved.
2 But since there was no-show, we going to forgo that one,
3 Mr. Harry -- Harry Shin. And the other Asian did not
4 show up for Membership & Bylaws, so we are waiting on --
5 waiting on her to show up. But --

6 And the next Membership & Bylaws meeting is
7 right here, the 13th, the second Tuesday of May, which
8 is May 13.

9 And I'm asking for more time on the -- in the
10 June meeting because there's quite a few members. Their
11 two-year term is up, and we want to catch everybody up
12 by then, and I need to read their names since some were
13 here and some not.

14 MS. PENDERGRASS: We are going to do that in
15 May or in June?

16 MR. TISDELL: We hope to get it done by May,
17 but June definitely.

18 MS. PENDERGRASS: Okay. So can we make a note
19 to put that, Mr. Keichline, on the June agenda?

20 MR. KEICHLINE: I missed the schedule. I'm
21 sorry. I was dealing with them up here.

22 MS. PENDERGRASS: On the June agenda, the
23 Membership & Bylaws Committee would like to have a
24 little bit more time than their normal ten minutes.
25 Okay.

1 MR. TISDELL: And if -- Ron, if you could

2 e-mail the people who time is up and let them know.

3 MR. KEICHLINE: I'll work with Melita.

4 MS. PENDERGRASS: You all can talk about that
5 in committee.

6 MR. TISDELL: Hey.

7 MS. SUMCHAI: You have your -- your minutes
8 from the March meeting, and I will transmit by
9 electronic mail the minutes from last night's meeting.

10 I wanted to just announce that there is a new
11 community center in Bayview-Hunters Point. It's called
12 The Greenhouse. It's located at 4919 Third Street at
13 Palou. And I had proposed having the May 21st meeting
14 of the subcommittee there in the evening.

15 I had invited Mr. Steve Dean from the EPA. I
16 was very impressed with his comments in the draft HRA
17 Response to Comments.

18 I also invited Mr. Daryl Vincent, who is
19 Mr. Forman's equivalent in the Army Corps of Engineers,
20 to specifically bring us up to date on the status of the
21 FUDS site of the need for the Army Corps of Engineers to
22 make some definitive decisions about the investigation
23 of these sites, and Mr. Vincent got back to me in an
24 e-mail about thirty minutes before I came to the
25 meeting, and he is not available. He's in Utah at the

1 time of this meeting.

2 And again, Mr. Dean may not be available that
3 evening 'cause he's going to be speaking here on the
4 22nd.

5 So I'm going to go ahead and keep that meeting
6 date for the 21st, Wednesday, 6:00 to 8:00; but it may
7 be necessary for us to move that around to accommodate
8 our guests. We are going to have a RASO representative.
9 So I think we probably need to keep that as a fixed, you
10 know, meeting date right now.

11 I do think it's incredibly important for us to
12 pressure the Army Corps of Engineers to follow up on
13 these FUDS sites.

14 Let me say very, very quickly -- and I will
15 end -- that with regard to the comments to the draft
16 Historical Radiological Assessment --

17 (Reporter interrupts.)

18 MS. SUMCHAI: -- the comments of this, the
19 draft Historical Radiological Assessment, Volume II, use
20 of general radioactive materials 1939 2002, there is
21 some incredibly insightful, visionary and creative
22 thinking that went into this document. I am so
23 impressed with some of the insight that was -- that is
24 provided here.

25 And there are some priority concerns that keep

1 surfacing, and I just want to highlight as bullet
2 points.

3 Again, the FUDS and the residual 15,000-gallon
4 underground tanks at Building 815, Amy Brownell has been
5 in communication with Mr. Vincent. Mr. Vincent says
6 that Mr. Lowpensky did give them access to the building.
7 So there is some continued activity there, and we need
8 to follow up on that.

9 Also, Building 8- -- 820, which housed the
10 cyclotron, was determined by NRDL to not require a
11 release in 1969. So it has never been investigated.

12 MS. PENDERGRASS: Dr. Sumchai, I'm going to
13 stop you for a second, because you're making a report
14 about a report. And --

15 MS. SUMCHAI: Well, I'm actually making a
16 report about items that were discussed at last night's
17 meeting, and I will quickly --

18 MS. PENDERGRASS: So --

19 MS. SUMCHAI: -- finish my --

20 MS. PENDERGRASS: But what -- what I'm saying
21 is, is that part of your repo- -- your written report as
22 well?

23 MS. SUMCHAI: It will be when I compile it.

24 MS. PENDERGRASS: Okay, because what I -- time
25 permitting.

1 MS. SUMCHAI: I know, I know. Okay.

2 MS. PENDERGRASS: What you need to do is not
3 give such a long summary of your report. But if there
4 is recommendations that need to come forth or you need
5 to have something voted on and bring forth to the -- to
6 the RAB, that's the time for the committee reports.
7 Otherwise, we're going to run long, and we won't get the
8 rest of the presentation. I'm sorry.

9 MS. SUMCHAI: Okay, but, you know, my concern
10 is that when I came to this meeting, what -- I expected
11 that this document was going to be addressed, and I'm
12 concerned that it hasn't been.

13 So in the time that you just took reprimanding
14 me, I would have been finished.

15 I'm going to make two --

16 MS. PENDERGRASS: Yes, ma'am. I'm sorry.

17 MS. SUMCHAI: -- other quick points.

18 One, there's a need for radiation risk
19 assessment reports for all of the parcels on the
20 Shipyard.

21 And the final report, I want to emphasize to
22 you that the California Department of Health Services'
23 release for unrestricted use of Buildings 816 and 821 on
24 Parcel A could be legally challenged.

25 The standard that was used was: An NRC

1 standard that is below the EPA standard is currently
2 being challenged in courts. Miss Lowman acknowledged
3 that there's seven bills in the state legislature that
4 all oppose any more stringent standard than the EPA
5 standard.

6 So the -- in essence, the Parcel A transfer
7 could be legally challenged on the basis of the
8 appearance of those two buildings.

9 MS. LUTTON: What's the name of that cross
10 street and the address where the meeting will be?

11 MS. SUMCHAI: It's 4919 Third Street right at
12 Palou. It's right across the street from the -- from
13 the paper. I'll definitely be in contact with you. And
14 I appreciate your comments also.

15 MS. PENDERGRASS: Miss Franklin has --

16 MS. FRANKLIN: Yes, I --

17 MS. PENDERGRASS: -- has a comment about the
18 membership and bylaws.

19 MS. FRANKLIN: I was not given the opportunity
20 to respond to the Bylaws Committee report. And reading
21 the report, which is --

22 Thank you [grabbing microphone].

23 Yeah. I -- I appreciate getting the reports by
24 mail.

25 In -- in relations to the bylaw report, I

1 would -- it appears that an oligarchy has been set up
2 i- -- within the Bylaw Committee.

3 And I would like to make a motion that the
4 bylaws make -- be in place until the end of the year,
5 because each time that a new member approaches or
6 applies for the RAB, the bylaws are changed. So this
7 is -- this is not good.

8 So I would that we set aside one month, which
9 is after in December, to review or amend. But I don't
10 want -- I would hate to see any more changes being made
11 each time a member joins. And this is not good. It's a
12 bad impression and it has a bad message.

13 MS. PENDERGRASS: Miss Franklin, you put a
14 motion on the floor.

15 MS. FRANKLIN: Yes.

16 MS. PENDERGRASS: Is there a second to that?

17 MR. TISDELL: What's the motion?

18 MS. FRANKLIN: A motion is that there be no
19 more changes or amendments to the by- -- the bylaws for
20 the rest of the year, and then we look at the amendments
21 at the end of the year.

22 MS. PENDERGRASS: Is there a second to that
23 motion?

24 MS. H. JACKSON: Second.

25 MS. PENDERGRASS: Okay. At this point . . .

1 We have a motion on the floor, and we have to give time
2 for the discussion at this point because there is a
3 motion on the floor regarding this, although this is a
4 topic that needs to be addressed at the Membership &
5 Bylaws Committee level.

6 MS. FRANKLIN: I think it should be addressed
7 here because we get -- the oligarchy is set up, okay?
8 And we don't need to change the bylaws without copies of
9 the amendments to be implemented by the group.

10 MR. BROWN: Marie, we'd already taken care of
11 that. We said the same thing what you said about that.
12 We won't change the bylaws until the end of the year
13 unless it's necessary.

14 MS. FRANKLIN: But that wasn't reported within
15 the communication I received in the mail.

16 MR. BROWN: But that's what we said.

17 MS. FRANKLIN: There's a motion I would like to
18 get in --

19 MR. BROWN: I'm sorry if it's not -- wasn't in
20 there. This is what we said at the Membership & Bylaws
21 meeting.

22 MS. LUTTON: If the minutes did not include
23 that, then that's a mistake.

24 MR. BROWN: Right.

25 MS. PENDERGRASS: So do we need to have a

1 clarification in this month's minutes? Is that --?

2 MR. BROWN: Right.

3 MS. LUTTON: I guess we should repeat --

4 MS. FRANKLIN: Inform -- inform the RAB --
5 inform the RAB of what you're doing. Inform the body of
6 what's going on. That's --

7 MR. MASON: Give it to Ron.

8 MS. FRANKLIN: -- the point.

9 MR. KEICHLINE: In the Membership & Bylaws
10 Committee, Mr. Tompkins made a motion to only revise the
11 bylaws once a year.

12 MS. LUTTON: Yeah.

13 MR. KEICHLINE: The date he set was the month
14 after the co-chair election as the appropriate time.
15 You're saying December now. But Mr. Tompkins' motion
16 was the month after the co-chair election, which would
17 be August. So just to clarify that.

18 MS. FRANKLIN: It's not written, sir.

19 MR. KEICHLINE: It's discussed in the bylaws.

20 MS. FRANKLIN: If it's not written, it didn't
21 happen.

22 MR. KEICHLINE: Well, the motion to the RAB on
23 the second sheet of the Membership & Bylaws is that
24 the -- stating that the bylaws will only be revised once
25 per year in the month following the election of the

1 Community Co-chair. So it is in there.

2 MR. MANUEL: Okay. I have a question.

3 MS. PENDERGRASS: Yes, sir.

4 MR. MANUEL: Basically, did it get voted on and
5 approved? Or . . .

6 MR. KEICHLINE: It's a motion to the RAB.

7 MR. MANUEL: Okay. When did -- when did it get
8 made, or why didn't we approve it when it was made?

9 MR. KEICHLINE: I don't know. Mr. Tisdell made
10 that motion to the RAB.

11 MR. MANUEL: Mr. Tompkins maybe.

12 MR. KEICHLINE: I don't know.

13 MS. PENDERGRASS: At this point, though, Miss
14 Franklin has a motion on the floor -- it's been seconded
15 by Miss Jackson -- and that is to put off -- put off
16 this vote. At this point if discussion around that
17 motion is ended, we need to vote on it.

18 MR. BROWN: What was -- what was --? Let's go
19 back.

20 MS. PENDERGRASS: The motion is to not change
21 the bylaws until once a year and have that possibly be
22 at the end of the year. That was the motion and that
23 was seconded.

24 MR. MANUEL: I'd like to offer a friendly
25 amendment to that motion.

1 MS. PENDERGRASS: Certainly.

2 MR. MANUEL: Okay.

3 Marie, in the interest of all the group being
4 together here on this thing, it seems like there's
5 already consensus that this is a relevant point. Would
6 you accept the month after the co-chair elections
7 instead of December? And then we go ahead and vote on
8 it --

9 MS. PENDERGRASS: Yes.

10 MR. MANUEL: -- because then it's over with,
11 you know, because it is something that's already wanted.
12 Would you accept that? A month after --

13 In other words, your motion for December, would
14 you accept that we do it as per what he was talking
15 about, which is a month after the election of the
16 Community Co-chair?

17 MS. FRANKLIN: Does that mean that all of the
18 amendments that were made since I joined would be
19 reversed?

20 MR. KEICHLINE: No.

21 MS. FRANKLIN: Or would you continue --

22 MR. KEICHLINE: No.

23 MS. FRANKLIN: -- to add?

24 MR. KEICHLINE: No.

25 MR. MANUEL: No. It means -- I'm assuming

1 that once the motion is carried, that things would stop.

2 MR. KEICHLINE: No.

3 MS. PENDERGRASS: No. What would happen if her
4 motion carried is that the -- the bylaws are still in
5 place --

6 MR. KEICHLINE: Right.

7 MS. PENDERGRASS: -- until they are reviewed at
8 a month after that. And only at that time that they'll
9 be reviewed, you'd still have to go through the process
10 of bringing those reviewed bylaws to the full body and
11 having a vote.

12 MR. KEICHLINE: That's correct.

13 MS. FRANKLIN: And I'll accept bringing the
14 by- -- bringing all the bylaws to the full body once a
15 year for -- and -- and along with the amendments. I
16 would accept that once a year.

17 MR. MANUEL: That's what -- that's what
18 basically --

19 MS. FRANKLIN: Okay. That's what they are
20 saying, but that's what needs to be done, because I've
21 seen them changed four times.

22 MR. MANUEL: But that's not --

23 MS. PENDERGRASS: So --

24 MR. MANUEL: That's what's on the --

25 MS. PENDERGRASS: So --

1 MR. MANUEL: -- floor.

2 MS. PENDERGRASS: -- Miss Franklin, did you --

3 did you accept this friendly --

4 MS. FRANKLIN: I would --

5 MS. PENDERGRASS: -- amendment?

6 MS. FRANKLIN: I will accept a annual amendment

7 to the bylaws.

8 MS. PENDERGRASS: Okay --

9 MR. MANUEL: Yeah, that's --

10 MS. PENDERGRASS: -- which -- okay.

11 So we've got a friendly amendment to the bylaws

12 in not having to necessarily be only in December.

13 MR. MANUEL: Right, right.

14 MS. PENDERGRASS: All right. So all in favor

15 of that motion by hands, please, in favor?

16 All opposed?

17 MR. KEICHLINE: Hold it. Sorry.

18 Could you hold the hands high so I can get a

19 count?

20 MS. PENDERGRASS: Count?

21 All in favor, please.

22 MR. KEICHLINE: Six, seven, eight.

23 MR. BROWN: That's a --

24 MS. PENDERGRASS: All right. And all those --

25 MR. KEICHLINE: Eight ayes.

1 MS. PENDERGRASS: Okay.

2 All of those opposed to that? Do we have any
3 opposing?

4 MS. RAB MEMBER: No.

5 MS. PENDERGRASS: Do we have any abstentions?
6 We have two abstentions here. All right. So that
7 motion does carry and that puts that to rest.

8 MR. KEICHLINE: Can I --? Just to clarify what
9 you said earlier. So what happens now is: The
10 amendment goes to the bylaws. We'll make a revised
11 bylaws that will be voted next month to accept that
12 revision, because the bylaws state that no amendments to
13 the bylaws be made without --

14 MR. RAB MEMBER: We're going to vote.

15 MR. KEICHLINE: -- seven days' notice --

16 MS. RAB MEMBER: Voted down, no.

17 MR. KEICHLINE: The bylaws state that there
18 cannot be a mo- -- amendment to the bylaws without the
19 RAB members having seven days to review. So this will
20 be put together as a revised, red-lined, struck-out
21 bylaw presented next month for final approval. That
22 cannot be any other way.

23 MS. PENDERGRASS: Miss Franklin, your motion
24 amends the bylaws. So this is an amendment that you
25 didn't want to happen. So if you don't want that, we

1 have to rescind that motion.

2 Do you understand what you just did?

3 MS. FRANKLIN: No, no. The thing is that when
4 I joined, there was a bylaw --

5 MS. PENDERGRASS: Stay with me here. Stay with
6 me here on the point.

7 The point is, you just amended the bylaws. You
8 just made a motion to amend the bylaws.

9 MS. FRANKLIN: That was not an amendment.

10 MS. PENDERGRASS: Your motion, in effect,
11 amended the bylaws. And the bylaws do require that any
12 amendment has to be given seven days in advance.

13 Is that not correct?

14 MR. KEICHLINE: True.

15 MS. PENDERGRASS: Seven days. So that means
16 that your amendment -- the amended bylaws with your
17 amendment that you just made needs to come to the full
18 RAB for a vote. Okay.

19 So do you understand that?

20 MS. FRANKLIN: Isn't this the by- -- the RAB
21 here?

22 MS. PENDERGRASS: Yes, ma'am.

23 MS. FRANKLIN: Okay. Well, why don't we vote
24 now?

25 MS. PENDERGRASS: Because we haven't given the

1 seven days to -- for everybody to get that information.

2 As you have said, everybody's not here tonight.

3 MS. FRANKLIN: Well, that's --

4 MR. SAUNDERS: Point of information.

5 MS. PENDERGRASS: Yes, sir.

6 MR. SAUNDERS: In the bylaws, No. 17,
7 "Amendments." It basically says, "Amendments to these
8 Bylaws require a majority of vote at a regular RAB
9 meeting," which is any RAB meeting. That's what the RAB
10 agreed at that time.

11 So what you're requesting really is an
12 amendment to the bylaws, to change it so you only amend
13 the bylaws once a year, while the -- while the bylaws
14 basically state right now that you can submit an
15 amendment every meeting. "Written notice of the
16 amendments and their terms must be given at least one
17 week prior to the meeting."

18 MR. KEICHLINE: Right.

19 That's why the motion cannot go into effect
20 tonight.

21 MS. PENDERGRASS: That's right. It has to --

22 MR. MANUEL: That's -- that's fair. It's in
23 the bylaws.

24 MS. PENDERGRASS: Right.

25 So what you've just done is amended the bylaws

1 so that it will be brought back for review next month.

2 MR. MANUEL: That --

3 MS. FRANKLIN: Okay. Then -- then I -- I --
4 then I will demand that there be one every -- at every
5 meeting that bylaws be listed for everyone to view.

6 Also, a committee group, a member of each
7 committee, subcommittee, that be included, you know, the
8 names on each committee --

9 Just a minute, because --

10 MS. PENDERGRASS: Miss Franklin, you're -- the
11 issues that you're raising right now are too detailed to
12 talk about and discuss at this meeting without being on
13 the agenda.

14 MS. FRANKLIN: Well, because --

15 MS. PENDERGRASS: What -- Miss Franklin, the
16 process for this is that you a- -- you need to talk with
17 the chair of the Membership & Bylaws Committee, discuss
18 this at a regularly scheduled meeting, and bring a
19 recommendation forward to the Board. That's the
20 process.

21 I'm going to close this discussion at this
22 point. We have a motion that has passed on the floor,
23 and we will act accordingly based on that.

24 At this point, we are going to move forward
25 with the rest of our announcements. I think we have two

1 committees left, and we need to get those dates on the
2 board, and we have the rest of a presentation we need to
3 do in the next ten or fifteen minutes.

4 MS. FRANKLIN: I'll be sending a written
5 response.

6 MS. PENDERGRASS: Yes, ma'am.

7 MS. FRANKLIN: Thank you.

8 MS. PENDERGRASS: Thank you.

9 Let's see.

10 Mr. Mason?

11 MR. MASON: Yes.

12 MS. PENDERGRASS: Did you have a report?

13 MR. MASON: Yes, I do.

14 MR. ATTENDEE: Give him the mic.

15 MR. MASON: Okay. Mr. Campbell is not here
16 today, but he called me when he came here from
17 Sacramento and asked me to give the economic report.

18 The Economic Committee met on April --
19 April 9th at 1790 Yosemite. And all those that were
20 present -- all those that were present were Foster
21 Wheeler, Tetra Tech, I.T.S.I.; we had Chon Son, who is
22 the contract compliance officer, and World Technology
23 and also Mr. James Fields of the Human Rights
24 Commission.

25 In that meeting, we looked at last month's

1 money that came into the community, and it was about
2 \$41 million. The community didn't get as much money as
3 we would like for them to get. We know that the
4 truckers have gotten some of the -- the hauling money
5 out of that, which was fantastic.

6 But we were also looking at the last 100 task
7 orders that the Navy put out. There was not too much
8 community participation.

9 But we discussed the way to solve this problem.
10 And some of the prime contractors that we dealt with in
11 the meeting had come up with some suggestions about
12 solving the prob- -- the problem.

13 And they are in the making of -- We got a RFP
14 the other day about some of the prime contractors
15 discussing contracting with some of the contractors in
16 the community, subcontracting with some of the
17 subcontractors in the community.

18 So it just hasn't come from -- like, it's not
19 all formed yet. But, you know, it's in the formative
20 stages right now.

21 So Mr. Campbell told me to let you -- asked me
22 to let you know that this will be in print form at the
23 next RAB meeting, and he apologized for not being able
24 to --

25 MS. PENDERGRASS: When is the next meeting?

1 MR. MASON: The next RAB -- The next Economic
2 meeting is -- I have it. I have it. Go on.

3 MS. PENDERGRASS: Okay. Well, if we could just
4 put it up on the board as soon as you do.

5 MR. MASON: Okay.

6 MS. PENDERGRASS: Any -- anything else that
7 you --?

8 MR. MASON: No. That's -- that's it.

9 MS. PENDERGRASS: Okay.
10 Did we forget any --?

11 MR. MASON: Oh, one thing. One thing. I'm
12 sorry.

13 And Mr. Campbell also wanted me to let you know
14 that all those that he would invite to the Economic
15 Committee that he would probably e-mail.

16 MS. PENDERGRASS: All right.
17 Is there any other committee that I overlooked?
18 I'm sorry.

19 MS. LOIZOS: Hi. The Tech Committee met on the
20 10th of April, and Barbara Bushnell had invited a
21 speaker from the Public Utilities Commission to come and
22 give a presentation. So that was the majority of our
23 meeting.

24 She -- They were talking about this
25 feasibility study that the PUC is doing for

1 decentralized wastewater treatment at the Shipyard.
2 They are looking at ways that in the future they can --
3 so that they would no -- wouldn't have to use the
4 Southeast Wastewater Treatment Plant. They could
5 actually treat the wastewater and reuse some of it here
6 on the Shipyard.

7 I think they are actually going to give a
8 presentation at the RAB -- to the RAB at some point. So
9 I'm not going to give you too much information about
10 that, and it's all in our minutes. So that's it.

11 MS. PENDERGRASS: And your next meeting . . . ?

12 MS. LOIZOS: Oh, right. I think it's set for
13 the 7th, Wednesday, the 7th, at the library.

14 MS. PENDERGRASS: Wednesday, the 7th, at the
15 library what time?

16 MS. LOIZOS: Oh. Six p.m.

17 MS. PENDERGRASS: Thank you. I'm sorry to rush
18 us through there.

19 So if we can, we have -- to stay on schedule,
20 we have ten minutes to do the rest of Miss Lowman's
21 presentation, or the option is to continue with some
22 questions and invite her back to -- at another time.
23 The time element is at your pleasure.

24 Mr. Co-Chair?

25 MR. MANUEL: I have a question.

1 MS. PENDERGRASS: I'm sorry. Yes.

2 MR. MANUEL: I have a question. Approximately
3 how much time would it normally take her to do the rest
4 of her presentation?

5 MS. L. LOWMAN: Take me about thirty minutes to
6 do the whole thing.

7 MR. MANUEL: Okay. Well, I have to make a
8 motion, then, to go on with the questions. I think
9 other people had questions and then just invite her back
10 so that -- because what the rest of her presentation
11 represents there's going to be questions on that too.

12 MS. L. LOWMAN: Let me --

13 MR. MANUEL: So --

14 MS. L. LOWMAN: Let me say what the rest of the
15 presentation was: A building-by-building, site-by-site
16 overview of the radiological work we have done so far at
17 Hunters Point. It will take a long time to go through
18 all the sites. There's over 70 sites. So we --

19 MS. PENDERGRASS: I guess --

20 MS. L. LOWMAN: So --

21 MS. PENDERGRASS: We have someone who's made a
22 motion to ask Ms. Lowman back. We haven't had a second
23 on that.

24 MS. FRANKLIN: I second the motion.

25 MS. PENDERGRASS: But first before we can move

1 forward with that motion, I think we need to figure out
2 from the co-chairs if that's all right and with Miss
3 Lowman of her availability.

4 MR. MANUEL: Well, from what I understand, she
5 won't be able to be here at the next meeting, but a
6 representative can come in her -- her stead.

7 But my -- my only -- my only issue was the fact
8 that there won't be enough time for people to get the
9 full benefit.

10 MS. PENDERGRASS: I understand.

11 MR. MANUEL: Doesn't make sense --

12 MS. L. LOWMAN: We have an option. We can do
13 the questions, or I can hit a couple of the --

14 (Simultaneous colloquy.)

15 MS. L. LOWMAN: -- doing work right now. But I
16 won't be able to do them justice.

17 MS. PENDERGRASS: You can't do the full --

18 MS. L. LOWMAN: No, I can't, no.

19 MS. PENDERGRASS: So we did have several people
20 in the audience that wanted to ask additional questions
21 about your previous presen---

22 MS. L. LOWMAN: Okay.

23 MS. PENDERGRASS: -- -tation. But I --

24 MS. L. LOWMAN: Go on.

25 MS. PENDERGRASS: I want to make sure we get it

1 down when you will be back to do the rest of your
2 presentation or to discuss that.

3 MS. L. LOWMAN: There will be someone from my
4 office that will come in May. It won't be myself.
5 Because of the HRA schedule right now, it doesn't look
6 like I will be attending.

7 Certainly, June is a possibility. But I -- you
8 know, I can't confirm that right now.

9 MS. PENDERGRASS: What's the pleasure of the
10 Board? June all right or do you want May?

11 MS. LOIZOS: I was wondering, do you have a
12 presentation -- I mean, a copy of your presentation
13 slides prepared for us? And if so, are they
14 self-explanatory at all?

15 MS. L. LOWMAN: We didn't bring copies.

16 MS. LOIZOS: Oh.

17 MS. L. LOWMAN: So that was a mix-up on our
18 part. We kind of got --

19 MS. PENDERGRASS: So --

20 MS. L. LOWMAN: -- wires crossed.

21 MR. MANUEL: Probably down to five minutes now.

22 MS. PENDERGRASS: Yeah. We do have a motion on
23 the floor. We had a second to that? No.

24 MR. MANUEL: We did have a second.

25 MS. PENDERGRASS: Oh. Who seconded it?

1 MR. MASON: Marie --

2 MR. MANUEL: Marie Franklin.

3 MR. MASON: -- Franklin.

4 MS. PENDERGRASS: All right. Also, we have a
5 second to the motion to invite Miss Lowman back or
6 someone from her staff back to the May meeting. All in
7 favor of that motion? All in favor?

8 THE BOARD: Aye.

9 MS. PENDERGRASS: Three, four, four people.
10 All opposed or wanted something different? We
11 have four people opposed to that.

12 MR. MANUEL: We got five minutes.

13 MS. PENDERGRASS: So --

14 MR. MANUEL: Three, four minutes.

15 MS. PENDERGRASS: Okay. Did we have any
16 abstentions on that? We have a tie. So I don't know
17 what --

18 MS. RAB MEMBER: Well, you . . .
19 (Simultaneous colloquy.)

20 MS. PENDERGRASS: Just a moment.

21 Mr. Mason? Would you please vote on the motion
22 on the floor, which is to either have Miss Lowman back
23 in May to do this or not.

24 MR. MASON: Can't we complete it tonight?

25 MR. MANUEL: Well, it's up for discussion

1 really for the last three minutes. I mean, that's where
2 we're at here. What do we do now for the last three
3 minutes that we got? I mean --

4 MS. PENDERGRASS: We are following the process;
5 and the longer it takes with people's sidebars, the
6 longer the process.

7 So can we have a vote, Mr. Mason, so that we
8 can break this tie, please?

9 MR. MASON: We'd like her back in June.

10 MS. L. LOWMAN: Thank you.

11 MS. PENDERGRASS: So not in June but in May.
12 But -- okay.

13 So someone from your office can be here in May?

14 MS. L. LOWMAN: Someone from my office will be
15 here in May.

16 MS. PENDERGRASS: Okay.

17 And Ron, you'll put that on the agenda?

18 MR. KEICHLINE: Yes.

19 MS. PENDERGRASS: All right.

20 MS. ASHER: Well, I'd like to make a motion to
21 stay and have you do your presentation. It's on the
22 agenda. I mean, I -- I have -- I don't know. Do I have
23 a second on that?

24 MR. BROWN: I second it, 'cause I'd like to
25 know where all this --

1 MS. ASHER: I want to know --

2 MR. BROWN: -- radiological material is coming
3 from.

4 MS. PENDERGRASS: Well, how about -- how about
5 a happy medium here? And for those of you who can't
6 stay for the rest of the presentation, she will be back
7 to kind of do an overview at the May meeting and ask
8 more questions; and for those of you who can stay
9 tonight, Miss Lowman is here, and we can finish the
10 presentation. That's entirely up to you. Would that
11 work?

12 MR. MASON: Well, I thought -- I thought --

13 (Concurrent colloquy by Mr. Manuel.)

14 MR. MASON: -- be back in --

15 MR. MANUEL: -- motion --

16 MR. MASON: -- at the next RAB meeting.

17 MS. PENDERGRASS: She can't. She won't.
18 She --

19 What about June?

20 MS. L. LOWMAN: Well, I'll probably be here in
21 June, but May I can't. Right now it doesn't look like I
22 can come in May.

23 MR. MANUEL: Someone from her office can come.

24 MS. L. LOWMAN: Someone else will be here,
25 but --

1 MR. MASON: So I'm hoping you understand that
2 Virginia is a long ways.

3 MS. PENDERGRASS: Virginia?

4 MS. L. LOWMAN: Airplane time.

5 MR. MANUEL: Yeah.

6 MR. MASON: But, you know, if you could do it
7 tonight, I'm willing to stay.

8 MS. L. LOWMAN: Okay. It's up to you.

9 MS. PENDERGRASS: Okay. We have another motion
10 on the floor, which is to continue on tonight in
11 addition to having her come back and/or someone from the
12 office in May.

13 So all in favor of that motion, "aye"?

14 THE BOARD: Aye.

15 MS. PENDERGRASS: One, two, three, four, five.
16 Those opposed?
17 One, two. Okay.
18 Any abstain?

19 MR. RAB MEMBER: Yes.

20 MS. PENDERGRASS: So one abstention. So it
21 sounds like we have a group that wants you to stay here.

22 MR. KEICHLINE: We do need to take a break,
23 though.

24 MS. PENDERGRASS: We do need to take a break,
25 you're right, for the court stenographer.

1 Okay. So you've all spoken. So those of you
2 who have to leave now, leave. And those of you who
3 would like to stay, we'll have the presentation in ten
4 or fifteen minutes.

5 Thank you, Christine.

6 (Recess 7:58 p.m. to 8:05 p.m.)

7 MS. PENDERGRASS: So we're back in or- -- in
8 order.

9 Let me just clarify one thing. First off, the
10 official RAB meeting has ended. Now we're in kind of an
11 overtime extension. We are -- This is strictly
12 education part at this point. So we can't vote on any
13 motions or anything like that.

14 MR. KEICHLINE: Only if we have less than one
15 third.

16 MS. PENDERGRASS: Okay.

17 MR. KEICHLINE: So with eight people is one
18 third of the RAB. So we need a show of hands of RAB
19 members to see if this is still an official meeting.

20 MS. PENDERGRASS: One, two, three, four, five,
21 six, seven, eight. We got eight.

22 MR. KEICHLINE: Okay.

23 MS. PENDERGRASS: Okay. All right. So
24 actually --

25 MR. KEICHLINE: If anybody leaves . . .

1 MS. PENDERGRASS: However, however, it will
2 just make sense, though, that we keep this to
3 informational only and do questions.

4 So we're going to limit this to stop at 7:30.

5 MS. ATTENDEE: 8:30?

6 MS. PENDERGRASS: Eight -- I'm sorry. 8:30.

7 So --

8 MR. ATTENDEE: What time is it now?

9 MS. L. LOWMAN: I'll do the best I can to get
10 through everything very quickly.

11 Before I start, Lea had something she wanted to
12 announce. It's radiation at Hunters Point Shipyard. It
13 is a meeting April 30th, 6:30 p.m. to 8:30 p.m., at the
14 Milton Meyers auditorium. There's an address here.
15 It's to discuss radiation and the state of the HRA at
16 Hunters Point.

17 So there's a number on this flier. You can
18 call Arc Ecology if you want more information. I'm
19 making the announcement for her. And that's to do with
20 the former na- -- naval -- you put "national," honey,
21 but it's Naval Radiological Defense Laboratory.

22 MS. LOIZOS: I didn't make the flier.

23 MS. L. LOWMAN: That's okay. The facility's
24 located at the current site of Mariner's Village. If
25 you want info, Lea has it. Okay.

1 MS. SUMCHAI: I'd like to invite Miss Loizos in
2 the future -- you know, if you have events -- events
3 like this, it would be great, you know, for us to be
4 able to have the subcommittee involved with the
5 invitation. But it's wonderful always to see Arc
6 Ecology doing good things in the community.

7 MS. LOIZOS: Thank you. Yeah, I appreciate
8 that. I -- I agree with you.

9 MR. MASON: I got a flier here.

10 MS. L. LOWMAN: I got -- okay. I got extra
11 fliers if anybody's interested.

12 Okay. We're going to move on.

13 This briefing is status of the MARSSIM
14 radiological surveys from the Phase 5 investigation.
15 I'm going to kind of go through it very quickly. It
16 involves a lot of buildings and a lot of sites. And
17 Marty is my audiovisual man with the pointer since we
18 don't have it on computer and I can't use maps that way.

19 The first ones we'll talk about are on
20 Parcel B. Parcel A, buildings and surveys are all
21 complete at this time as far as anything we have
22 currently on our status report.

23 So we'll start with Parcel B. We had
24 Building 103, Building 113-A, Building 113, Dry Dock 6,
25 and Dry Dock 6 sediment sampling. Hold on here. And

1 those were all of the ones for Parcel B that we did
2 surveys in.

3 There was Building 114 -- oh, wait. There
4 was -- no. 114, but that was an administrative building
5 and considered a nonimpacted site for radiological.

6 All of those surveys are complete. We did not
7 find any contamination. The reports are what we call
8 98 percent complete. When we say that, New World
9 Technology is doing the report.

10 When they're 95 percent complete, that means
11 that they have finished the report and they are having
12 an internal -- they have finished all the survey work
13 and are compiling the data and the report and are doing
14 the MARSSIM statistical analyses.

15 When they are 98 percent, they have finished
16 the analyses, and New World Technology is doing the
17 actual internal review before it comes to RASO.

18 So those are pretty much well done. We're
19 going along there.

20 We have Building -- whoa, whoa, whoa here --
21 Building 274 -- we'll move to Parcel D -- Building 274,
22 Building 313 and 313 alpha, Building 332, Building 351
23 and 351 alpha, Building 3 -- the area behind 351 between
24 Buildings 323 and 324, which is IR 34. We have
25 Building 351 crawlspace, Building 364 and the 364

1 crawlspace, the Building 364 trench --

2 MS. OLIVA: Pardon me. What was that?

3 MS. L. LOWMAN: Trench, trench behind 364 --

4 I'll get to these. I'll -- I'll do a little more detail
5 here in just a second -- Building 351 and 3 -- 351 alpha
6 and 364. Let's start with those.

7 274 . . . the other one. 274 is complete. The
8 report is 98 percent complete. We found no
9 contamination.

10 Doing summaries here. I'm trying to do them
11 quickly.

12 313 and 313 alpha. We found no conta- -- these
13 buildings were demolished. They are no longer there.
14 We found some -- a manhole that was in the site of the
15 313 alpha building, and there was contamination in that
16 manhole. We have removed that manhole and the
17 surrounding soil. The piping that we saw on maps that
18 connected to that we could not find. It was no longer
19 there. But the manhole has been removed, and that area
20 is 95 percent complete.

21 Building 332 we found slightly elevated levels
22 of cesium-137 and europium-152. We remediated that
23 area, and that report is 95 percent complete. The waste
24 is disposed.

25 351, let's go to Building 351. We did finish

1 the surveys in that area and found no contamination, and
2 the report is 95 percent complete.

3 The crawlspace, however, under 351 alpha we did
4 find contamination. We have removed contaminated piping
5 and soil. It has been disposed of. We finished a
6 Class 1 survey, and the report is at 95 percent.

7 Oh, jeez. The area behind 351 between 323 and
8 324 we found some elevated cesium-137. We have
9 completed characterization and remediation that is
10 95 percent complete. Jeez.

11 364 and the 364 crawlspace, we found
12 contamination throughout 364. We have remediated that.
13 We've disposed of all the waste, and the Class 1 surveys
14 are complete. The asbestos has been removed, and we are
15 at 95 percent. That report is being compiled.

16 MS. SUMCHAI: Can I just stop you just for a
17 second? When you say you found elevated cesium-137, it
18 is above background levels?

19 MS. L. LOWMAN: No. It is above 0.13 pico
20 curies per gram, which is our -- well, it is actually
21 our limit for remediation.

22 MS. SUMCHAI: So that means it's above
23 background if you're remediating.

24 MS. L. LOWMAN: No, I'm not saying it's above
25 background. I'm saying that we have an EPA -- we have

1 worked with EPA and we have established what we call a
2 PRG, or a preliminary remediation goal, of 0.13 pico
3 curies per gram. I'm not saying that 0.13 pico curies
4 per gram is background, but I'm saying that that is the
5 limit that we are remediating to.

6 MS. LUTTON: What's background?

7 MS. L. LOWMAN: It varies from site to site.
8 You'd have to look at the reference areas for each site.
9 You'd have to look at the instruments that we used to
10 take the background readings, the efficiencies of the
11 instruments, and the weather conditions of that
12 particular day. There's a lot of variance.

13 But our remediation goal, our cleanup goal, is
14 0.13 pico curies per gram of cesium. There's a very low
15 level. We cannot see that level with a survey
16 instrument. You have to do actual lab sample processing
17 to detect that level of cesium. And it is a very, very
18 low level.

19 MS. SUMCHAI: Miss Lowman, while we're going --

20 MS. PENDERGRASS: I'm going to ask you to -- to
21 continue on without the questions.

22 MS. L. LOWMAN: Right, 'cause I have a long
23 ways to go.

24 MS. PENDERGRASS: Keep going. I'm sorry.

25 MS. L. LOWMAN: Okay. All right.

1 We are 364. We remediated that. That was
2 mostly cesium contamination, although we did find some
3 radium in there also.

4 There was a contaminated pipe behind 364, and
5 we have remediated that also and finished our Class 1
6 surveys, disposed of the waste, and we are 95 percent
7 complete.

8 We have found some contamination in the
9 manholes for the storm sewer -- the storm drain system
10 and the sanitary sewer system outside of 364 on Cochrane
11 Street and in the manhole between 364 and 365. There
12 isn't really a street name there. It's more like an
13 alleyway.

14 We are tracing those lines and tracing that
15 contamination. We have not completed tracing it. We
16 don't know the extent of it, and that action is
17 currently pending.

18 365 building has been cleared. That report is
19 95 percent complete. We found no contamination in that
20 building.

21 366. That is the building that we have surveys
22 going on. They are ongoing work. We are coordinating
23 the artists in that building. We set up schedules with
24 them to have access to their -- I think we'll call them
25 cubicles. Is that what you call them? Okay. We only

1 have maybe 40 percent of that survey done. I don't have
2 all the information from that survey. But that is an
3 ongoing survey that we are currently doing.

4 Building 411, which is across the street from
5 36 -- 365, right there, very large building, we found
6 some slightly elevated levels of radium, and we found
7 them to be within the release limit for that building,
8 and that building is 95 percent complete.

9 Building 383, the only thing we found in 38- --
10 383 were some night-vision devices that were being used
11 by the police department out there and being stored in
12 that building. They had thoriated lenses in them with
13 some thorium in them. I believe we returned those to
14 the police department, didn't we? Yes. And so there
15 was no residual radiation in that building.

16 The Gun Mole piers and Piers 15, 16, 17, 18, 19
17 and 20, we have completed surveys on there. We found
18 slightly elevated levels of cesium, and we remediate --
19 remediated those areas. We have done a Class 1 survey
20 of the remediate -- remediated areas, and we consider
21 that one complete.

22 The former NRDL site, which is -- we call it
23 that because on a map, that's all it says, is "NRDL,"
24 and it's a square drawn on a 1949 map. I believe it's
25 '49, isn't it? And it's off of Mahan Street. We found

1 cesium contamination in this area. We have remediated
2 that cesium contamination and disposed of it, and that
3 one is also 95 percent complete. And that takes care of
4 Parcel D.

5 Parcel C, we have Building 211. It's -- We
6 formerly stored some low-level radioactive waste in that
7 building. We now have another storage site in Parcel E,
8 so we are releasing this building. We found one
9 slightly elevated level which we believe is thorium
10 contamination. We are going to be remediating that
11 area, and that is still in process.

12 Building 214 and 272, we have finished those.
13 We found no contamination, and those reports are
14 98 percent complete.

15 Building 224, we did Class 3 surveys in there.
16 We found one elevated sample in those; and RASO has
17 reviewed that, and we are -- we are moving forward on
18 that report.

19 Building 241, we -- that was the foundry for
20 the Shipyard. We found elevated areas that mainly
21 contain firebrick or potassium nitrate. We have removed
22 the firebrick and the potassium nitrate, completed our
23 surveys, disposed of the waste. We are 95 percent
24 complete.

25 Building 253, we are working extensively in

1 that building. We have found contamination on every
2 floor. We are currently removing the ventilation system
3 off of the third floor. We found a calibration range on
4 the third floor. There seems to be radium or cesium
5 contamination at various levels in the building. There
6 is some on a ledge outside the building. Work on that
7 is ongoing.

8 Do we have a percentage at all, Daryl? Maybe
9 20 percent?

10 MR. DeLONG: [Nodding] Maybe.

11 MS. L. LOWMAN: Yeah? Maybe?

12 We still have a lot. It's a very, very large
13 building, and we still have a lot of work to do in that
14 building.

15 MS. OLIVA: I really need to ask a question.

16 MS. L. LOWMAN: No, no, no. Let me try to get
17 through this, please.

18 Building 271 we did -- found some radium
19 contamination, and we removed that, disposed of the
20 waste, finished the Class 1 survey. We are clean on
21 that one. We are at 98 percent on the report.

22 Okay. Dry Dock 2, we found some radium devices
23 on -- on the dry docks, Dry Docks 2, 3, and 4. All of
24 those, they were hand-powered phone jacks that had a
25 radium -- radioluminescent device associated with them.

1 We have removed those, did the surveys for those dry
2 docks, and those are complete. We found no other
3 contamination.

4 Building 40- -- we are moving on to Parcel E.
5 We are making great progress.

6 Building 406, we found elevated levels of
7 radium 226. We have characterized and remediated that.
8 And now we are using that building for storage of
9 low-level radioactive waste. So that building is not
10 being released at this time.

11 Building 414. Find 414 for me. Thank you.
12 Class 3 surveys are complete. We have to remove some
13 gravel and do some additional investigation and -- no.
14 I take it back. We did do the additional investigation.
15 No elevated levels were found, and we are doing the
16 final report.

17 The buil- -- The 500 building series.
18 Building 500. These buildings are all demolished. But
19 the foundations of the buildings remain at the site. We
20 have 507, 506, 508, 509, 510 and 510 alpha --

21 MR. BROWN: Can you say that again?

22 MS. L. LOWMAN: Okay. 506, 507, 508, 509, 510,
23 510 alpha, 517, 520, 529, shack 79, and shack 80.

24 MR. OFFENHAUER: They are all in this area
25 [indicating].

1 MS. L. LOWMAN: They are all in that one area.
2 They -- These are all torn down. The building -- The
3 500 building -- buildings' foundations are still there.

4 Originally we did some Class 3 surveys on these
5 sites. We found contamination on the 501 si- -- 507
6 site. Excuse me. And we have found additional
7 historical information on all of those sites. We are
8 going back to do Class 1 surveys on those sites.

9 We have found contamination with radium in it
10 around the 520 site, and we are only at 10 percent
11 complete on those sites. They are in Parcel E. Those
12 were the main buildings for NRDL before they moved into
13 815.

14 There's a underground storage tank area.
15 There's piping throughout the area that we are going to
16 have to look at. That's going to take a considerable
17 amount of effort to get those finished.

18 Building 701 site, which means building's
19 demolished. We completed a Class 3 survey. No elevated
20 levels were found. And that report is in its final
21 stages.

22 Building 704 and the animal pens. This was
23 found on an old map. It was where they stored
24 radioactive material and animals used by NRDL before
25 they moved it over by the 500 buildings. So this is

1 when they were very first doing their work. We have not
2 started surveys on that site yet. So we're at -- we're
3 at zero percent for that site.

4 Building 707. Okay. There's a 707 area, we
5 call it. There's a 707 triangle. We call it a triangle
6 because it's boarded by streets on three sides that
7 forms a triangle.

8 So there is the Building 707. There's the
9 Building 707 concrete pad which had some animal pens and
10 things associated with it. There's the actual triangle
11 itself, which is all the remaining property. And there
12 are the drain lines associated with that property.

13 The Building 707 itself has been surveyed, and
14 the asbestos has been removed. We found no
15 contamination in that building, and it is 95 percent
16 complete.

17 The concrete pad, we have remediated three
18 areas previously. We have mowed the area, removed
19 debris, and completed surveys. And we have found some
20 elevated cesium levels underneath the concrete pad.

21 The triangle, we are still working on that one.
22 We are at 75 percent complete. And we are preparing
23 maps with correlated data so that we can do a better
24 review of the information.

25 We have found some contamination in the 707

1 drain lines. There were drain lines that came from the
2 pens and from that area. We are having a problem
3 tracing those lines because they are broken. They are
4 actually physically broken, and we can't get the trace
5 through, so we're going to have to regroup on that one
6 and figure out what we're going to do. We're at
7 10 percent complete on that action.

8 THE REPORTER: Excuse me.

9 MS. L. LOWMAN: She has to change paper, and I
10 have to get a drink of water.

11 MS. SUMCHAI: Quickly, is the --?

12 THE REPORTER: We're not on the record.

13 (Reporter refills paper tray during
14 off-record colloquy.)

15 MS. L. LOWMAN: Okay. We are ready.

16 Building 708 is right there near there. We
17 have finished that report, found -- did the surveys,
18 found no contamination.

19 Building 810 and the loading dock of 810 and
20 surrounding area: We have contamination surrounding the
21 loading dock. We are going back into that building and
22 surveying again a cesium contamination.

23 IR-121. We have finished the characterization
24 survey of that -- of that area, including the landfill
25 cap. We have maps that were -- RASO is looking at. We

1 are going to have to go and remove some devices. So we
2 are at 80 percent. We have not done any remediation
3 there yet.

4 IR-02, it's a big bay fill area. There -- We
5 know there's a radium dial disposal area in there. We
6 have not started any work on that one. It's a very
7 large area. It will take us a considerable amount of
8 time to get that characterized and remediated.

9 IR-04, that is the former scrap yard. We have
10 found cesium and radium contamination in this area. We
11 are continuing to work on it. It's about 40 percent
12 complete. We keep finding more contamination, so that
13 area keeps growing and growing and getting bigger,
14 because we find contamination on the boundary on the
15 outside boundary so we expand it by 10 meters.

16 MS. OLIVA: What parcel is that, Laurie?

17 MR. BROWN: "E."

18 MS. L. LOWMAN: That would be "E."

19 And the last, but not least, is the shoreline.
20 It's approximately a mile and a half of shoreline that
21 runs from the finger piers at the south up into Yosemite
22 Creek. We have done characterization on that survey,
23 but we have -- on the shoreline, excuse me, but we have
24 not started any remediation yet. We have found some
25 elevated levels throughout the shoreline at various

1 locations.

2 MS. OLIVA: Question.

3 MS. PENDERGRASS: Okay. Take a break -- a
4 breath.

5 MS. L. LOWMAN: I got it.

6 MS. PENDERGRASS: Okay. It is now 8:30
7 and . . . question, but also Dr. Sumchai. Do that real
8 quick?

9 MS. OLIVA: Okay.

10 MS. PENDERGRASS: Quick one question.

11 MS. OLIVA: Your boss that came out here, the
12 nice man --

13 THE REPORTER: I'm sorry. Would you start
14 over.

15 MS. OLIVA: Your boss, Commander Fragoso, who
16 came out here, stated that -- make sure I've got the
17 right building here -- 253 is the telescope building; am
18 I correct?

19 MS. L. LOWMAN: [Nodding].

20 MS. OLIVA: That the process of doing that kind
21 of remediation would be a form of scraping of some sort?
22 He guaranteed us in that meeting that it would be
23 tented, and we haven't seen any tent, any tents. We
24 have seen a lot of bins up there. And you know, there's
25 an incredible wind that comes this way [indicating], and

1 we are Shipyard tenants.

2 Next question. I have one more question.

3 MS. PENDERGRASS: You said one.

4 MS. OLIVA: I'm sorry.

5 MS. PENDERGRASS: Let her -- let her answer
6 that while you're --

7 MS. OLIVA: Okay. I'll get you --

8 MS. PENDERGRASS: We'll come back to you. I
9 promise.

10 MS. L. LOWMAN: That's what I get for sending
11 the boss, you know. I don't know anything about a tent.
12 Pretty much the work we are doing inside the
13 building is contained. We are removing vents right now
14 and pieces of equipment with contamination on them.
15 They are wrapped in plastic before they leave the
16 building. Right now I don't see any reason that we
17 would be tenting anything for the work that we are doing
18 right now.

19 MS. OLIVA: Because of the wind flow and
20 because of the area where there was a vent of some sort
21 in the roof and the way --

22 MS. L. LOWMAN: We are not working on the roof
23 right now. We are working on the third floor. So --

24 MS. OLIVA: Why are the bins on the roof?

25 MS. L. LOWMAN: We don't have bins on the roof.

1 MR. MARTIN: There are no bins on the roof.
2 They may be part of the building.

3 MS. L. LOWMAN: They are parked down on the
4 ground level.

5 MS. OLIVA: There's lumps on the roof.

6 MS. L. LOWMAN: There's lumps on the roof?

7 MS. OLIVA: Lumps.

8 MS. L. LOWMAN: Well, the bins are really big.

9 MS. OLIVA: Well, these are really big and they
10 are blue.

11 MS. L. LOWMAN: On the roof, Daryl? 253 on the
12 roof. Do you have bins on the roof?

13 MR. DeLONG: No. There's another little
14 building that goes up.

15 MS. OLIVA: Well, these are multiple -- or they
16 were there. I'll just put it there.

17 MR. BROWN: Right, right.

18 MS. OLIVA: They were there.

19 MS. L. LOWMAN: We did do some scraping on the
20 roof.

21 MS. OLIVA: Okay. Now, there we go.

22 MS. L. LOWMAN: We did do a remediation on the
23 roof. Everything was bagged and controlled.

24 MS. OLIVA: It's not a question of being bagged
25 and controlled. Any scraping that's done we were

1 guaranteed by Commander Fragoso --

2 MS. L. LOWMAN: Oh, yeah?

3 MS. OLIVA: -- that it would be tented because

4 of the wind flow and because we are down hill from all

5 that. There's 300 of us that are downwind from that.

6 MS. L. LOWMAN: Okay. I have not read the

7 transcript from that. Do you have what he said?

8 MR. KEICHLINE: I do.

9 MS. L. LOWMAN: Oh, that would be wonderful.

10 MR. KEICHLINE: Section here. He said normally

11 it's done in a tent.

12 MS. L. LOWMAN: Okay. Normally it's done

13 inside a tent to remove -- to con- -- contain the dust.

14 MS. OLIVA: The dust is the most important

15 thing that we have to deal with here.

16 MS. L. LOWMAN: Okay.

17 MS. PENDERGRASS: So is that something --?

18 MS. L. LOWMAN: Are we doing air monitoring?

19 MR. DeLONG: Yes, continuous.

20 MS. L. LOWMAN: Yeah, we do continuous air

21 monitoring.

22 MS. OLIVA: But we don't know what the air

23 monitoring results are because --

24 MS. L. LOWMAN: But they will be in the report

25 when it comes out.

1 MS. OLIVA: That's all well and good if this is
2 done. But we have been in our studios during this whole
3 period.

4 MS. L. LOWMAN: Okay. Well, we haven't been
5 working there very long.

6 MS. OLIVA: It doesn't matter.

7 MS. L. LOWMAN: Well, let me finish. I
8 understand that -- your concern. I really do.

9 MS. OLIVA: Yeah.

10 MS. L. LOWMAN: Right now, you know, I can't
11 address what he said prior.

12 Right now the work that we are doing currently
13 is inside the building. Everything is being wrapped
14 before it leaves the building.

15 I can't -- I can't imagine -- Having just been
16 up there yesterday and walking the work site, I can't
17 see a way where the contamination could leave the inside
18 of the building unless it is wrapped and put directly
19 into the containers.

20 MS. OLIVA: Okay, but I'd like you to check on
21 the scraping that was --

22 MS. L. LOWMAN: I will check on the scraping --

23 MS. OLIVA: And -- okay, and that --

24 MS. L. LOWMAN: -- and the air monitoring that
25 was done --

1 MS. OLIVA: The air monitoring and potassium --

2 MS. PENDERGRASS: All right. So -- so perhaps

3 we can make sure that that's covered or addressed in --

4 when -- the next month --

5 MS. L. LOWMAN: Right, right.

6 MS. PENDERGRASS: -- their questions.

7 One last question, and I think Dr. Sumchai had

8 that question.

9 MS. SUMCHAI: Oh, I will defer to Jesse. I

10 want to restate a concern about the standard clearance,

11 why pick a standard, you know, that is currently being

12 for the inside building.

13 MS. L. LOWMAN: For the inside of the building?

14 MS. SUMCHAI: Yes.

15 MS. L. LOWMAN: Okay.

16 MR. MASON: Maybe I'll give you a way out of

17 it, because we usually do some scraping sometimes for

18 pesticides keeping it from going outside. What we do is

19 we plastic the windows. Did you guys do any of that?

20 MS. L. LOWMAN: No, not for the work we are

21 doing right now.

22 MS. OLIVA: Inside.

23 MS. L. LOWMAN: It is in -- inside a room

24 inside a room inside a building. I mean, this is not

25 in -- even in an open area that you -- wind would blow

1 through.

2 I have been through this building just
3 yesterday, and we will be taking the material out of the
4 building through a window because the elevator is no
5 longer operational. As a matter of fact, it crashed.
6 It actually fell one day when Triple A was using it.
7 But it's no longer operational. So it will be coming
8 out through the window, but it will be wrapped when it
9 comes out.

10 MS. OLIVA: And can I also ask --

11 MS. PENDERGRASS: No. Miss Oliva, one moment.
12 First of all, you -- one of your -- I guess --

13 MS. L. LOWMAN: This is Daryl.

14 MS. PENDERGRASS: He had to clarify it, and
15 then that's the end of our questions tonight. I think
16 you all are welcome to talk with Miss Lowman after here.

17 MR. DeLONG: They can probably hear me.

18 I -- I'd just like to clarify something for
19 you. The ventilation system that we are currently
20 working on is within a room that is contained, and we
21 are drawing HEPA ventilation into the room, and we're
22 conducting air sampling, and the people are wearing
23 protection.

24 MS. OLIVA: I'm looking at the roof scraping.

25 MR. DeLONG: The roof was very low-level

1 contamination. It was confined in the roofing material.

2 MS. L. LOWMAN: I will look into it and I'll
3 let you know. I will try to get that information for
4 you.

5 MS. PENDERGRASS: Thank you all for your
6 patience, and thank you for the presenters who stayed
7 over. Thank you.

8 (Off record at 8:35 p.m., 4/24/03.)

9 ---oOo---

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 _____ day of _____, ____.

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