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HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD

REPORTER'S TRANSCRIPT OF MEETING

APRIL 27, 2006

City College of San Francisco
Southeast Campus
1800 Oakdale Avenue, Room 313
San Francisco, California

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

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1 REGULATORS

2

3 AMY D. BROWNELL - San Francisco Department of Public

4 Health

5 JACQUELINE ANN LANE - U.S. Environmental Protection

6 Agency (EPA)

7 TOM P. LANPHAR - California Department of Toxic

8 Substances Control (DTSC)

9 MICHAEL WORK - U.S. Environmental Protection Agency

10 (EPA)

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1 PARTICIPANTS

2

3 FACILITATOR:

4 MARSHA PENDERGRASS - Pendergrass & Associates

5 CO-CHAIRS:

6 (Interim) G. PATRICK BROOKS - United States Navy

7 BARBARA BUSHNELL - Residents of the

8 Southeast Sector (R.O.S.E.S.), Silverview Terrace

9 Homeowners Association, Bayview-Hunters Point resident

10

11 RAB MEMBERS

12

13 PATRICIA BROWN - Shipyard artist

14 CHARLES L. DACUS, SR. - Bayview-Hunters Point resident,

15 Residents of the Southeast Sector (R.O.S.E.S.)

16 JAMES MORRISON - Environmental Technology, Residents of

17 the Southeast Sector (R.O.S.E.S.)

18 MELITA RINES - India Basin Neighborhood Association

19 KEITH TISDELL - Bayview-Hunters Point resident

20 RAYMOND J. TOMPKINS - Bayview-Hunters Point Coalition on

21 the Environment

22 ROBERT VAN HOUTEN - Morgan Heights Homeowners

23 Association

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1 AUDIENCE

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3 WAYNE AKIYAMA - Shaw Environmental

4 BILL DOUGHERTY - Tetra Tech ECI

5 STEVE EDDE - Innovative Technical Solutions, Inc.

6 (I.T.S.I.)

7 ROBERT FERRY - CE2 Corporation

8 MIGUEL GALARZA - Yerba Buena Engineering & Construction,

9 Inc. (YBE)

10 STEVEN HALL - Tetra Tech EMI

11 CAROLYN HUNTER - Tetra Tech EMI

12 CHEIN KAO - Arc Ecology

13 ED KILDUFF - CE2 Corporation

14 MELANIE KITO - United States Navy

15 JOEL McCCLURE - W. J. Robinson & Associates, Inc.

16 KEVIN McCORRY - AVHQ

17 RALPH PEARCE - United States Navy

18 JOHN SINGLEY - Assistant

19 PETER STROGANOFF - United States Navy ROICC Office

20 JULIA VETROMILE - Tetra Tech EMI

21 ANGELA WILLIAMS - Barajas & Associates, Inc. (BAI)

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1 SAN FRANCISCO, CALIFORNIA, THURSDAY, APRIL 27, 2006
 2 6:01 P.M.
 3 --oOo--
 4 MS. PENDERGRASS: Let's call the meeting to
 5 order. Welcome, everybody, and good evening and welcome
 6 to the Hunters Point Shipyard Restoration Advisory Board
 7 meeting for Thursday, April 27, 2006.
 8 I'm Marsha Pendergrass. I'm your host for this
 9 evening's festivities. We're in for a treat tonight.
 10 We have some wonderful presentations and performers -- I
 11 mean presentations tonight.
 12 On our agenda tonight, we have groundwater
 13 monitoring; we have a wonderful, exciting EPA
 14 presentation; and we have our very own Jackie Lane
 15 coming to us tonight talking about the TAG grant.
 16 MS. LANE: Two minutes.
 17 MS. PENDERGRASS: Now, I know we can hardly
 18 wait, but let's start with the beginning of our agenda
 19 tonight. Let's look at the agenda. We have got that.
 20 And let's talk about introductions.
 21 So I'm Marsha Pendergrass, and to my right we
 22 have . . . ?
 23 DR. TOMPKINS: I'm going to check the water
 24 first. There's a couple of scientists in the room. I'm
 25 the neutral.

1 in the front row.
 2 MS. LANE: Jackie Lane, EPA.
 3 MS. PENDERGRASS: Jackie Lane, EPA.
 4 MR. DOUGHERTY: Bill Dougherty, Tetra Tech.
 5 MS. PENDERGRASS: Bill.
 6 MR. KILDUFF: Ed Kilduff, CE2 Corporation.
 7 MS. PENDERGRASS: Bill Duff?
 8 MR. KILDUFF: Ed Kilduff.
 9 MS. PENDERGRASS: Ed -- say it again.
 10 MR. KILDUFF: Ed Kilduff is the last name.
 11 MS. PENDERGRASS: Ed Kilduff, and who are you
 12 with?
 13 MR. KILDUFF: CE2 Corp., groundwater
 14 consultants.
 15 MS. PENDERGRASS: CE2 Corp.
 16 MR. FERRY: Bob Ferry with CE2.
 17 MS. PENDERGRASS: Bob Ferry with CE- --
 18 MR. FERRY: CE2.
 19 The reason I'm repeating it is not because I'm
 20 dyslexic or have a problem. I'm trying to make sure
 21 that our recorder gets it exactly right.
 22 MR. McCLURE: Joel McClure, W. J. Robinson &
 23 Associates and also Bayview resident.
 24 MS. PENDERGRASS: Joel, what was the last name
 25 again?

1 Dr. Raymond Tompkins.
 2 MR. WORK: I'm Michael Work with U.S. EPA.
 3 MR. MORRISON: James Morrison, community.
 4 MS. BUSHNELL: Barbara Bushnell, community
 5 co-chair.
 6 MR. BROOKS: I'm Pat Brooks, Navy's lead
 7 Remedial Project Manager at the Shipyard.
 8 MR. DACUS: Charles L. Dacus, Sr., ROSES and
 9 resident.
 10 MR. LANPHAR: Tom Lanphar, California
 11 Department of Toxic Substances Control.
 12 MR. VAN HOUTEN: Robert Van Houten, Morgan
 13 Heights Homeowners Association.
 14 MS. BROWN: Patricia Brown, Shipyard artist.
 15 MR. SINGLEY: John Singley, assistant.
 16 MS. PENDERGRASS: I didn't hear that.
 17 MR. SINGLEY: Assistant John Singley.
 18 MS. PENDERGRASS: John Singley. Right behind
 19 you.
 20 MS. WILLIAMS: Angela Williams, Barajas &
 21 Associates.
 22 MS. PENDERGRASS: Let's go right here in front.
 23 MS. VETROMILE: Julia Vetromile, Tetra Tech
 24 EMI.
 25 MS. PENDERGRASS: Okay. And we can start right

1 MR. McCLURE: McClure.
 2 MS. PENDERGRASS: McClure, okay.
 3 MR. STROGANOFF: Hi. I'm Peter Stroganoff with
 4 the Navy ROICC Office.
 5 MS. PENDERGRASS: Okay, Peter.
 6 MS. KITO: Melanie Kito, Navy RPM.
 7 MS. PENDERGRASS: Thank you, Melanie.
 8 MR. PEARCE: Ralph Pearce, Navy Remedial
 9 Project Manager.
 10 MS. PENDERGRASS: Thank you, sir.
 11 MR. KAO: Chein Kao, Arc Ecology.
 12 MR. EDDE: Steve Edde, I.T.S.I.
 13 MS. PENDERGRASS: Steve Edde. Okay.
 14 MS. HUNTER: Carolyn Hunter, Tetra Tech EMI.
 15 MR. HALL: Steven Hall, Tetra Tech EMI.
 16 MS. PENDERGRASS: Hi, Steven.
 17 All right. We have got a sound person back
 18 there. He's been working diligently.
 19 Would you like to let everybody know who you
 20 are?
 21 MR. McCORRY: Kevin McCorry, AVHQ.
 22 MS. PENDERGRASS: Great. Oh, we're having such
 23 fun already, aren't we? All right. Let's talk about
 24 the minutes from last meeting.
 25 As you recall, some of us were here on

1 March 23rd. We had a wonderful time as well. For those
 2 of you who weren't here, you missed a fun time.
 3 So I'd like to make sure that everybody had a
 4 chance to read the minutes. Anybody have any thoughts
 5 about those minutes that they'd like to share?
 6 MS. BUSHNELL: I think they're fine.
 7 MS. PENDERGRASS: Well, gee, what do I need?
 8 MS. BUSHNELL: I'll make a motion to approve
 9 the minutes.
 10 MS. PENDERGRASS: All rightie.
 11 Do we have a second?
 12 MR. DACUS: Second.
 13 MS. PENDERGRASS: And we have a second from
 14 Mr. Dacus.
 15 Did I say that right? Dacus.
 16 MR. DACUS: Dacus.
 17 MS. PENDERGRASS: Dacus.
 18 All rightie, then. I'll call for question.
 19 All in favor of accepting the March 23rd, 2006, RAB
 20 meeting minutes into our official record, signify by
 21 saying, "Aye."
 22 THE BOARD: Aye.
 23 MS. PENDERGRASS: Any opposed? Any
 24 abstentions?
 25 We have one abstention, Mr. Tompkins.

1 carry on in his stead?
 2 Mr. Morrison, would you like to address that?
 3 MR. MORRISON: I have not been contacted by
 4 either Mr. Mason or Mr. Hanif.
 5 MS. PENDERGRASS: Well, slap your knee.
 6 MR. MORRISON: That's about all I can say.
 7 MS. PENDERGRASS: H'm. So how should we
 8 proceed with that? Should we leave it on? cross it off?
 9 MR. MORRISON: Just cross it off.
 10 MS. PENDERGRASS: And just forget it ever
 11 happened?
 12 MR. MORRISON: Yes.
 13 MS. PENDERGRASS: The whole purpose of action
 14 items is so things don't fall through the cracks. This
 15 is one of those we pushed off the curb.
 16 Should we follow up on it, though? I'm serious
 17 about that.
 18 MR. MORRISON: I'll explain that during the
 19 Economic Committee report.
 20 MS. PENDERGRASS: All right. So at the
 21 direction of Mr. Morrison, let the record reflect that
 22 Carryover Item No. 2, which was brought by Mr. Hanif,
 23 will be removed from the action item list.
 24 MR. MORRISON: That's No. 3.
 25 MS. PENDERGRASS: It was No. 2.

1 Thank you very much. The ayes have it, so
 2 those will be entered into record.
 3 Let's follow up with some of the action items
 4 that we listed last month, and let's start with
 5 Carryover Item No. 1. The Navy will schedule a RAB
 6 field trip in June 2006 to visit the Parcel C RU-C1
 7 treatability study site.
 8 MR. BROOKS: Okay. And this treatability study
 9 is scheduled to be started about mid June, so I'd like
 10 to schedule the exact date during the May RAB meeting.
 11 I want to carry this one over till May.
 12 MS. PENDERGRASS: Okay.
 13 Any objection by any member?
 14 All right, then. We'll leave that as a
 15 carry-on item to resurface again in May.
 16 Moving to Item No. 2, Mr. Hanif of Young
 17 Community Developers to meet with Mr. Morrison and James
 18 [sic] Mason to debrief on the Economic Subcommittee and
 19 schedule the next meeting.
 20 Is Mr. Hanif here?
 21 DR. TOMPKINS: Nope.
 22 MS. PENDERGRASS: I thought I saw his smiling
 23 face.
 24 MS. BUSHNELL: He was here.
 25 MS. PENDERGRASS: Well, does anybody want to

1 MR. DACUS: Number 2.
 2 MS. BUSHNELL: Number 2.
 3 MR. MORRISON: It says No. 3 on mine.
 4 MS. PENDERGRASS: Are you looking at this
 5 here? Look on the last page.
 6 MR. MORRISON: Oh. I was looking
 7 [indicating]. Sorry. Wrong one.
 8 MS. PENDERGRASS: All rightie, then.
 9 MR. DACUS: Action items.
 10 MR. MORRISON: Okay. All right. I'm back on
 11 track.
 12 MS. PENDERGRASS: Truly are we all on the same
 13 page? Okay.
 14 Action Item No. 3, the Navy will provide the
 15 RAB, U.S. EPA, DTSC, and the San Francisco Bay Regional
 16 Water Quality -- what does the "C" stand for?
 17 MR. ATTENDEE: Control Board.
 18 MS. PENDERGRASS: -- Control Board a list of
 19 the Hunters Point Shipyard priority projects in 2006,
 20 including projects that overlap into 2007. And
 21 Dr. Tompkins brought that forward.
 22 Dr. Tompkins?
 23 DR. TOMPKINS: Excuse me. I'm munching on
 24 dinner.
 25 I did receive this evening before I walked into

1 the meeting a copy from the Navy, and there have been
 2 attempts to for me -- and my computer is in the shop,
 3 and so it's been down.
 4 Tom, Mike, have you received any copies from
 5 the Navy --
 6 MS. LANPHAR: (Shakes his head.)
 7 MS. PENDERGRASS: -- on that? because I'd like
 8 to confer with you next week, hoping my computer is up.
 9 Pat, could you see that they get a copy? And
 10 thank you for giving it to me.
 11 MR. BROOKS: Yeah, I'll talk with Keith
 12 tomorrow and make sure this gets out.
 13 MS. PENDERGRASS: All right. So I'll tell you
 14 what we're going to do. We're going to leave that one
 15 on there, and we'll resolve that just to make sure it
 16 does get followed up by the next meeting.
 17 Is that all right with you, Dr. Tompkins?
 18 DR. TOMPKINS: Pat, I'd like to add one more
 19 person to get a copy at Arc Ecology, Mr. Ken Chow [sic]
 20 get a copy of that as well, so I can concur with
 21 everybody in terms of the priority and what is
 22 important.
 23 MS. PENDERGRASS: All right. So it's my
 24 understanding we're going to amend this action item to
 25 add one more distribution person?

1 okay. So that will continue.
 2 Number 5, Mr. Ponton of the Regional Water
 3 Quality Control Board to provide a presentation on its
 4 activities for the Shipyard at the April 27 RAB
 5 meeting.
 6 Isn't that today?
 7 MR. WORK: Could I respond to that, if I may?
 8 MS. PENDERGRASS: Certainly.
 9 MR. WORK: Jim had to go back East on family
 10 business. And if the RAB remembers, all three
 11 regulatory agencies were going to take a [noisy
 12 interruption] explaining --
 13 THE COURT REPORTER: Were going to take a what?
 14 Wait. I didn't hear, the background. Take a what?
 15 MS. PENDERGRASS: Each of the agencies --
 16 MR. WORK: All three regulatory agencies were
 17 going to explain their role to the RAB; and we had three
 18 different dates, and Jim asked me to trade with him. So
 19 I'm prepared to talk about EPA's role tonight --
 20 MS. PENDERGRASS: Tonight, okay.
 21 MR. WORK: -- in lieu of Jim.
 22 MS. PENDERGRASS: And so Jim's will be when?
 23 MR. WORK: My slot was next month, so I'm
 24 assuming that he'll do it then.
 25 MS. PENDERGRASS: Okay. Well, can I ask a

1 MR. MORRISON: I think --
 2 DR. TOMPKINS: And the Board as well plus my
 3 own copy as well.
 4 MR. MORRISON: Everyone on the Board should
 5 have a copy.
 6 DR. TOMPKINS: That was included. That
 7 was . . .
 8 MS. PENDERGRASS: No one else on the RAB got
 9 it?
 10 DR. TOMPKINS: No. I only got the hard copy,
 11 and Pat just gave it to me.
 12 MS. PENDERGRASS: All right.
 13 DR. TOMPKINS: That should be continued.
 14 MS. PENDERGRASS: So, Mr. Brooks, can we put
 15 you, slash, Mr. Forman to make sure this gets --
 16 MR. BROOKS: You betcha.
 17 MS. PENDERGRASS: -- handled?
 18 MR. BROOKS: Yeah.
 19 MS. PENDERGRASS: All right. Very fine.
 20 Action Item No. 4, the Navy will schedule a
 21 Hunters Point Shipyard Environmental 101 class on a
 22 Saturday in April 2006 once at least three community
 23 members join the RAB. So --
 24 MR. BROOKS: We're waiting for No. 3.
 25 MS. PENDERGRASS: We are waiting for No. 3,

1 favor, then, Mr. Work? Can you make sure that he knows?
 2 MR. WORK: Oh, yeah.
 3 MS. PENDERGRASS: Thank you.
 4 MR. WORK: Yeah, he knows.
 5 MS. PENDERGRASS: And we won't require that he
 6 bring any doctor's note tonight. All right. Real
 7 good.
 8 Anything else? action items that I may have
 9 overlooked?
 10 Okay. We'll move on with the agenda.
 11 And Mr. Brooks, would you like to start with
 12 the Navy announcements?
 13 MR. BROOKS: Okay. Yeah, sure. Keith's in
 14 Washington, D.C., this week. So I'll be running the RAB
 15 meeting. He's at a returning reservist from Iraq, the
 16 conference there, where only 20 people from the country
 17 were invited. And so he's discussing those activities
 18 that occurred over there. He'll be back tomorrow, and
 19 then we'll work through these action items, make sure
 20 the RAB gets the priority project list.
 21 Second is, weather, it looks like it's finally
 22 broke in San Francisco. Recall, our field work had been
 23 slowed down for some time. March was very rainy.
 24 February was not much better, and -- but we're back on
 25 track now.

1 We were out at the removal action sites, and
 2 all four of them were working. So just happy that
 3 that's occurring and kind of happy to be back in the
 4 business of cleaning up the Shipyard instead of watching
 5 the weather forecast.

6 And that's going to do it for Navy
 7 announcements. Thank you.

8 MS. PENDERGRASS: Oh, very good.
 9 Miss Bushnell.

10 MS. BUSHNELL: Thank you. Yeah, this is really
 11 loud.

12 First of all, welcome to this monthly meeting.
 13 There are actually many, many things happening this year
 14 out at the HPS Shipyard, given all of the data I've been
 15 getting almost daily from the Navy, CDs in copious
 16 quantities.

17 MS. PENDERGRASS: Share.

18 MS. BUSHNELL: Yes. Well, that's what we're
 19 about to do here.

20 If you've been out by the Shipyard recently,
 21 you may have noticed dramatic changes as you go in there
 22 with the changes in what used to be Parcel A. It's
 23 really disorienting almost.

24 But the RAB as a unit, I think, needs to remain
 25 focused on the remediation out there. Parcel B is sort

1 Occasionally somebody may be late or leave early; but if
 2 you're only staying 15 minutes, I don't think that
 3 amounts to attendance at a meeting. So you really need
 4 to know that it would be honorable to your commitment to
 5 the community and your honor to communicate to your
 6 fellow community to be at the full two-hour RAB meeting.

7 And I'm also going to ask to announce that
 8 Chris Hanif wanted to let the RAB know that he has
 9 enjoyed working with the RAB, but he is resigning
 10 because he has moved on in his career, and he lives in
 11 Oakland. He thanks the community for all of their great
 12 work.

13 And that's it.

14 MS. PENDERGRASS: All rightie, then.

15 Any other comments?

16 All right. Then we'll move forward in the
 17 agenda and have this bated breath that we are waiting
 18 for with the groundwater-monitoring program presentation
 19 by Mr. Pat Brooks.

20 No round of applause . . . No nothing.

21 MR. BROOKS: It's been kind of a while since we
 22 have done a groundwater update. So I wanted to share
 23 with you what's been going on with the groundwater
 24 program and just remind you what we have been doing over
 25 the last couple of years and some of the things that we

1 of the next one we're looking at, and they are coming
 2 out with the TMSRA, the Technical --

3 Do it for me.

4 MR. BROOKS: Technical Memorandum in Support of
 5 a ROD Amendment for --

6 MS. BUSHNELL: In other words, they have to --
 7 the ROD that they had originally put in 1997 was
 8 basically dig everything up and throw it out, and they
 9 now know there's other remediations that can be done.
 10 And so that's a draft proposal out there that's just --
 11 that has just come out, March 28. So we need to look at
 12 that.

13 Equally important, I think, is the fact that we
 14 have gotten our regulators to give us presentations to
 15 let us understand what they do, and it's very important
 16 'cause they are working for us.

17 Since I have had the ability to go to these BCT
 18 meetings, BRAC Closure Team meetings, that are once a
 19 month, I've really had the experience of seeing how
 20 they -- how closely they have to work. And they really
 21 do care, and their concerns are important to us. And we
 22 are recruiting new RAB members. We are trying to do
 23 that.

24 And as a RAB member, you are committed to
 25 attend this once-a-month meeting. It's two hours.

1 plan to do in the future and some of the impacts that
 2 the work that we have planned this summer are going to
 3 have on the groundwater-monitoring program and the steps
 4 that we are taking to minimize those impacts.

5 So I titled it "Treatability Studies and Future
 6 Work" because I talk quite a bit in here about our
 7 treatability studies that we've conducted. And then the
 8 future work that I allude to is the Parcel B sewer work
 9 where we are going to take out about 5 miles of sewer
 10 line and storm drain line; and, of course, it will
 11 affect some of our groundwater wells.

12 So I kind of outline here. I want to talk
 13 about why the Navy conducts treatability studies, look
 14 at the progress and some recommendations from the
 15 treatability study areas.

16 And we have done treatability studies at
 17 several different sites. Get my pointer going here. We
 18 have RU-C1. We have got a chlorinated solvent plume out
 19 here on this peninsula here. RU-C4, down here sort of
 20 by Dry Dock No. 4, again, a solvent plume.

21 And this was a -- our fire iron injection over
 22 here. This is the one we'll have the field trip on
 23 probably late June, early July. This is a biological
 24 treatability study, similar to the one we conducted here
 25 at Building 134. And then the one we conducted at

1 Building 123 in Parcel B, that was another iron
 2 injection.
 3 I want to talk about the impacts that we are
 4 going to have on the whole groundwater-monitoring
 5 program from our planned sewer excavation and then just
 6 look at some of the additional monitoring wells we
 7 propose and kind of clue the RAB into one important
 8 report to look at where we recommend some additional
 9 wells and provide some reasoning for that.
 10 Okay. Why do we conduct treatability studies?
 11 Well, groundwater cleanup can be pretty complicated at
 12 the Shipyards. Over half of it's probably fill material
 13 down in the aquifer; and then we have this serpentinite
 14 bedrock, and we have sandy bedrock, and we have
 15 conditions where one aquifer is separated from another
 16 by a clay layer.
 17 So it's complicated. We have a variety of
 18 contaminants, and that makes it complicated also. So we
 19 like to test technologies.
 20 And the technologies that we test, some of them
 21 are brand new. Some of them are kind of tried and true,
 22 but they -- the way they interact in the subsurface is
 23 different at each site. So we like to test the
 24 technologies at each site to make sure that they are
 25 going to work.

1 they are located.
 2 Again, the C5 -- and this is because -- "C" is
 3 for Parcel C. This is where an old degreaser was, and
 4 we have some solvent here, and we have also the --
 5 The solvent wants to take the grease and the
 6 carbon off the ship parts before they are repaired or
 7 retooled. So we have the solvent, which removes the
 8 grease. And then if you have a leak or a spill or
 9 whatnot, then you got all the grime and stuff that came
 10 off of these parts also that get into the soil and in
 11 the groundwater.
 12 So here we have a good mix of contaminants:
 13 RU-C1 over here in this peninsula area here, here at
 14 RU-C4 where we did our first iron injection; and then
 15 over here at RU-C2 where we haven't actually got around
 16 to doing any treatability studies yet, we have
 17 chlorobenzene and vinyl chloride. Those are our major
 18 contaminants here.
 19 So we'll -- I'll talk about each one kind of in
 20 sequence.
 21 RU-C1 is the treatability study that we plan to
 22 kick off in June. The work plan was submitted at the
 23 end of March. We'd like to get some comments back by
 24 May 17th, and then we'll finalize our work plan toward
 25 the end of May and try and get out in the field mid

1 And when we review these reports, then the RAB
 2 and the regulatory agencies and the Navy get a better
 3 idea, once we get into looking at them more seriously in
 4 the feasibility studies, whether or not these cleanup
 5 technologies are going to, you know, be our best bet on
 6 groundwater cleanup.
 7 Now, one of the nice things about our
 8 treatability studies is, if they are successful, then we
 9 accelerate cleanup, 'cause we get in there. And let's
 10 say we have a successful test. That means we are
 11 destroying contamination. So we get kind of a
 12 jump-start on the cleanup.
 13 Now, of course, if they are not successful, we
 14 don't make much progress except to say that we don't go
 15 down that blind alley when we select a remedial
 16 technology later on. But so far they have been
 17 successful, and they taught us a lot of good stuff.
 18 So once we evaluate the treatability studies,
 19 we look at them in the feasibility study. And the
 20 community and the regulators and the Navy all do this
 21 evaluation, and we select the final cleanup after the
 22 Record of Decision, and that's when we modify and design
 23 the final cleanup strategy for these different sites.
 24 Kind of just a close-up, this RU, it's just an
 25 acronym for remedial unit, and it just shows you where

1 June.
 2 We have done some pre-mobilization work, site
 3 survey and such; and then they are going to -- recall
 4 the -- or many of you anyway who have been around for
 5 several years recall the potassium permanganate spill
 6 where we got that purple fluid in the bay. We had --
 7 Here's our site of our treatability study here;
 8 and when we -- back in, I think it was, 2001-2002 time
 9 frame, we -- the Navy was injecting some potassium
 10 permanganate, purple in color; got into the storm drain,
 11 came down here and got into the bay.
 12 So one of the things that we did was make sure
 13 that our storm drains are blocked off here, and we
 14 blocked them off back in the time frame of that
 15 potassium permanganate study. And they are still there,
 16 and they are still functioning.
 17 So here is kind of just like a -- we call this
 18 the spaghetti drawing. A lot of different contaminants
 19 here. You can see sort of from the shape of the plumes
 20 that there are a variety of areas that you might think
 21 are source areas where my laser pointer is. Over here
 22 we have some areas that we suspect is being source
 23 areas, and this is where we are going to do the
 24 treatability study.
 25 Next slide.

1 RU-C4 are zero-valent iron injection or
 2 elemental iron, is our first experiment with iron
 3 injection and quite successful.
 4 Back in 2002 we put about 16,000 pounds of iron
 5 into the bedrock here in Building 272 at four points
 6 right in the hot spot. And if you recall from some
 7 previous discussions on this, we started at the bottom
 8 of our bore holes, laid down kind of a blanket of
 9 treatment, and then worked up so we didn't spread this
 10 stuff vertically. And contamination levels dropped off
 11 just dramatically.
 12 We were really happy with that one, so happy
 13 that we went back and we did some more characterization
 14 around here, around some more potential sources; and we
 15 put another 73,000 pounds of iron in here. And we
 16 continue to track the progress of this treatability
 17 study. And so we're still getting some good results
 18 there.
 19 Next slide.
 20 Kind of a new figure that I came upon.
 21 Battelle [phonetic] did a paper -- I think this is
 22 Battelle. I might not be giving the right kudos. Okay,
 23 it might be Battelle.
 24 But here is our iron, elemental iron or
 25 zero-valent iron. That's what the zero is up here above

1 number here in millivolts, or thousandths of volts. And
 2 whenever he have a good negative number here, we know we
 3 have lots of free electrons for use to destroy the
 4 contamination.
 5 So we start out here with about 78,000 parts
 6 per billion TCE. We got this very, very low number
 7 here, this minus 550.
 8 Come over to September of last year, and we are
 9 down in this particular well. This was our hot-spot
 10 well, 211F. We are down to the drinking-water standard,
 11 and you can see that our -- we don't have as many free
 12 electrons left over because a lot of those electrons
 13 have been used up to destroy the contamination.
 14 But we still have some destruction ongoing. We
 15 are watching that every quarter with our results from
 16 our groundwater-monitoring program.
 17 And we still have some contaminants that are
 18 above their cleanup levels, but we expect some further
 19 decline; and, of course, we'll continue to monitor
 20 those.
 21 And based on the knowledge that we learned
 22 here, we'll be recommending some additional treatment
 23 for this area in the Parcel C feasibility study.
 24 All right. Over at RU-C5 right here on the
 25 corner of Parcel C, another spot where we had a

1 the symbol -- chemical symbol for iron, Fe. What it
 2 does when it corrodes is it releases these electrons in
 3 the water, and this is really the driving force of the
 4 cleanup.
 5 Next slide.
 6 For example, TCE, trichloroethene, this is one
 7 of our main contaminants there, 'cause it's such a good
 8 degreaser. And removing the grease and the carbon from
 9 the ship parts, it was -- its use was widespread on the
 10 Shipyard.
 11 Well, what happens is, this chlorine here picks
 12 up an electron, and it gets reduced to harmless
 13 by-products down here, ethene and ethane. So that's
 14 what we are looking at.
 15 And these electrons, this chart shows that it
 16 can also help treat other contaminants like PCBs, carbon
 17 tetrachloride, hexavalent chromium, nitrate, arsenic,
 18 stuff like that. So it's good for more than just one
 19 contaminant.
 20 Next slide.
 21 Now, remember, I said that this iron is reduced
 22 or is -- it's releasing electrons. So one of the things
 23 that we do is: We measure the, what we call, oxidation
 24 reduction potential in the groundwater; and because
 25 these electrons are negative, we like to see a negative

1 large-scale degreasing operation, lot of different kinds
 2 of contamination. You remember Dan Leigh from Shaw
 3 Group came out and gave a really nice presentation to
 4 the RAB about six, seven months ago just to say that we
 5 put some food-grade sodium lactate into the groundwater,
 6 and this acted as a food to the microorganisms that live
 7 down there.
 8 So after eating all this good food, they -- you
 9 know, they increased their populations; and they're, you
 10 know, really robust, and lots of them live in there.
 11 And then Dan cuts off the food source, and then they are
 12 going: Whoa, what are we going to eat?
 13 So they end up going after our contaminants,
 14 and we monitor that. We saw some good declines in a lot
 15 of places except over here at Well MW54A, and that
 16 showed us that we have a persistent source of
 17 contamination at this Well 54A.
 18 So while overall we got good declines in
 19 contaminate concentrations, this Well 54A showed us that
 20 we got some kind of continuing source there that needs
 21 to be dealt with.
 22 Next slide.
 23 And here we are for 54, Monitoring Well
 24 No. 54. We start out about 32,000 parts per billion
 25 perchloroethene. It's just another solvent used for

1 degreasing. And you can see that the decline is not as
2 dramatic here, and we get from 32,000 down to about
3 5,000, and the TCE drops from 2500 to 807. So, you
4 know, good, but not as good as we'd hoped.

5 Whereas, maybe 15 feet away or so we drop from
6 1600 down to 23 for the PCE, and we get a similar pretty
7 good decline there for the TCE.

8 So what we're expecting is this stuff called
9 DNAPL is present, and I'll get around to explaining that
10 on the next slide.

11 Same as at the other sites, we have these
12 contaminants that are still above cleanup levels. So
13 we'll continue to monitor those, and then we'll evaluate
14 the whole thing in the feasibility study; and some
15 additional treatment will be recommended, including some
16 kind of source removal here near this well, No. 54.

17 All right. What's DNAPL? It's an acronym,
18 first of all. You know, we're real fond of using
19 acronyms.

20 DNAPL, it's the pure form of the solvent that
21 removes the grease off of these parts, and it stands for
22 dense nonaqueous-phase liquid. So it's denser than
23 water, so it sinks into the aquifer. It's in a
24 nonaqueous phase, so it doesn't mix with the water. And
25 it's a liquid; so once it gets into the aquifer, it's

1 easily as the water does. Sometimes you can enhance it
2 by putting a vacuum on the well; and, you know, you
3 might even get to dry up the aquifer and then turn your
4 groundwater well into a soil vapor extraction well.

5 Excavation, kind of tried and true. Once you
6 get the stuff out, it's gone; but because it sinks, you
7 know, you might have to have a pretty deep excavation.
8 In this case, I think it's around 25 feet deep. And we
9 have talked to some structural engineers, and that's
10 possible to do here with some shoring up of this
11 building foundation.

12 Like I said, you can emulsify it with this
13 oil. You could do that either with the iron or the
14 sodium lactate to bring the treatment to the
15 contamination; but it could also immobilize the
16 contaminants, and we have seen this happen at other
17 sites. So it would be real -- we'd have to take a lot
18 of precautions to use this.

19 Six-phase electrical heating. They are using
20 this one out at Alameda, and they are pretty successful
21 there. It changes the DNAPL to a vapor, and then you
22 can just remove it using vapor extraction technology.
23 Kind of the downside of this is, you know, we all pay
24 our electrical bills; and if you're trying to heat up a
25 big volume of soil, it's pretty expensive.

1 not like a solid where it just stays there. It's a
2 liquid, so it can move around, and that concerns us.

3 And it's a continuing source of groundwater
4 contamination, so it's got to be removed or destroyed
5 before our cleanup can be successful.

6 Now, here is a little picture of it. It's been
7 dyed red. Here is actually the water surface in this
8 vial here, and you can see how the DNAPL is sunk down to
9 the bottom of the vial.

10 Now, if you try to just treat it with regular
11 old zero-valent iron mixed up with water, the stuff just
12 floats on top of the -- it's -- it floats on top of this
13 DNAPL. It sinks into the water, but still the only
14 really area of treatment here is just this surface area
15 of contact. So that's not good.

16 If you mix this stuff up with oil instead of
17 water, because the solvent is made to break down grease
18 and dissolve grease, this grease and the DNAPL mix
19 together with the iron, so it increases your surface
20 area for treatment.

21 All right. Next slide.

22 So there's several cleanup technologies that we
23 will be looking at in the feasibility study. You can
24 extract it with the groundwater, but it takes a lot of
25 wells, and the DNAPL doesn't come into the well as

1 Next slide.

2 IR-10, this offered us a chance to look at iron
3 injection in a different kind of geologic environment
4 where we have mostly fill; whereas at RU 4, we had
5 mostly bedrock conditions, the serpentinite bedrock.
6 Over here it's mostly sandy stuff and gravel and fill
7 material.

8 And back in October of 2003, we put about
9 130,000 pounds of iron all across this plume. And we
10 have been monitoring the technology's effectiveness
11 since then with our quarterly groundwater-monitoring
12 program.

13 Next slide.

14 So we had a hot-spot well that was 54A before
15 we started this study and looking at characterizing it a
16 little bit better; but when we put in some new wells, we
17 had a new hot-spot well, which is 71A.

18 So we came from about 1200 micrograms per liter
19 to down to 59 micrograms per liter at the end of
20 December. And you can see that the oxidation reduction
21 potential, it doesn't have a negative sign on there, so
22 it's a lot higher. So there's not as -- not the free
23 electrons in the aquifer that characterized RU-C4.

24 Nonetheless, we're getting some contaminate
25 destruction. And the nice thing here is that the area

1 of the plume where we -- that bounds where all the
2 contamination is, we could draw a line around it and say
3 there's no contamination outside the line; it's all
4 inside the line.

5 This area is remaining pretty stable, and the
6 concentrations inside the line are getting smaller. We
7 still -- Like all these other ones, things take time.
8 We still have some contaminants above the cleanup
9 levels, but we expect further decline, and we continue
10 to monitor the situation; and we'll be recommending
11 additional treatment in the Parcel B TMSRA.

12 All right. Parcel B ramp wells. Kind of
13 switch gears here. Talking about our work this summer,
14 the ramp wells that we are required to sample per the
15 1997 Parcel B ROD, they are up here on this chart.

16 Once we start digging in all these sewer line
17 and storm drain lines so Ralph can get out there and
18 survey these pipes for radiological contamination, some
19 of these wells are within the areas that we want to
20 dig. So these ones that are highlighted here are the
21 ones that are in harm's way.

22 So since we sample these things every quarter,
23 what we want to do is: Right before we are planning on
24 doing some excavation through this area, we want to go
25 out and get a sample from this well and get this well

1 well between this one closest to the shoreline. It's
2 been really close to our cleanup level. We want to move
3 out a little bit closer to the bay so we can get a
4 better idea of mercury that might be getting into the
5 bay from this area.

6 Recall that we took out a little over
7 5,000 cubic yards of mercury-contaminated soil from this
8 area and some other contaminants as well, but took out
9 quite a bit of contaminated soil.

10 Monitoring groundwater. Still not quite at the
11 cleanup levels, so we want to move a little closer to
12 the bay and just to be sure that we know what's going
13 into the bay.

14 And then for the RAB, if you could look at this
15 Q5 report, groundwater-monitoring report, it's the
16 annual report where we do our recommendations for
17 Parcel C, D, and E. We got 21 wells total here that we
18 are recommending for installation. It will be in the
19 recommendations section.

20 So if you just look at anything, look back at
21 our "Conclusions and Recommendations" section of this Q5
22 report, and then you'll get an idea of what we think is
23 going on in the groundwater at Parcel C, D, and E and
24 then why we want to put in some additional wells.

25 All right. Next slide, which I think is the

1 decommissioned, drill it out, plug it up with grout, and
2 drill a new well adjacent to it once the excavation is
3 worked within that area.

4 Next slide.

5 I think we can skip that one, since we have
6 this nice diagram here that shows the four wells that
7 are in harm's way.

8 Next slide.

9 And these are just the names of them, and this
10 is their function. It's either like a
11 point-of-compliance well, or it monitors the VOC plume,
12 or it's monitoring something down here by the shoreline
13 or the chromium plume.

14 But the point is that, you know, Ralph has
15 tipped us off that some of his excavations are going to
16 destroy these wells, so we will get out there and sample
17 them and decommission them properly and then get them
18 replaced.

19 Next slide.

20 So the proposed new work for the near future,
21 replace these decommissioned ramp wells. Want to get
22 another well over here.

23 We've got some mercury in groundwater that I've
24 been talking about in the Technical Subcommittee, those
25 of you who have been attending. And we want to get a

1 Questions slide. Got one of the two contractors out
2 here. I think this is the fellow from YCD, and I think
3 this is a young man from Kleinfelder.

4 MS. PENDERGRASS: Okay. Very good. Are there
5 any questions?

6 DR. TOMPKINS: Yeah.

7 MR. BROOKS: Yes.

8 DR. TOMPKINS: In lay terms, when we finish
9 with the groundwater cleanup, how clean would it be for
10 the -- for human consumption, since you have drinking
11 water? Will it be industrial? Do you put limitations?
12 How clean is "clean"?

13 MR. BROOKS: That's a good question.

14 We have a couple of different groundwater units
15 that we recognize on the base. The top one is kind
16 of -- it's called the A-aquifer.

17 A lot of the A-aquifer is actually fill
18 material, reclaimed tidelands and that sort of thing.
19 So that's not for human consumption. We don't even
20 consider that as being for human consumption.

21 But we do consider it as migrating toward the
22 bay, 'cause all the groundwater in the A-aquifer wants
23 to migrate toward the bay 'cause that's our low spot
24 here is the bay. So we're looking at ecological
25 criteria here which, you know, when you study cleanup

1 levels, sometimes you're surprised that these levels
2 that protect the bay are even lower than the levels that
3 we use for drinking water.

4 So for "A," A-aquifer, protect the bay.
5 For the -- you recall that I talked about
6 the -- we had some clay layers in there separating these
7 water-bearing units. There's a clay layer that
8 separates the "A" from a unit that we call the
9 B-aquifer. And the B-aquifer we treat as being
10 potentially available for human consumptions. We look
11 at EPA's maximum contaminate levels there for drinking
12 water.

13 MS. PENDERGRASS: Yes, sir.
14 MR. LANPHAR: I just want to add, Patrick, you
15 might want to mention the VOCs inhalation.

16 MR. BROOKS: Oh, yeah, yeah. Tom, very good,
17 very good. Thanks for reminding me.

18 And sometimes in the A-aquifer, because this is
19 what we call a water-table aquifer, it's only a -- the
20 surface of the water is maybe 8, 10 feet deep.

21 And if you have VOCs, volatile organic
22 compounds, in the groundwater, these things, like their
23 name states, they want to volatilize and turn into gas;
24 and they can get inside building spaces. And there the
25 cleanup levels for breathing in the indoor air, once you

1 streams and such and then were covered over by the bay
2 mud. Those sands and gravels that were washed in,
3 that's the B-aquifer, and that's the one that we say is
4 potentially usable for drinking water.

5 MS. PENDERGRASS: Okay.
6 DR. TOMPKINS: Great. Because the
7 contamination in "A," would people -- would there be a
8 land-use restriction on that particular parcel, in other
9 words, Parcel B?

10 MR. BROOKS: Yeah.
11 DR. TOMPKINS: Would there be a land
12 restriction because of the groundwater contamination?

13 MR. BROOKS: Yeah, absolutely. And this is
14 stuff that we -- that if you get a chance to look at the
15 Parcel B TMSRA, that's the first one in the kind of
16 feasibility studylike documents that we are putting out,
17 and you'll see those different land-use restrictions
18 that we put on, and one of them is definitely that no
19 potable use of the A-aquifer, no groundwater wells.

20 And we restrict a lot of activities in the
21 groundwater. Like, you can't -- for example, developer
22 can't start over here in the VOC plume and run a storm
23 drain line to the bay that might cause our plume to have
24 a short circuit to the bay. So we have a variety of
25 different restrictions on groundwater.

1 do the calculations and see what your groundwater
2 concentrations are, those can be even lower than your --
3 and usually are lower than the drinking-water levels.

4 Yes.
5 DR. TOMPKINS: On Parcel B, is that in Aquifer
6 A or B?

7 MR. BROOKS: It's --
8 DR. TOMPKINS: When we were -- had our
9 discussions in the Technical Committee.

10 MR. BROOKS: Yeah. It's both and they are
11 separated in depth. So at depth you can go down and
12 find B-aquifer, but the shallow aquifer is the
13 A-aquifer.

14 DR. TOMPKINS: For the zero-valence iron, was
15 that in "A" or "B"?

16 MR. BROOKS: That's in "A," and there the VOC
17 contamination is restricted to the A-aquifer.

18 DR. TOMPKINS: Okay.
19 MR. BROOKS: But if you go down deeper, you get

20 into the B-aquifer, and that's just the general rule of
21 things. It's separated by a unit that geologists call
22 the bay mud.

23 And so at one time when the bay was a lot
24 bigger and deposited sediments out, which is now dry
25 land, there were sands that were washed in by rivers and

1 MS. PENDERGRASS: Okay. Miss Bushnell?
2 MS. BUSHNELL: Pat, just -- when you say "A"
3 and "B-aquifer," those don't refer to Parcel A or Parcel
4 B? That's --

5 MR. BROOKS: That's --
6 MS. BUSHNELL: -- just --
7 MR. BROOKS: -- right.

8 MS. BUSHNELL: -- the terminology for where
9 they are located?

10 MS. PENDERGRASS: The level of groundwater,
11 right?

12 MR. BROOKS: Yeah. The A-aquifer is just the
13 shallowest groundwater unit. And then we say that
14 beneath the "A" is the bay mud, the clay that separates
15 the A from the B-aquifer; and the B-aquifer is the
16 deeper aquifer.

17 MS. BUSHNELL: I just wanted to make sure I was
18 right.

19 MR. BROOKS: Yeah.
20 MS. BUSHNELL: Okay. Thank you.

21 MS. PENDERGRASS: Any other questions?
22 All right, then.

23 MR. BROOKS: All right.
24 MS. PENDERGRASS: Thank you, Mr. Brooks.
25 MR. BROOKS: Thank you very much.

1 MS. PENDERGRASS: Now can we clap for you?

2 (Applause.)

3 MS. PENDERGRASS: All right. Why don't we take
4 a 13-minute break and reconvene at sharply 7:00.

5 (Recess, 6:45 p.m. to 7:01 p.m.)

6 MS. PENDERGRASS: Anyway, can we reconvene,
7 please?

8 MS. LANE: I'm not going to use that
9 microphone.

10 MS. PENDERGRASS: All rightie, then. We're
11 ready for Mr. Work to make a presentation.

12 Mr. Work, are you ready? Oh.

13 MR. WORK: Excuse me.

14 MS. PENDERGRASS: And before Mr. Work gets on
15 stage, I'd like to ask if anybody -- it has to be a
16 woman, unless you use the women's restroom and you are a
17 man -- these keys were lost. They were between the
18 cushion.

19 MR. BROOKS: Whose cushion?

20 MS. LANE: There's a couch in the women's
21 bathroom.

22 MS. PENDERGRASS: Anyway, there's no car key on
23 here. Looks like facility keys. So does anybody --?

24 MR. TISDELL: Maybe that lady that came to the
25 door looking in here, she might have lost them.

1 specific subjects.

2 MR. BROOKS: I'll second that.

3 MR. WORK: Yes, right, right.

4 I guess I want to point out that the date was
5 for the -- I prepared these slides for the last month's
6 presentation.

7 And it occurred to me that the best way or at
8 least I think the best way to explain what EPA's role
9 is -- in overseeing the cleanup here is to go through a
10 little bit of the history.

11 So next slide, please.

12 Back in the '70s, the American public was
13 becoming bit by bit more aware of hazards from toxic
14 waste.

15 And you all may have heard of a place called
16 Love Canal in which the residential area was built right
17 over an abandoned toxic dump site, and people got sick.
18 People got really sick, and they were exposed to
19 concentrations and stuff; and, you know, I never worked
20 that site, so I can't give you any great details, but
21 concentrations that would horrify our toxicologists
22 today.

23 But that was sort of a milestone in the history
24 of protecting the public from toxic waste.

25 And in response to that and things like that,

1 MS. PENDERGRASS: Okay.

2 MR. ATTENDEE: A lot of keys. Looks like
3 janitor's keys.

4 MS. PENDERGRASS: Janitor gets down in the
5 women's restroom. Anyway --

6 MR. TISDELL: Hey, what's wrong with that?

7 MS. PENDERGRASS: Moving right along . . .

8 Without introduction, we have the famous
9 Michael Work from the U.S. EPA who volunteered to be our
10 first regulator to make a presentation, and so we're so
11 proud to have this.

12 (Applause.)

13 MR. WORK: Thank you. Thank you, everybody.
14 I -- Actually, I want to thank Mr. Morrison. I think
15 he's the one who's responsible for putting forward the
16 idea that the regulators -- was it --? Oh. All right.
17 Well, anyway, somebody on the RAB. And I think it's a
18 great idea, because I know at these RAB meetings,
19 regulators are pretty quiet, and you're probably
20 wondering things like what are my taxes paying for? or
21 something like that.

22 But I know as Barbara knows -- and Keith, I
23 think, would agree with me -- Keith Tisdell would agree
24 with me that we are less quiet when we have our BCT
25 meetings and our conference calls when we are on

1 Congress enacted CERCLA, the Comprehensive Environmental
2 Response, Compensation, and Liability Act; and that was
3 in 1980, December of 1980. And in this Act, Congress
4 established all these requirements on how not just the
5 government, but even industry has to address abandoned
6 hazardous waste sites in the United States.

7 And also in this Act, Congress provided for EPA
8 to go after different industries who we found were
9 responsible for leaving waste behind, and we have done
10 that. And it's -- I should probably also mention at
11 this point that Congress provided a multi-billion-dollar
12 fund to help EPA go after those and clean up those sites
13 where we couldn't find a responsible party, 'cause there
14 are sites like that. And that is why we also call
15 CERCLA Superfund, because the -- the fund got the name
16 Superfund.

17 Next slide, please.

18 Things moved on for a couple of years, and
19 people started -- when CERCLA was young, the program was
20 young, at EPA, states and citizens told Congress: Well,
21 you know, that's great. You've written a law to go
22 after industry.

23 But the government has its own sites of toxic
24 waste; and as a matter of fact, there are more than
25 27,000 federal installations that handle different

1 quantities of toxic waste.
 2 Next slide.
 3 Now, under CERCLA or, I should say, under the
 4 federal facilities, we tend to have large and larger and
 5 more complex sites than you do in the industrial side.
 6 Some of our sites are enormous. Edwards Air Force Base
 7 is -- actually, I don't know if this is true, but it's
 8 in Southern California. I understand it's larger or
 9 I've been told it's larger than the state of Rhode
 10 Island.
 11 MS. PENDERGRASS: Everything's larger.
 12 MR. WORK: Is it?
 13 All right. Next slide, please.
 14 So in response to what was clearly a need for
 15 the federal government to clean its own act up, Congress
 16 amended CERCLA with the Superfund Amendments and
 17 Reauthorization Act in '86. And as I just mentioned, in
 18 large part, this Act was written to address the federal
 19 facilities.
 20 Next slide.
 21 And Section 120 of CERCLA was amended to
 22 require that federal facilities comply with the CERCLA
 23 requirements to the same extent as private facilities,
 24 the idea being that the standards would be the same.
 25 Next slide.

1 When CERCLA was first written, part of EPA's
 2 response to our responsibilities under that was to write
 3 the regulations for implementing the law, and we wrote
 4 the National Contingency Plan which details all the more
 5 specific requirements about how to go about conducting
 6 cleanups. And it's in the NCP, the contingency plan,
 7 that you find things outlined, like operable units, FSs,
 8 proposed plans to inform the public.
 9 And also it is in the regulations that EPA sets
 10 out the requirements that we list sites and prioritize
 11 the sites nationally, and that's the National Priority
 12 List.
 13 The Shipyard is one of the sites on the
 14 National Priority List. There's over 1200 federal
 15 facilities, I believe, on the National Priority List.
 16 No. Wait. No. Sorry. Sorry. Strike that from the
 17 record. There are 1200 sites on the NPL, federal and
 18 private combined.
 19 Also, under the amended Superfund Act, the
 20 federal cleanups are required to be conducted and
 21 overseen by EPA under interagency agreements, and we
 22 have one at this site. We have a federal facility
 23 agreement that was written and finalized in the early
 24 '90s for this site.
 25 Next slide.

1 An executive order is something that comes out
 2 of the Office of the President; and Executive
 3 Order 12580 delegated -- the Act was written under the
 4 President's authority to do the cleanups, and the
 5 President delegated his authority to the differing
 6 federal departments and agencies.
 7 And so in the case of the Shipyard here, the
 8 authority has been delegated to DoD, more specifically
 9 the Navy. And in SARA Congress wrote in a requirement
 10 and a responsibility that EPA oversee cleanups at these
 11 federal facilities. Congress wanted another party
 12 overseeing the federal agency's cleanups that they were
 13 performing on themselves at their own sites.
 14 I guess I should mention here also that despite
 15 all of this law under Superfund and working under what
 16 Superfund law is, we can't actually use the fund to
 17 clean up the federal facilities; that Congress --
 18 Congress says that money is for EPA to, you know, clean
 19 up sites where we can't find a responsible party.
 20 And also, Congress provides money for the
 21 different federal facilities for them to conduct their
 22 own cleanups. So there's money there, but it's coming
 23 through a different mechanism. And EPA does get a small
 24 portion of funding to complete our oversight role under
 25 this law.

1 States are parties to these agreements, often
 2 parties to these agreements; and in California they -- I
 3 believe they almost always are. And under our agreement
 4 with the Navy also includes both state regulatory
 5 agencies as having signed on to the agreement.
 6 And it's through the agreements that EPA has a
 7 legal hook, a legal mechanism, where we provide
 8 technical advice and assistance; and there is on
 9 occasion our responsibility to take an enforcement
 10 action when appropriate. And that's under the
 11 agreement. It's all written under the agreement.
 12 Next slide.
 13 So I mentioned some of these earlier. Our
 14 responsibilities include listing sites on the NPL,
 15 negotiating and establishing interagency agreements,
 16 promoting community involvement.
 17 Next slide.
 18 We assist -- select or assist in the
 19 determination of cleanup remedies. And actually, these
 20 two bullets should be sort of combined, "concurring with
 21 cleanup remedies."
 22 Our biggest, most important authority in the
 23 law and in our federal facilities agreement lies in the
 24 fact that if EPA doesn't agree with a remedy that's
 25 being proposed by a federal facility, we can elevate

1 it. We have a formal dispute resolution process, and it
 2 goes up three levels. And the top level of it is the
 3 EPA administrator alone.
 4 So if we have a disagreement that we cannot
 5 resolve, it goes up the chain, and EPA will decide what
 6 the final remedy is. And that's where we have our most
 7 clout.
 8 Let's see. Next -- I think that might be the
 9 end of them.
 10 MS. PENDERGRASS: That's it.
 11 MR. WORK: Is that the last slide? Overseeing
 12 the cleanup activities. So that's the background.
 13 And ...
 14 (Applause.)
 15 MR. WORK: Any questions?
 16 Keith.
 17 MR. TISDELL: Yes. Now --
 18 MS. PENDERGRASS: Just talk loudly.
 19 MR. TISDELL: Now, okay. Now, in the
 20 beginning, you said that EPA will see about going after
 21 companies that has fault in -- in messing up the ground?
 22 MR. WORK: Yes, yeah.
 23 MR. TISDELL: Okay. Now, when you guys
 24 remove --
 25 Close your ears, Pat.

1 MR. TISDELL: Talk loud.
 2 MR. MORRISON: Does that one work?
 3 MS. RINES: You can hear from here.
 4 MR. MORRISON: Okay.
 5 I'm concerned that this Shipyard is a
 6 Superfund --
 7 MR. TISDELL: Talk loud.
 8 MR. MORRISON: Is this Shipyard a Superfund?
 9 Because you said that the Superfund money was reserved
 10 for the EPA; am I correct?
 11 MR. WORK: I'm sorry. I --
 12 MR. MORRISON: Since the Navy has cleaned up
 13 the Shipyard, is it considered a Superfund?
 14 MR. WORK: It is a Superfund site, and it's
 15 Natural Priority List site.
 16 MR. MORRISON: Oh.
 17 MS. PENDERGRASS: But as you said Superfund
 18 site, that doesn't necessarily mean that the Navy's --
 19 MR. WORK: That we're using --
 20 MS. PENDERGRASS: -- using money from that
 21 trust fund to clean it up.
 22 MR. WORK: No.
 23 MS. PENDERGRASS: Is that correct?
 24 MR. MORRISON: Oh, okay, yeah.
 25 MR. WORK: No. And I guess --

1 When you guys remove the cap on the landfill
 2 and find dead carcasses there, is that going to affect
 3 U.C.S.F. lab over there?
 4 MR. WORK: Well, that's sort of a hypothetical
 5 situation; and I am not certain if that plays out the
 6 way you describe it, if there would be a role for EPA.
 7 I don't know if carcasses are in and of themselves toxic
 8 waste --
 9 MS. PENDERGRASS: That's FBI.
 10 MR. WORK: -- so -- Yeah.
 11 MR. TISDELL: Now, if -- I'm talking if they
 12 was -- you know, they do lab -- they do lab stuff over
 13 there, right?
 14 MR. WORK: Oh, contaminated carcasses?
 15 MR. TISDELL: Yes, yes.
 16 MR. WORK: Oh, you know, potentially under such
 17 a scenario, yeah, we would have some role.
 18 MS. BUSHNELL: I do know they have a facility
 19 on their Parnassus campus that burns. I know that for a
 20 fact.
 21 MS. PENDERGRASS: Okay.
 22 MR. WORK: Any other questions?
 23 Mr. Morrison.
 24 MR. MORRISON: Yes.
 25 MS. LANE: It's not on. It's not on.

1 MS. PENDERGRASS: That's a misnomer?
 2 MR. WORK: Yeah. Superfund refers to, I guess,
 3 more than one thing. In some sense, it's used to
 4 describe the actual fund itself; and in some senses,
 5 it's used just to describe the laws and regulations
 6 under which cleanups occur.
 7 MR. MORRISON: Okay.
 8 MS. PENDERGRASS: Yes, sir. Mr. Van Houten.
 9 MR. VAN HOUTEN: Just a question further with
 10 that. There were -- I'm not very up on what's going --
 11 what had happened on the Shipyard. But are there some
 12 companies you have gone after who had facilities on the
 13 Shipyard who left toxic waste?
 14 MR. WORK: Well, I know at least one company
 15 that I keep hearing about in history, Triple A --
 16 MR. VAN HOUTEN: Right --
 17 MR. WORK: -- who --
 18 MR. VAN HOUTEN: -- that's one I've heard.
 19 MR. WORK: -- was on the site.
 20 And EPA is not going after Triple A, but I
 21 think other regulatory agencies have; and I believe it
 22 is because -- our take on it is, they were a tenant, and
 23 we have a legal hook going right into the Navy for the
 24 cleanup, and I guess we've decided we don't need to go
 25 further than that.

1 But there are some other regulatory agencies.
 2 I believe the City and County of San Francisco went
 3 after --
 4 MS. BROWNELL: Yeah.
 5 MR. WORK: -- Triple A.
 6 MS. BROWNELL: The District Attorney had a
 7 lawsuit against Triple A. It gets very complicated.
 8 But they did it for the portion -- only a piece of the
 9 Shipyard because that was the only piece they could have
 10 a legal hook into.
 11 MR. VAN HOUTEN: Right.
 12 MS. BROWNELL: And so they did do a lawsuit on
 13 that. But in the end, the Navy ends up being on the
 14 hook for the contamination that they --
 15 MR. VAN HOUTEN: And the taxpayers spent it.
 16 MS. BUSHNELL: Yes.
 17 MR. VAN HOUTEN: That I paid for and you paid
 18 for.
 19 MS. PENDERGRASS: Miss Bushnell.
 20 MS. BUSHNELL: Just let's -- so we can
 21 understand the process, the Navy puts out a draft
 22 proposal for work on the Shipyard. And you get it, and
 23 you disseminated it to all your experts. And then you
 24 have a time frame, right, to get back to them? I mean,
 25 I don't know that people understand that part of the

1 starts acting up -- I do not have --
 2 MR. ATTENDEE: A slide show.
 3 MS. LANE: -- a slide show.
 4 MR. WORK: Whatever you do, don't touch the
 5 bottom.
 6 MS. PENDERGRASS: No slide show? That means we
 7 want to see singing, dancing.
 8 MS. LANE: And we will have Marsha up next to
 9 do that.
 10 I decided to just kind of tack on to Michael's
 11 presentation just to kind of give you an idea about the
 12 Technical Assistance Grants and how EPA's involved in
 13 that, because people have been asking questions about
 14 it. So I'm going to just talk briefly about the process
 15 and then kind of give you an update on what's happening
 16 with our TAG that we have with Hunters Point.
 17 The whole purpose of the Technical Assistance
 18 Grant is to give the community or community group that's
 19 representing the community an opportunity to hire a
 20 technical assistant adviser to help them interpret
 21 documents that in this case the Navy would develop for
 22 cleanups.
 23 And with that process, they are trying to help
 24 the community understand those technical documents
 25 better and to give them some more layman terms that they

1 process.
 2 MR. WORK: Yes, that's absolutely correct.
 3 There are these time frames that are established in that
 4 agreement I mentioned, the Federal Facilities
 5 Agreement. It lays out what types of documents need to
 6 be produced and the schedule for them and the time
 7 frames that each party has to review the document.
 8 And then the document gets revised, and there's
 9 another set time frame again in the agreement. And
 10 that's kind of where that all comes out of.
 11 And the Federal Facility Agreement is roughly
 12 modeled on agreements that courts would impose upon
 13 polluters when EPA would take them into court for a
 14 cleanup. So . . .
 15 MS. PENDERGRASS: Okay. All rightie, then.
 16 Without any more questions, thank you very much.
 17 MR. WORK: Sure.
 18 *(Applause.)*
 19 MR. WORK: What do I do with the mic?
 20 MS. PENDERGRASS: Give it to Ms. Lane.
 21 MR. BROOKS: Don't put it up against the
 22 amplifier.
 23 MS. PENDERGRASS: Miss Lane, you're a very
 24 soft-spoken person.
 25 MS. LANE: I'm not when I talk. If this mic

1 can in turn give outreach to the community and try to
 2 keep that open-door policy of going back and forth on
 3 community involvement issues.
 4 In addition to that, with the process, what
 5 happens is a -- in this case, this is a National
 6 Priorities List, and those are the only ones that have
 7 technical assistant grants. The community can give us a
 8 letter of intent, which is a letter stating that they
 9 would like to give us an application for a technical
 10 assistant grant.
 11 And with that what we normally do is, we'll
 12 advertise in the newspapers for about maybe 30 days,
 13 stating that this group is interested in putting out --
 14 giving an application for this grant. And it's opening
 15 an opportunity for the community or other groups to
 16 either join them in a coalition or to submit their own
 17 individual application.
 18 Once that 30-day period ends, we look at all
 19 the applications. We touch bases with the group that
 20 had the letter of intent to find out if they had anybody
 21 contacting to join their group.
 22 And then if we have any individual
 23 applications; if we have individual applications, then
 24 we do an evaluation process where I go around and ask my
 25 coworkers to help me evaluate the applications to see

1 which one is the best applicant to go forward for our
 2 funding. And once we do that process, then we -- it
 3 goes through the funding cycle and gets funded.
 4 Once it's funded, then a project officer is
 5 assigned to that technical assistant grant to oversee
 6 the grant process to make sure that they are complying
 7 with their work plan agreement that's within their
 8 application. In this case, I'm the PO for the technical
 9 assistant grant for Hunters Point.
 10 Now, let's see if I covered all my bases here.
 11 The responsibilities of the grantee is to
 12 adhere to the agreement that they signed up for with the
 13 grant. And they have to actually sign up a legal
 14 document that says they are overseeing the grant; and
 15 they will try to, to the best of their ability, do what
 16 they are supposed to do as far as the grant process is
 17 concerned.
 18 They have responsibilities to send in reports
 19 to me. They have responsibilities of what they have to
 20 do within their work plan.
 21 And that's about it as far as the technical
 22 assistance process.
 23 In regards to the technical assistant grant
 24 with Community First Coalition, right now they had
 25 decided to let their contractor go because of the

1 MS. LANE: But it can't be the RAB itself.
 2 MS. PENDERGRASS: Oh. So it could be somebody
 3 that's on the --?
 4 MS. LANE: It could be any of the people on the
 5 RAB that have their own group, but it can't be the RAB
 6 itself, not in the federal facility.
 7 MS. PENDERGRASS: Okay. And so then they
 8 help -- but they -- then they're not helping the RAB
 9 understand? They are helping --?
 10 MS. LANE: They are supposed to.
 11 MS. RINES: So it's -- basically, it's a
 12 subcontractor that is helping a separate entity that is
 13 going to --
 14 MS. LANE: Yeah. It's an independent --
 15 MS. PENDERGRASS: -- work alongside --
 16 MS. LANE: Right.
 17 MS. RINES: -- with the RAB to help understand
 18 the --
 19 MS. LANE: -- understand the documents that are
 20 coming out from the Navy.
 21 MS. PENDERGRASS: But they don't --? Since --
 22 But the RAB instigates this to try to get this
 23 information and clarity for their -- for the community?
 24 MS. LANE: Constituents, correct.
 25 MS. PENDERGRASS: And then -- But the person

1 noncompliance, and they are in the process of
 2 advertising and hiring a new technical assistant.
 3 The way the grant works is on a reimbursement
 4 basis only. So they still have \$36,000 in their grant
 5 at this time. That money stays with EPA and is not
 6 released to CFC unless they send in a reimbursement
 7 form.
 8 Other than that, that's the update on the
 9 Technical Assistance Grant at this time. So that's it
 10 in a nutshell.
 11 MS. PENDERGRASS: Can I ask a question? So I
 12 don't get this. The RAB needs to have some technical
 13 support for understanding documents or what have you?
 14 MS. LANE: Right.
 15 MS. PENDERGRASS: So they apply for
 16 technical --?
 17 MS. LANE: No, they can't apply.
 18 MS. PENDERGRASS: They can't apply.
 19 MS. LANE: No.
 20 MS. PENDERGRASS: They ask you to?
 21 MS. LANE: No. A group -- It could be --
 22 okay. It could be any group in the community that is a
 23 viable group that is -- at this point, they have to be
 24 nonprofit that applies.
 25 MS. PENDERGRASS: So the RAB can apply?

1 reports back to you and has no responsibility to the
 2 RAB?
 3 MS. LANE: No. They do have responsibility to
 4 the RAB, 'cause the RAB is a community entity.
 5 MS. PENDERGRASS: Is anybody else confused or
 6 is it just me?
 7 Mr. Morrison and then Mr. Van Houten.
 8 MR. MORRISON: Let him go first. I need three
 9 minutes.
 10 MS. PENDERGRASS: All right.
 11 Mr. Van Houten?
 12 MR. VAN HOUTEN: I am confused. I'm --
 13 MS. LANE: Sorry.
 14 MR. VAN HOUTEN: -- trying to decipher between
 15 a community organization and RAB, which I thought was a
 16 community organization but a nonprofit.
 17 So it has to be a nonprofit?
 18 MS. LANE: The RAB is not a nonprofit
 19 organization.
 20 MR. VAN HOUTEN: Right, I understand.
 21 MS. LANE: It's an advisory board, but there
 22 are nonprofit entities on the RAB.
 23 MR. VAN HOUTEN: And it has --
 24 MS. LANE: In --
 25 MR. VAN HOUTEN: But it has to be a nonprofit?

1 MS. LANE: Well, they can apply. They can send
 2 in a letter of intent, and they can apply for the grant
 3 and not have their nonprofit status, but they have to
 4 have it by the time it's awarded.
 5 MR. VAN HOUTEN: And -- okay. Then why cannot
 6 the RAB do that? What is it that knocked it out of
 7 running?
 8 MS. LANE: It's already --
 9 MR. TISDELL: Not a nonprofit.
 10 MS. LANE: Yeah.
 11 Well, it's already an entity unto itself.
 12 MR. VAN HOUTEN: But you said it didn't have to
 13 be a nonprofit. So that's what I'm trying to
 14 understand.
 15 MS. RINES: The RAB is an entity --
 16 MS. LANE: Unto itself.
 17 MS. RINES: -- itself consisting of volunteers
 18 in the community, but the RAB is not a community group,
 19 per se.
 20 MS. PENDERGRASS: It's not an organization.
 21 MS. RINES: It's not an organization. We are
 22 all individuals that have come together that are
 23 different entities --
 24 MR. VAN HOUTEN: Okay.
 25 MS. RINES: -- that are representing it. But

1 [indicating], called Lilies of the Field. That's the
 2 first movie I ever saw in a white theater. They
 3 surrounded it by police. The boys had to stand in the
 4 front of the girls in case the Klan started shooting.
 5 I do not take discrimination over the CFC,
 6 Mr. Tompkins, or Mr. Maurice Campbell. And if the -- if
 7 they can't do anything to be fair and to treat every RAB
 8 member as an equal, then they don't need the -- that TAG
 9 grant.
 10 MS. LANE: Your comment is duly noted.
 11 MS. PENDERGRASS: Miss Bushnell and then Mr. --
 12 MS. BUSHNELL: Having participated as an
 13 applicant for the grant, I know part of it is that you
 14 need to involve the community, and it would seem to be
 15 appropriate that the RAB being part of the community to
 16 participate in what you're going to study.
 17 As far as I know, in this period of time -- and
 18 it's been over two years, over two years -- no one has
 19 ever come to the RAB, reported to us, asked us what we
 20 were concerned about, asked us what technical assistance
 21 we wanted. No one -- I mean, it's -- to me it's
 22 amazing that there's been no community meetings
 23 announced.
 24 So what -- you know, how do they know what
 25 we're interested in? This is such a dynamic thing

1 they need one single one.
 2 It's like a subcontractor. The money comes in
 3 and says: We are going to help you. You're the
 4 general. You can't do anything else, but you might be
 5 able to bring some people along.
 6 So this other group who can do the technical
 7 information says, Why don't we do this and help you out?
 8 MR. VAN HOUTEN: Okay.
 9 MS. LANE: It's a way for the community to have
 10 independent adviser, technical adviser, in regards to,
 11 like, commenting or submitting information to the Navy.
 12 So --
 13 MS. PENDERGRASS: Okay.
 14 MS. LANE: -- I don't know who --
 15 MS. PENDERGRASS: Mr. Morrison and then Miss
 16 Bushnell.
 17 MR. MORRISON: I don't know who the CFC is.
 18 MS. LANE: Community First Coalition.
 19 MR. MORRISON: I don't know -- The only thing
 20 I know is, I came to the RAB discriminating. They said
 21 that they had meetings with certain people or have sent
 22 information to certain people. Didn't send it to us.
 23 I've asked for information. They won't send it to me.
 24 So I want to tell Mr. Tompkins to tell
 25 Mr. Campbell and the CFC, this is my favorite movie

1 that's going on out here.
 2 MS. LANE: Right.
 3 MS. BUSHNELL: It changes. It changes all the
 4 time. And we are not getting any assistance from
 5 anybody; and you say there's -- there was a \$50,000
 6 grant, and there's 36 left?
 7 So that means 14,000 has gone somewhere. I'd
 8 like to know where that money went.
 9 MS. LANE: It was paid to the first technical
 10 assistant that was hired.
 11 MR. MORRISON: To do what?
 12 MS. LANE: Anytime they went to a meeting --
 13 MR. MORRISON: What meeting?
 14 MS. LANE: Well, when they -- they did
 15 attend -- they did attend meetings. Can I finish what I
 16 was going to say?
 17 MS. BUSHNELL: How do we know that?
 18 MS. PENDERGRASS: Excuse me. Let Miss Lane
 19 finish her co- -- her response, please.
 20 MS. LANE: All I know is that they submit an
 21 invoice to CFC, and they review it; and then they submit
 22 a reimbursement form to me to pay them.
 23 And in each of those submissions, they state
 24 exactly how many hours they have worked and what they
 25 did.

1 And if you want that kind of information, you
 2 can write me a letter; and I will be glad to give it to
 3 you. Okay?
 4 MS. PENDERGRASS: Mr. Tompkins --
 5 MS. LANE: And also, I wanted to -- I wanted to
 6 just finish one more thing.
 7 Presently the CFC's grantee has -- I've asked
 8 that they come under what they call an advanced
 9 monitoring evaluation. It's where we look at
 10 specifically what's going on with this grant and why
 11 it's not working the way it should be working; and then
 12 we develop a correction action plan. And so I'm in the
 13 process of doing that right now and working with them.
 14 But I just want to let you know, I acknowledge
 15 everything that's been said here. I know what -- I
 16 understand what you all are saying.
 17 I've asked for people to write me letters, to
 18 write it in writing, and they have done so. All that
 19 will become part of this evaluation.
 20 And I'm hoping that with this evaluation,
 21 either the grantee will go ahead and comply and do what
 22 they're supposed to do, or we will have to readvertise.
 23 Okay?
 24 MS. PENDERGRASS: Dr. Tompkins and then Mr. Van
 25 Houten.

1 where the money went.
 2 We are dissatisfied with the performance of the
 3 technical grant person. That's why they were released
 4 for failure of performance and duty in a timely manner
 5 and disseminating information which they failed to do.
 6 MS. PENDERGRASS: All right. Mr. Van Houten?
 7 MR. VAN HOUTEN: Well, my client -- what I was
 8 trying to get to, you were saying about we can write
 9 you, and you can send information about what happened.
 10 Now I understand that some of the members have
 11 been in contact with the technician. My question was
 12 kind of: Can -- Is there a way to that information on
 13 a regular -- when we do have a technician that somehow
 14 we are getting reports on what they are doing and when
 15 they are doing it?
 16 It sounds like it might be happening in the
 17 technical thing.
 18 MS. LANE: Well, what --
 19 MR. VAN HOUTEN: I just wanted to know --
 20 MS. LANE: Yeah.
 21 MR. VAN HOUTEN: It would be nice that --
 22 MS. PENDERGRASS: Let Mr. Tompkins --
 23 MR. VAN HOUTEN: -- somewhere that there is
 24 being some kind of communication of what's happening.
 25 DR. TOMPKINS: They are supposed to --

1 DR. TOMPKINS: Mr. Morrison, I have no idea of
 2 what you're talking about in terms of the relationship
 3 of discrimination. I have this false allegation because
 4 I fired the previous TAG grant person 'cause he failed
 5 to perform his duties and responsibilities. They did
 6 attend the Technical Committee, which you did not at
 7 that time. And they did attend the meetings that
 8 Barbara Bushnell is attending now on a consistent
 9 basis.
 10 Now, what they failed to do to perform the
 11 information, they were supposed to have held meetings
 12 when I came on and administered the grant after
 13 Mr. Campbell became ill.
 14 Now, as far as where the money went, let me
 15 make it explicitly clear. CFC for administering this
 16 grant has received zero money. Every penny has gone to
 17 the technical people doing the technical assistance.
 18 There is no conflict of interest under any member having
 19 ever received any money, period. Every money has gone
 20 to the technical team, period.
 21 We have did in-kind service and services free
 22 in terms of support of this grant. That was what the
 23 initial contract was. And we have received zero money
 24 on administrative fees. There are none, period. We did
 25 pass our review in terms of expenditure of dollars and

1 MS. PENDERGRASS: Dr. Tompkins --
 2 MS. LANE: Dr. Tompkins, you're out of order.
 3 MS. PENDERGRASS: -- not you yet.
 4 Are you finished?
 5 DR. TOMPKINS: I want to address the grant.
 6 MS. PENDERGRASS: Okay, but I want you to be
 7 quiet just for one second.
 8 DR. TOMPKINS: Okay.
 9 MS. PENDERGRASS: I want Mr. Tisdell and then
 10 Mr. Morrison.
 11 MS. LANE: Can I address what he asked about?
 12 MS. PENDERGRASS: In just a minute.
 13 MR. TISDELL: Oh, you through? Oh, okay.
 14 This here need to be discussed in the Technical
 15 Committee, not in front of all these other folks.
 16 MS. PENDERGRASS: And --
 17 MR. TISDELL: And --
 18 MS. PENDERGRASS: And a report needs to come to
 19 the full RAB.
 20 MR. TISDELL: Yes, a report need to come to the
 21 full RAB, you know, because it is getting personal, and
 22 I...
 23 And I like to put a motion on the floor that
 24 this -- these things, you know, these grievances be
 25 brought up in the Technical Committee and a report be

1 brought to the RAB -- Help me out.
 2 MS. PENDERGRASS: Can I invite you to rephrase
 3 that?
 4 MR. TISDELL: Sure. Help me.
 5 MS. PENDERGRASS: How about your motion being
 6 that the Technical Committee review the work that's gone
 7 on for the TAG grant and give an update -- an overview
 8 and update of what has happened and what is happening
 9 with the technical person?
 10 MR. TISDELL: That's what I meant to say.
 11 MS. PENDERGRASS: All rightie, then.
 12 Yes.
 13 DR. TOMPKINS: Rephrase "TAG grant," the "TAG
 14 grant," not the "person," because it's not about
 15 individuals. It's about the grant and the process.
 16 MS. PENDERGRASS: All right.
 17 Well, then, do we have a second on that first?
 18 MR. MORRISON: I second it.
 19 DR. TOMPKINS: I'll second.
 20 MS. PENDERGRASS: So we have a second from
 21 Mr. Morrison.
 22 But -- So let's have discussion; and in that
 23 discussion, I'd just like to ask a question.
 24 The TAG grant is given to provide technical
 25 assistance to -- around the issues that are confronting

1 Miss Bushnell.
 2 MS. BUSHNELL: My problem with that is, since
 3 I've assumed the Tech Subcommittee, I have no previous
 4 minutes, attendance records, or any documentation about
 5 anything that went on. It just doesn't exist. And so
 6 that's a problem.
 7 MS. PENDERGRASS: Okay.
 8 MS. BUSHNELL: You know, how can I know what
 9 went on if there's no documentation?
 10 MS. PENDERGRASS: But I think between some of
 11 the past members and you, I think we can come up with
 12 something like that.
 13 MS. BUSHNELL: Well, we're -- you know, it's
 14 part of the bylaws that we do minutes, attendance,
 15 document it. And as far as I know, there is nothing
 16 that I can look back at to review.
 17 MS. PENDERGRASS: Okay.
 18 MS. LANE: I --
 19 MS. RINES: Just --
 20 MS. PENDERGRASS: Ms. Rines and then Miss Lane
 21 if she has any other light to shed on this discussion
 22 before we have a call for the vote.
 23 MS. RINES: Just part of it too is that what
 24 we're trying to say is -- or from what I understand what
 25 Jackie is saying is that there was a problem with the

1 the RAB. So in that, whether or not it's a person or
 2 whomever, it's executing that evaluation and technical
 3 expertise; is that not correct?
 4 DR. TOMPKINS: Yes, ma'am.
 5 MS. PENDERGRASS: So it's not about the grant
 6 as much as it's about the actual information and product
 7 that's coming from it?
 8 DR. TOMPKINS: The process --
 9 MS. PENDERGRASS: Just want to make sure we are
 10 clear on that piece.
 11 MR. MORRISON: My issue was, when I would ask
 12 for information, I was told that the information --
 13 MS. PENDERGRASS: Mr. Morrison --
 14 MR. MORRISON: -- was given to certain people
 15 and not to other people.
 16 MS. PENDERGRASS: Mr. Morrison, though --
 17 MR. MORRISON: That's a fact.
 18 MS. PENDERGRASS: -- can you refrain from
 19 pointing that finger? That gets us in trouble. Let's
 20 hold that finger. Okay. So maybe you've had some
 21 grievance in the past, and we'll try to move beyond that
 22 without the finger. Okay.
 23 So are we there with that?
 24 So we have had some discussion. Any more
 25 discussion?

1 TAG grant. They are trying to solve that problem.
 2 And basically, part of the problem was: The
 3 information was not getting back to the RAB. So you're
 4 not going to have anything to look at if it didn't get
 5 back to you.
 6 So at this point, if that's what Jackie is
 7 doing is reviewing what has happened and reviewing what
 8 is going over to put this plan into effect, if there is
 9 a problem, we should start from the beginning and go
 10 from there if they need to find out what is happening,
 11 what they are doing, because if I understand the
 12 process, it's a separate entity that reports to Jackie.
 13 Then it turns around, and they do what they are
 14 supposed to do in the contract between them and the
 15 EPA. And that information is then disseminated to us.
 16 MS. LANE: The way it's supposed to work, yes.
 17 MS. PENDERGRASS: All right. Miss Lane, do you
 18 have anything else you'd like to shed on this discussion
 19 before we --?
 20 MS. LANE: I think Mr. Van Houten had a
 21 question, and I still didn't --
 22 MS. PENDERGRASS: It's your turn at this point,
 23 Miss Lane.
 24 MS. LANE: No. I wanted to get clarification
 25 on his question. I want to answer him.

1 MS. PENDERGRASS: Okay.
 2 MR. VAN HOUTEN: No. I was just going to say,
 3 I hope that moving forward that -- when we do, that in
 4 the process we are setting up that there is proper
 5 reporting --
 6 MS. LANE: Right.
 7 MR. VAN HOUTEN: -- to the full RAB from the
 8 committee or from --
 9 MS. LANE: Yes.
 10 MR. VAN HOUTEN: -- whomever --
 11 MS. LANE: Yes.
 12 MR. VAN HOUTEN: -- so we are well informed on
 13 what's happening and there is nothing like this that
 14 happens down the road.
 15 MS. LANE: Right, right.
 16 MS. PENDERGRASS: Okay. Any --?
 17 Dr. Tompkins, will you have the final
 18 discussion item before we call the vote?
 19 DR. TOMPKINS: Yes. In point to address here,
 20 you can sidetrack. Could you rephrase, please, again
 21 your concern early when you first brought up? I wanted
 22 to address it then, and I didn't have an opportunity.
 23 Could you rephrase --
 24 MS. LANE: Just did.
 25 DR. TOMPKINS: -- so I could address your

1 So it was a ha- -- Mr. Morrison is correct: It was
 2 haphazardly by the TAG people. It never came to us or
 3 disseminated when I took over the oversight of the
 4 grant.
 5 MS. PENDERGRASS: Dr. Tompkins --
 6 DR. TOMPKINS: That's why they were fired.
 7 MS. PENDERGRASS: -- the motion here on the
 8 floor and the --
 9 DR. TOMPKINS: I wanted clarity first.
 10 MS. PENDERGRASS: Right, but --
 11 DR. TOMPKINS: It never got back to me.
 12 MS. PENDERGRASS: But the clarity will come
 13 from the motion in terms of the motion is asking for
 14 that kind of report that you just made directly to
 15 Mr. Van Houten, though, to be made as a report to the
 16 entire RAB.
 17 So I'm going to call the question. We have had
 18 discussion on that motion and the second.
 19 So all in favor of having a report made to the
 20 full RAB as discussed in the subcommittee -- Technical
 21 Committee meeting a subsequent discussion in that
 22 committee that's brought forth to the full RAB in terms
 23 of kind of an overview and what's happening to date, all
 24 in favor of that, signify by saying, "Aye."
 25 THE BOARD: Aye.

1 question real quick?
 2 MS. LANE: I think he just did.
 3 DR. TOMPKINS: Very first when you were asking
 4 what took place. It slipped my mind 'cause of the other
 5 stuff.
 6 MR. VAN HOUTEN: I can't remember exactly what
 7 he said.
 8 MS. LANE: I think he did. He just rephrased
 9 it. He was stating that the TAG needs to report
 10 directly to the RAB monthly.
 11 DR. TOMPKINS: That was one of the reasons why
 12 they were dismissed, 'cause they failed to fill that and
 13 was asked of them at a January meeting that they put a
 14 report forth in a nontechnical perspective to the
 15 general body. I have it on a tape recorder. But they
 16 failed to do that and consistently.
 17 Then some information, as far as I'm concerned,
 18 erroneous; and it was reviewed by some of the board
 19 members. It never came to me for review. The documents
 20 did not have the proper stamp of the EPA.
 21 They later then would have the stamp and the
 22 statement of disclosure put on and disseminated.
 23 I stated in the meeting --
 24 MS. PENDERGRASS: Dr. Tompkins.
 25 DR. TOMPKINS: -- had nothing to do with it.

1 MS. PENDERGRASS: Any opposed? Any
 2 abstentions?
 3 All right, then.
 4 We have an action item, I would -- I would say,
 5 in terms of the RAB subcommittee that we might want to
 6 add to the agenda as an action item; but we also have a
 7 motion to make sure that that goes forward, okay?
 8 So the motion will make sure that happens. The
 9 action item will make sure that gets tracked; add it to
 10 the action item list.
 11 MS. WILLIAMS: Who would be responsible for
 12 that action item?
 13 MS. PENDERGRASS: I'm sorry?
 14 MS. WILLIAMS: Who would be responsible for
 15 that action item?
 16 MS. PENDERGRASS: We are going -- well, we're
 17 going to -- Miss Bushnell will be the author of that
 18 one.
 19 Okay. Now, we need to put a time line on that
 20 for the action item which was not as part of the
 21 motion.
 22 So Miss Bushnell, when do you --
 23 MS. BUSHNELL: Yes.
 24 MS. PENDERGRASS: -- think we could come up
 25 with that report back to the RAB? Would that be

1 something that could happen by next RAB meeting or --?
 2 MS. BUSHNELL: I will make every effort to do
 3 that.
 4 MS. PENDERGRASS: Why don't we pick a date and
 5 try to move forward?
 6 MS. BUSHNELL: We haven't --
 7 MS. PENDERGRASS: Do you want do it for June?
 8 MS. BUSHNELL: I think that would be better.
 9 June would give me -- us more time.
 10 MS. PENDERGRASS: Would that make sense?
 11 MS. BUSHNELL: Clearly, there's some decisions
 12 to make.
 13 MS. PENDERGRASS: All right. So we'll put that
 14 on for June -- for the June meeting to be added to the
 15 June agenda? Okay. All rightie, then.
 16 Miss Lane, did you have anything else you'd
 17 like to add?
 18 MS. LANE: No, unless someone's had more
 19 questions.
 20 MS. PENDERGRASS: Thank you.
 21 MS. LANE: Thank you.
 22 *(Applause.)*
 23 MS. PENDERGRASS: All right, then. Let's move
 24 right into our subcommittee reports, and let's start in
 25 the middle with the Technical, mix it up a bit.

1 what they want to do on Parcel B was dig everything up,
 2 and that's not appropriate.
 3 So they are going back and looking at that.
 4 And "B" is potentially the next property to be
 5 transferred to the City, so it's kind of critical that
 6 we all look at it.
 7 They have redefined remedies for remediation
 8 because of the -- like, the zero-valent iron and some of
 9 the other remedies that have -- they've discovered. And
 10 so just digging everything up and replacing it with new
 11 dirt is not really necessary.
 12 People also need to understand that there are
 13 going to be institutional controls put on the land. So
 14 a lot of it's going to be paved over. You won't be able
 15 to put a plantation down there. No cotton next to the
 16 bay.
 17 MS. PENDERGRASS: Okay.
 18 MS. BUSHNELL: It -- I encourage people to go
 19 down to the library and look at it. I'd be happy to,
 20 you know, if people want me to come with them and look
 21 through them, 'cause there's a lot of -- well, it's very
 22 useful, the maps and the tables.
 23 And you can look at the chemicals of concern.
 24 Arsenic being one of the principal chemicals is just
 25 present in the soil because of the serpentine rock

1 MS. BUSHNELL: Okay. Actually, I don't see --
 2 Pat did -- was my secretary last month for the March
 3 29th meeting, which we had after the RAB; and they're
 4 not here tonight, but they exist.
 5 MS. PENDERGRASS: Okay.
 6 MS. BUSHNELL: But basically, we were
 7 discussing the groundwater reports on the Shipyard.
 8 MS. PENDERGRASS: Okay.
 9 MS. BUSHNELL: This month we did the -- we
 10 looked at the TMSRA report, which is, I pointed -- it's
 11 really quite -- it's 9,068 pages, so it's a little
 12 daunting when you look at it.
 13 But Pat talked us through it, and he suggest
 14 you start with the executive summary. It exists in the
 15 Annie Waden Library, so anybody can go down and look at
 16 it today.
 17 It's two --
 18 MS. PENDERGRASS: It's on the Web site as well?
 19 MS. BUSHNELL: Don't think so. But you --
 20 you'd much rather go to the library in the sense that
 21 there are maps and tables that are the fold-out kind
 22 that are much easier to look at when you go down there.
 23 But if you go to the executive summary, I mean,
 24 it's based on the fact that they have done a five-year
 25 review of what they recommend to do on Parcel B. And

1 that's natural out there.
 2 MS. PENDERGRASS: Would it make sense for a
 3 summary or a executive summary to be distributed to all
 4 the RAB members?
 5 MS. BUSHNELL: If they would so like that, I'm
 6 sure that could be arranged.
 7 MR. BROOKS: Yeah.
 8 MS. PENDERGRASS: I don't know if that would be
 9 of interest.
 10 MS. BUSHNELL: Yeah, I would recommend that.
 11 Anyway, that's the Technical Sub.
 12 MS. PENDERGRASS: So are you going to make that
 13 happen?
 14 MR. BROOKS: We will have Carolyn E-mail the
 15 executive summary to the full RAB. That will be a good
 16 start for them.
 17 MS. PENDERGRASS: Shall we add that as an
 18 action item?
 19 MS. BUSHNELL: Well, that's a good idea; but I
 20 also encourage people to go down and look at that, if
 21 they have a chance to get to the library, 'cause those
 22 maps and tables are really useful.
 23 MS. PENDERGRASS: Okay. So did we agree to put
 24 that as an action item, Miss Bushnell?
 25 MS. BUSHNELL: Yes. Thank you.

1 MS. PENDERGRASS: So action item is to have the
 2 executive summary of the --
 3 MS. BUSHNELL: -- from the -- It's the review
 4 of Parcel B TMSRA, the T-M-S-R-A, of the Record of
 5 Decision draft that came out on March 28th, 2006.
 6 MS. PENDERGRASS: Okay. The executive summary
 7 will be E-mailed to all RAB members, okay.
 8 MR. BROOKS: And I'll be responsible.
 9 MS. PENDERGRASS: Okay.
 10 And Pat Brooks will be responsible for that
 11 action item.
 12 Thank you very much.
 13 Mr. Lanphar?
 14 MR. LANPHAR: One thing. One thing to add
 15 would be the due date for comments. Public comment
 16 period ends June 14th.
 17 MS. BROWNELL: 15th.
 18 MS. PENDERGRASS: Okay.
 19 MR. LANPHAR: June 15th is the end of the
 20 comment period.
 21 MS. PENDERGRASS: Very good.
 22 MR. LANPHAR: So that's something to think
 23 about.
 24 MS. PENDERGRASS: Thank you.
 25 MS. BUSHNELL: Thanks.

1 Economic Subcommittee, Mr. Morrison?
 2 MR. MORRISON: As you may know by now, all of
 3 the previous people that have directed the Economic and
 4 Bylaws Committee -- Maurice Campbell, Jesse Mason,
 5 Mr. Hanif -- left no records and left no information for
 6 us to follow. That's -- I guess that's the way the CFC
 7 operates.
 8 But what we have been doing --
 9 DR. TOMPKINS: You need to watch your damn face
 10 in talking about --
 11 MR. MORRISON: You -- I'll say what I want to
 12 say.
 13 DR. TOMPKINS: Get your shit straight.
 14 MR. MORRISON: You get your shit straight.
 15 DR. TOMPKINS: CFC, Mr. Hanif wasn't part of
 16 that. You got a problem with Campbell? Get with
 17 Campbell.
 18 *(Whereupon, simultaneous colloquy:)*
 19 MR. MORRISON: -- what I say.
 20 DR. TOMPKINS: -- discrimination.
 21 MS. PENDERGRASS: Mr. Morrison, please sit
 22 down.
 23 DR. TOMPKINS: Keith did that.
 24 MS. PENDERGRASS: Mis- --
 25 Dr. Tompkins, please stop.

1 MS. PENDERGRASS: All right. Miss Bushnell,
 2 are you done?
 3 MS. BUSHNELL: That's it, yes.
 4 MS. PENDERGRASS: All right. Very good.
 5 Membership and Bylaws Committee. Anybody have anything
 6 to --? Mr. Tisdell is not here. He's gone for the
 7 day. Is there anybody else at the meeting that would
 8 like to make a report?
 9 MS. BUSHNELL: Basically, we had an application
 10 for membership that we felt the person really was more
 11 concerned with what was going to happen with the
 12 Shipyard after it was transferred. And we're really
 13 trying to encourage people from 94124 to become members
 14 rather than people who have considerations about what
 15 happens. And we recommended that he go to the CAC.
 16 MS. PENDERGRASS: Okay.
 17 MR. MORRISON: *(Inaudible.)*
 18 MS. PENDERGRASS: I'm sorry. Mr. Morrison, can
 19 you speak up? What was your question?
 20 MR. MORRISON: Oh.
 21 MS. PENDERGRASS: Okay. Share, folks.
 22 Okay. All right. So that was the summary.
 23 And there are minutes from the Membership and Bylaws
 24 meeting for those of you who want to read that.
 25 All right. The final committee report from the

1 DR. TOMPKINS: But he's already --
 2 MS. PENDERGRASS: Please -- But just please
 3 stop.
 4 DR. TOMPKINS: If you had money, I'd sue the
 5 crap out of you. You ain't got a pot to piss in --
 6 MS. PENDERGRASS: Would you --
 7 DR. TOMPKINS: -- and you --
 8 MS. PENDERGRASS: Will you stop?
 9 MR. MORRISON: You don't know what I have.
 10 DR. TOMPKINS: I'll get you for that.
 11 MS. PENDERGRASS: If you don't stop --
 12 MR. MORRISON: You don't know what I have.
 13 MS. PENDERGRASS: -- I'm going to have to
 14 ask you to leave.
 15 DR. TOMPKINS: Be serious.
 16 MR. MORRISON: I'm always serious.
 17 DR. TOMPKINS: I have no problem with the
 18 truth.
 19 MS. PENDERGRASS: You know what? You guys are
 20 being -- You guys are acting like big babies --
 21 DR. TOMPKINS: No, not babies.
 22 MS. PENDERGRASS: -- because -- Yes, you are.
 23 DR. TOMPKINS: There so many lies and make
 24 slanderous statements.
 25 MS. PENDERGRASS: You're acting like big

1 babies. Just stop, stop.
 2 DR. TOMPKINS: Just be professional. Just --
 3 MS. PENDERGRASS: Mr. Morrison --
 4 DR. TOMPKINS: -- get with the truth.
 5 MS. PENDERGRASS: Dr. Tompkins, just --
 6 MR. MORRISON: I'm tired of coming to the RAB
 7 with no information.
 8 DR. TOMPKINS: That's a lie.
 9 MR. MORRISON: They could have left some
 10 records.
 11 DR. TOMPKINS: That's a lie.
 12 MR. MORRISON: They never left any records.
 13 DR. TOMPKINS: That's an honest discussion --
 14 MS. PENDERGRASS: We're through with the --
 15 we're through with the subcommittee reports --
 16 DR. TOMPKINS: -- but not just some --
 17 MS. PENDERGRASS: -- at this time.
 18 DR. TOMPKINS: -- side comments.
 19 MS. PENDERGRASS: Dr. Tompkins, Dr. Tompkins --
 20 DR. TOMPKINS: I'm trying to --
 21 MS. PENDERGRASS: -- you're out of order.
 22 You're not recognized to speak at this time. Will you
 23 please --
 24 DR. TOMPKINS: My personal comments on the --
 25 MS. PENDERGRASS: -- leave if you have more to

1 Mr. Morrison --
 2 DR. TOMPKINS: -- discriminating at all. What
 3 did I do?
 4 MS. MORRISON: And not lies.
 5 MS. PENDERGRASS: I think we need to adjourn.
 6 MS. RINES: Come on, come on.
 7 MS. BUSHNELL: Yeah.
 8 MR. DACUS: Adjourn, yes.
 9 MS. RINES: Let's go. Let's go. Let's go.
 10 MS. PENDERGRASS: The meeting is now
 11 adjourned.

(Off record at 7:52 p.m., 4/27/06.)

---oOo---

1 go.
 2 DR. TOMPKINS: You're right saying there's no
 3 information, but not side commentary --
 4 MS. RINES: You need to stop.
 5 DR. TOMPKINS: -- about the prime people --
 6 MS. RINES: You're not --
 7 DR. TOMPKINS: -- or their character.
 8 MS. RINES: -- being recognized.
 9 MR. MORRISON: And you don't know what I have.
 10 MS. RINES: You are not being recognized.
 11 MS. PENDERGRASS: Could I have a motion?
 12 MS. BUSHNELL: I make a motion that we end this
 13 because it's not appropriate.
 14 MS. PENDERGRASS: It's not appropriate at all.
 15 Do we have any public comment --
 16 DR. TOMPKINS: You're wrong.
 17 MS. PENDERGRASS: -- at this time?
 18 DR. TOMPKINS: You make a mistake.
 19 MS. PENDERGRASS: We're going to move to
 20 public comment.
 21 Dr. Tompkins, could you please leave --
 22 MR. MORRISON: You're wrong --
 23 MS. PENDERGRASS: -- the meeting.
 24 MR. MORRISON: -- about discrimination.
 25 MS. PENDERGRASS: And Mr. Morrison?

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 11th day of May, 2006


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

June 5, 2006

Diane Silva
SWDIV Records Manager
Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132

Subject: Hunters Point Shipyard Information Repository/Administrative Record Submittals

Dear Ms. Silva,

Enclosed are three copies of the following documents for submittal to the Hunters Point Shipyard Information Repository/Administrative Record:

- Final January 26, 2006 Restoration Advisory Board Meeting Minutes
- Final February 23, 2006 Restoration Advisory Board Meeting Minutes
- Final February 23, 2006 Restoration Advisory Board Meeting Transcript
- Final March 23, 2006 Restoration Advisory Board Meeting Minutes
- Final March 23, 2006 Restoration Advisory Board Meeting Transcript
- Final April 27, 2006 Restoration Advisory Board Meeting Minutes
- Final April 27, 2006 Restoration Advisory Board Meeting Transcript

Please feel free to contact me or Angela Williams (Community Relations Specialist [619-338-0798, ext. 12]) if you have any questions.

Thank you,



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