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HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD

REPORTER'S TRANSCRIPT OF MEETING

SEPTEMBER 28, 2006

City College of San Francisco
Southeast Campus
Alex Pletcher, Jr., Community Room
1800 Oakdale Avenue
San Francisco, California

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

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REGULATORS

G. PATRICK BROOKS - United States Navy
AMY D. BROWNELL - San Francisco Department of Public Health
JACQUELINE ANN LANE - U.S. Environmental Protection Agency (EPA)
JAMES D. PONTON - San Francisco Bay Regional Water Quality Control Board

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PARTICIPANTS

FACILITATOR:
MARSHA PENDERGRASS - Pendergrass & Associates

CO-CHAIRS:
KEITH FORMAN - United States Navy
Project Managers Office (PMO) West
KEITH TISDELL - Bayview-Hunters Point resident

RAB MEMBERS

PATRICIA BROWN - Shipyards artist
CHARLES L. DACUS, SR. - Bayview-Hunters Point resident,
Residents of the Southeast Sector (R.O.S.E.S.)
JESSE MASON - Community Window on the Shipyards
RAYMOND J. TOMPKINS - Bayview-Hunters Point Coalition on
the Environment
ROBERT VAN HOUTEN - Morgan Heights Homeowners
Association

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4

AUDIENCE

THOMAS DIAS - EMS
BILL DOUGHERTY - Tetra Tech ECI
STEVEN HALL - Tetra Tech EMI
CAROLYN HUNTER - Tetra Tech EMI
LAURA L. LOWMAN - United States Navy Radiological
Affairs Support Office (RASO)
RALPH PEARCE - United States Navy
HARRELL POWELL - Bayview-Hunters Point resident
MAURICE ROBINSON - Young Community Developers (YCD)
MATTHEW SLACK - United States Navy Radiological Affairs
Support Office (RASO)
PETER STROGANOFF - United States Navy ROICC Office
ANGELA WILLIAMS - Barajas & Associates, Inc. (BAI)

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5

SAN FRANCISCO, CALIFORNIA, THURSDAY, SEPTEMBER 28, 2006
 6:02 P.M.
 --oOo--
 MS. PENDERGRASS: Hello, everybody. Hello.
 Okay. Welcome to the Hunters Point Shipyard
 Restoration Advisory Board meeting for Thursday,
 September 28th, 2006. So excited that you all could
 join me tonight.
 I'm so excited; I just got back from vacation.
 I just got back from vacation so I have to share with
 you. I am totally not here right now. I'm still on --
 MR. BROOKS: Where did you go?
 MS. PENDERGRASS: Went to Europe: Started in
 London, went to Paris, down to Geneva, over to Venice,
 up to Munich for Oktoberfest -- so yes, I still have a
 beer hangover -- and then on to Amsterdam and back over
 to Paris. So I had a wonderful time. So --
 I beg your pardon?
 MR. ATTENDEE: What did you bring?
 MS. PENDERGRASS: I didn't bring a thing for
 you all. I'm having my English tea, and I'm good to
 go.
 So as we are accustomed, let's welcome
 everybody that's here tonight. And once we go through
 introductions, we will determine whether or not we have

6

a quorum, and then we'll move forward.
 So can we start to my right?
 MR. PONTON: I'm Jim Ponton with the Water
 Board.
 MS. BROWNELL: Amy Brownell, San Francisco
 Health Department.
 MS. LANE: Jackie Lane, EPA.
 MR. FORMAN: Keith Forman, Navy BRAC
 environmental coordinator.
 MR. BROOKS: Pat Brooks, Navy lead Remedial
 Project Manager.
 MS. BROWN: Patricia Brown, Shipyard artist.
 MR. DACUS: Charles L. Dacus, Sr., RAB and
 ROSES.
 DR. TOMPKINS: Dr. Tompkins, Bayview-Hunters
 Point Coalition on the Environment.
 MR. MASON: And Jesse Mason, resident.
 MS. PENDERGRASS: We can go over this way and
 introduce our support staff here.
 MS. WILLIAMS: Angela Williams of Barajas &
 Associates.
 MR. HALL: Steve Hall, Tetra Tech EMI.
 MS. PENDERGRASS: Okay. And we could start
 back here with the table that's following the middle.
 MR. ROBINSON: Maurice Robinson, Young

7

Community Developers.
 MR. VAN HOUTEN: Robert Van Houten, RAB member.
 MR. PEARCE: Ralph Pearce, Navy Remedial
 Project Manager.
 MS. PENDERGRASS: Hi, Ralph.
 MR. STROGANOFF: Peter Stroganoff, Navy ROICC
 Office.
 MR. SLACK: Matthew Slack, Navy's Radiological
 Affairs Support Office.
 MS. LOWMAN: Laurie Lowman, Navy's Radiological
 Affairs Support Office.
 MR. DOUGHERTY: Bill Dougherty with Tetra Tech.
 MS. PENDERGRASS: Sorry. Say it again.
 MR. DOUGHERTY: Bill Dougherty with Tetra Tech.
 MS. PENDERGRASS: Okay. Very good. All right,
 then. Now, let's see. We don't have -- oh, we have one
 more RAB member that just came in. Can you introduce
 yourself?
 MR. FORMAN: Yes, he did.
 MS. PENDERGRASS: He did?
 Did I catch you? I'm sorry. Losing it.
 Do we have a quorum?
 MR. DACUS: Don't look like it.
 DR. TOMPKINS: One, two --
 MS. PENDERGRASS: How many do we need?

8

DR. TOMPKINS: -- three, four, five.
 MS. PENDERGRASS: Okay. Well, I think we only
 need five.
 DR. TOMPKINS: I think that's a quorum out of
 our --
 What is our standing --? Mr. Chair, what is
 our standing membership at this point, Keith?
 MR. FORMAN: I believe -- Members in good
 standing, I believe we have ten.
 MS. PENDERGRASS: Carolyn, do you know? We
 have ten?
 MS. HUNTER: Yes.
 MS. PENDERGRASS: So we need to have five or
 four.
 MR. FORMAN: Five.
 MS. PENDERGRASS: Okay, five.
 DR. TOMPKINS: One, two, three, four, five.
 MS. PENDERGRASS: Four, five. Okay. Very
 good. So we have a quorum, then.
 MR. FORMAN: Very good.
 MS. PENDERGRASS: So we're ready to go on today
 to our agenda. We have a couple of fun things coming
 up, including a radiological program update and the
 Navy's latest treatability study -- oh -- at Unit C-1.
 That is going to be hot. And then we have a few

1 subcommittee reports. That will just take us over the
 2 top tonight.
 3 And is there any -- you know, any question
 4 about the agenda tonight?
 5 Dr. Tompkins.
 6 DR. TOMPKINS: I'd like to add to it.
 7 MS. PENDERGRASS: Mm-hmm.
 8 DR. TOMPKINS: One announce update on the TAG
 9 grant proceedings where we are at in the process. And
 10 at the end of that, I'd also like to make a motion at
 11 the end that we include an update.
 12 MS. PENDERGRASS: You can make that motion at
 13 the end. So --
 14 DR. TOMPKINS: Okay --
 15 MS. PENDERGRASS: -- right now --
 16 DR. TOMPKINS: -- of the report.
 17 MS. PENDERGRASS: Okay.
 18 So is there anybody who opposes adding an
 19 additional item to our agenda, five minutes? Why don't
 20 we do that right before the subcommittee reports? Can
 21 we do that? Okay? All rightie. We'll add it right in
 22 there, "TAG grant."
 23 Okay. All rightie, then. So let's go on to
 24 the minutes. We had some issue with the July 27th
 25 approval, so we had to hold on that. So we have two

1 sets tonight to approve.
 2 Did everybody get an opportunity to review the
 3 minutes from the July 27th RAB meeting? Okay. Has
 4 everybody had an opportunity? I know they were all
 5 E-mailed out again.
 6 All right. So at this point, does anybody want
 7 to put a motion to accept these minutes?
 8 Thank you. What is that motion, Mr. Van
 9 Houten?
 10 MR. VAN HOUTEN: I motio- -- I move that we
 11 approve the minutes as they stand.
 12 MS. PENDERGRASS: For July 27th?
 13 MR. VAN HOUTEN: July.
 14 MS. PENDERGRASS: Excellent.
 15 All right. Do we have a second?
 16 *(Mr. Dacus raises his hand.)*
 17 MS. PENDERGRASS: Okay. Mr. Dacus has
 18 seconded --
 19 MR. DACUS: Second.
 20 MS. PENDERGRASS: -- that motion.
 21 All in favor --
 22 MR. DACUS: I second the motion.
 23 MS. PENDERGRASS: Okay.
 24 All in favor, signify by saying, "Aye." Let's
 25 have a raise of hands, then. All signify by raising

1 your hand if you want to approve.
 2 One, two, three? Just three? Okay.
 3 And those opposed? Abstentions, then? Okay.
 4 Two abstentions.
 5 So the ayes have it, and we have accepted the
 6 minutes for July 27th into the record.
 7 Okay. Let's move to the Restoration Advisory
 8 Board meeting minutes from the last meeting, which is
 9 August 24th. That was an exciting meeting, wasn't it?
 10 Were any of you there? I was there too. We had a great
 11 time. Anybody read these? Everybody read these.
 12 Weren't they just exciting? Okay.
 13 So any questions or comments to them?
 14 Nothing? This is a dead-as-a-doornail meeting tonight.
 15 What are we going to have to do? Do musical chairs or
 16 something?
 17 Anyway, do I have a motion to accept these
 18 minutes into the record from anyone? Mr. Dacus is going
 19 to make that motion --
 20 MR. DACUS: I make a motion that the minute be
 21 accepted.
 22 MS. PENDERGRASS: Excellent.
 23 Any second to that?
 24 MR. VAN HOUTEN: I second it.
 25 MS. PENDERGRASS: All right. We have a

1 second. Whew.
 2 All in favor, signify by raising your hand.
 3 Okay. We have got three raising their hands.
 4 How many don't agree or don't approve? abstain?
 5 Why are you abstaining, Dr. Tompkins?
 6 DR. TOMPKINS: I failed to read my minutes.
 7 Therefore, I don't vote out of ignorance.
 8 MS. PENDERGRASS: I see. All right. So we
 9 have two abstentions, let the record reflect. But the
 10 ayes do carry, and we have accepted the minutes for the
 11 August 24, 2006, RAB meeting into record.
 12 Moving right along. We do have a few action
 13 items that we need to dispose of tonight. Turning to
 14 the last page, let's start with carryover item No. 1:
 15 The Navy will schedule a Hunters Point Shipyard
 16 Environmental 101 class on Saturday once at least three
 17 new members have joined the RAB. This action will be
 18 tabled until there are three new members.
 19 So my understanding, we still don't have three
 20 new members.
 21 MR. FORMAN: Correct.
 22 MS. PENDERGRASS: To be continued.
 23 All right. Number 2: Navy will provide a
 24 presentation on human health risks from groundwater at
 25 the Shipyard for August --

1 MR. FORMAN: Yes.
 2 MS. PENDERGRASS: -- Technical Review
 3 Subcommittee meeting.
 4 Did that happen?
 5 MR. FORMAN: At the Technical Sub- -- Review
 6 Com- -- meeting [sic], Mr. Brooks was there and -- with
 7 Dr. Tompkins, and they discussed the issues surrounding
 8 the Technical Memo in Support of the ROD Amendment on
 9 Parcel B, and the chair recommended tabling the
 10 human-health-risk-for-groundwater-at-Hunters-Point
 11 action item until the October Tech Subcommittee.
 12 MS. PENDERGRASS: All rightie.
 13 MR. FORMAN: So they covered the TMSRA rather
 14 than that item.
 15 MS. PENDERGRASS: The groundwater. So --
 16 MR. FORMAN: Yes.
 17 MS. PENDERGRASS: -- should we -- should we
 18 just keep it on until that happens, or --
 19 MR. FORMAN: Yes.
 20 MS. PENDERGRASS: -- shall we --? Okay.
 21 MR. FORMAN: Recommend you just -- you --
 22 MS. PENDERGRASS: Carry it over?
 23 MR. FORMAN: -- you carry it over.
 24 MS. PENDERGRASS: All right. Very fine.
 25 And then we had a new action item: The Navy

1 Lowman from Radiological Affairs Support Office, who is
 2 with us here tonight.
 3 MS. PENDERGRASS: All right. So that -- I
 4 think that that satisfies that action item.
 5 MR. FORMAN: Yes.
 6 MS. PENDERGRASS: And we'll make sure that
 7 everyone gets a backup or a secondary electronic copy,
 8 okay?
 9 MR. FORMAN: Yes.
 10 MS. PENDERGRASS: Sounds good. We're just
 11 moving right along. We're just knocking those down like
 12 bowling pins.
 13 Do we have any announcements? Since we don't
 14 have a chair, who's acting as co-chair tonight? We
 15 don't have anybody in that position tonight?
 16 MR. FORMAN: Well, one of my Navy announcements
 17 is from Mr. Tisdell.
 18 MS. PENDERGRASS: Okay.
 19 MR. FORMAN: So Navy announcements. Couple of
 20 things I want to mention. The August 26th tour that
 21 Marsha mentioned that was an action item was highly
 22 successful. There were somewhere around 55 folks that
 23 we took on the tour, 55 folks, yeah, well above what we
 24 had expected, and that's great. Was a good tour.
 25 We didn't leave the bus. But what we did do

1 will provide Mr. Kao, a RAB member, and the RAB with the
 2 standard protocol for step-out process with Parcel B
 3 storm drain --
 4 MR. FORMAN: Yes.
 5 MS. PENDERGRASS: -- and sanitary sewer removal
 6 action.
 7 MR. FORMAN: Yes. The progress to report on
 8 that is: It -- The resolution setup as listed is in
 9 progress, but --
 10 MS. PENDERGRASS: It's been satisfied?
 11 MR. FORMAN: Well, it has. What Carolyn
 12 Hunter's going to do tomorrow is: She's going to
 13 electronically distribute it to everyone. Tonight
 14 everyone should have had a handout, and the name of the
 15 handout is the extract that Mr. Kao called for or it's
 16 representative of what he called for. It's called "From
 17 the IR-02 Work Plan," in other words, Site 2 work plan,
 18 "Section 5.8 --"
 19 MS. PENDERGRASS: Oh, I see.
 20 MR. FORMAN: -- "Identification and Removal of
 21 Radioactive Material."
 22 MS. PENDERGRASS: Okay.
 23 MR. FORMAN: And my request is that everyone
 24 here read this; and if there are any questions, please
 25 feel free to come ask me or Mr. Brooks or Ms. Laurie

1 is: We stopped at various intervals, and I think it
 2 was -- the feedback we got was that people were very,
 3 very happy with it. They learned a lot about the base.
 4 And because of that, in the future, I think
 5 in -- sometime in calendar 2007, we may do it again and
 6 then play again with what exactly we do; and there might
 7 be an opportunity to actually leave the bus. We'll try
 8 and figure out how that could be done.
 9 But it was a large group, a happy group, and I
 10 think they learned a lot. I got a lot of positive
 11 feedback after the tour.
 12 MS. PENDERGRASS: Excellent.
 13 MR. FORMAN: Okay. October 26th is our next
 14 RAB. That's Thursday, October 26th. The difference
 15 will be, I guess it will be pretty dark by the time we
 16 have a RAB meeting on October 26th. So that will mean
 17 we will have a whole different level of illumination for
 18 the presentation.
 19 Keith Tisdell called me this afternoon, and he
 20 is working hard at the Shipyard at his job, and he just
 21 wanted to let all of you know that he will not be
 22 getting off until 7 p.m. tonight, and that's something
 23 that he can't -- he can't control. But he will come
 24 over here immediately after he leaves the job site at
 25 7:00, and you should expect to see him shortly after

1 that.
 2 And one last item, and it applies to the action
 3 item for Mr. Kao and for all of you on Section 5.8 from
 4 the IR-02 work plan.
 5 I just want to point out that because it is a
 6 section of the work plan that is relevant to the
 7 questions that Mr. Kao raised, there's a couple acronyms
 8 in there that, if you get a chance -- when you get a
 9 chance to read it, I just want to alert you to.
 10 One of them is the acronym RSO, and RSO stands
 11 for radiation safety officer. And we've used that
 12 acronym before; but, you know, just want to alert you to
 13 that. And then the other acronym is RCT, which is
 14 radiation control technician.
 15 So the RSO being the radiation safety officer,
 16 and the radiation control technician being the RCT, the
 17 guy who is out in the field with instruments helping to
 18 survey when we are doing excavation and investigation.
 19 So please read this; and if you have any
 20 questions during the break or after the RAB meeting,
 21 come up to one of us -- myself, Mr. Brooks, or
 22 Ms. Lowman -- and we'd be happy to discuss any item from
 23 Section 5.8.
 24 And that concludes Navy announcements.
 25 DR. TOMPKINS: Mr. Forman, Mr. Forman --

1 THE COURT REPORTER: I didn't hear that. I'm
 2 sorry.
 3 MS. PENDERGRASS: Radiological --
 4 MR. FORMAN: The ra -- radiological technical
 5 manager, or RTM. In this case, it's applying to the RTM
 6 that works for New World Technologies, NWT.
 7 MR. MASON: I want to --
 8 MR. FORMAN: And again -- I'm sorry. Whenever
 9 you use an extract, a section, out of a report --
 10 MS. PENDERGRASS: Yeah.
 11 MR. FORMAN: -- it basically contains acronyms
 12 that are contained in the report but not in the section
 13 itself.
 14 MR. MASON: Listen, I want to make an
 15 announcement.
 16 MS. PENDERGRASS: Just a minute, though.
 17 Mr. Van Houten had asked a question first and then you,
 18 okay.
 19 MR. VAN HOUTEN: I just want to real quick go
 20 back to the tour and thank both Keith and Carolyn for
 21 all their time and effort because it was greatly
 22 appreciated by the Morgan Heights Association members
 23 and the neighborhood. I think it was really good. A
 24 lot of people, like he said. All they see is a hill,
 25 which is slowly disappearing, but all they see a hill,

1 MS. PENDERGRASS: Mr. Van Houten?
 2 DR. TOMPKINS: -- for clarity.
 3 MR. FORMAN: Yes. Yes, sir.
 4 MS. PENDERGRASS: Okay.
 5 DR. TOMPKINS: There's one other acronym on the
 6 document, first paragraph, third line, TtF- -- T, small
 7 "t," FW. It's right next to "RSO" and also --
 8 MR. FORMAN: Oh, very good. Thank you. T,
 9 small "t," uppercase FW is Tetra Tech Foster Wheeler.
 10 That's the contractor's name.
 11 DR. TOMPKINS: Okay.
 12 MR. FORMAN: So wherever you see "TtFW," that
 13 is the contractor who's on this project, TtFW.
 14 DR. TOMPKINS: Thank you.
 15 MR. FORMAN: And the other acronym -- thank you
 16 for reminding me -- on that third line is "NWT," would
 17 be New World Technologies. And New World Technologies
 18 is one of the subcontractors to Tetra Tech Foster
 19 Wheeler for this job.
 20 DR. TOMPKINS: RTM?
 21 MR. FORMAN: Pardon?
 22 DR. TOMPKINS: RTM, right next to it.
 23 MR. FORMAN: That should be the technical
 24 manager.
 25 MS. LOWMAN: Radiological technical manager.

1 and they're not really sure what's on the other side of
 2 that hill.
 3 So it was really nice for them to see really
 4 the different areas. And a lot of information, a lot of
 5 rumors were wiped out too, which was kind of nice on the
 6 tower, 'cause people said, "Well, I hear that this is
 7 this"; and it was right away say "No, that's not the
 8 case."
 9 So it was really nice, and it was a great tour,
 10 and everybody enjoyed it, myself included. Thank you.
 11 MS. PENDERGRASS: Excellent. Excellent.
 12 Mr. Mason.
 13 MR. MASON: Yeah. I also want to congratulate
 14 New World Technologies too because they are also hiring
 15 a lot of people from the community.
 16 But I want to tell you that I'm not feeling too
 17 well tonight, and I'm coming down with maybe the flu or
 18 something, so I'm not going to be here long.
 19 My economic report speak for itself. I forgot
 20 to put Ray Tompkins' name down as one of the attendees.
 21 And the percent we're talking about is 25 percent. So
 22 I'm going to hang as long as I can.
 23 MS. PENDERGRASS: Thank you, sir. Excellent.
 24 Miss Brown?
 25 MS. BROWN: I -- Is --? I don't know when to

21

1 put this in, but I have an announcement about the death
 2 of a former RAB member I was asked to announce. Georgia
 3 Oliva died the first part of September.
 4 MS. PENDERGRASS: Georgia Oliva died?
 5 DR. TOMPKINS: She died from cancer.
 6 MS. BROWN: Lung cancer, yeah.
 7 DR. TOMPKINS: That's part of why she stepped
 8 down. It's not someone is not interested. It's just
 9 her health --
 10 MS. PENDERGRASS: Oh --
 11 DR. TOMPKINS: -- with that.
 12 MS. PENDERGRASS: -- bless her heart.
 13 DR. TOMPKINS: So in our debate in terms of
 14 discussing rules and regs, we should thank on a positive
 15 side of people's participation, not all this negative
 16 and they walked away. And unfortunately, now we've lost
 17 a member of this board who participated and cared about
 18 the community.
 19 That's all. Thank you.
 20 MS. PENDERGRASS: Okay.
 21 MS. BROWNELL: Yeah.
 22 MS. PENDERGRASS: Yes, ma'am.
 23 MS. BROWNELL: Just wanted everybody to know,
 24 there was fliers on the back table. This Saturday, two
 25 days from now, from 10:00 to 5:00, there's a community

22

1 meeting. The first session is about the Lennar
 2 Corporation and redevelopment and purely redevelopment
 3 issues.
 4 But the second session is about the dust
 5 control and asbestos control programs on Parcel A. And
 6 yours truly -- that would be me -- is going to be there
 7 along with other folks. And if you're at all interested
 8 in what's going on on Parcel A, I urge you to attend.
 9 That second session is from 2:00 to 5:00. But if you
 10 want the lunch, you need to be there at noon.
 11 MR. MASON: And they are serving breakfast and
 12 lunch. Navy?
 13 MS. PENDERGRASS: Excellent. Does everybody
 14 have that --?
 15 MR. ATTENDEE: No, no, no, no.
 16 DR. TOMPKINS: I like that.
 17 MS. PENDERGRASS: Does everybody have that -- a
 18 copy of that flier?
 19 MR. MASON: It's on -- it's on the table.
 20 DR. TOMPKINS: There are some on the table.
 21 MS. PENDERGRASS: Okay.
 22 MS. BROWNELL: You know what? I better do one.
 23 MS. PENDERGRASS: Yes, ma'am.
 24 MS. BROWNELL: Related to that, as you will
 25 hear at that session on Saturday, there's some

23

1 difficulties that Lennar has had with their asbestos
 2 air-monitoring data; and as part of my investigation
 3 into those difficulties, I found another irregular thing
 4 on their dust control program.
 5 So I've had to issue another amendment to the
 6 previous NOV's. I've issued two: one on Jul- -- as a
 7 result of an inspection on July 7th. Another is an
 8 inspect -- of an inspection on August 9th. And so this
 9 is just an amendment to that to point out that they
 10 failed to do something that they were supposed to have
 11 done as part of their dust control.
 12 So I have extra copies if anybody wants to see
 13 one.
 14 DR. TOMPKINS: Can I get one?
 15 MS. PENDERGRASS: All right. Very good.
 16 DR. TOMPKINS: Afterwards. That's fine.
 17 MS. PENDERGRASS: It sounds like we're going to
 18 have to start adding to the Navy community co-chair
 19 announcements to its general announcements, huh.
 20 Moving right along.
 21 Mr. Forman, are you finished?
 22 MR. FORMAN: I am with Navy announcements, yes.
 23 MS. PENDERGRASS: Okay. Any other
 24 announcements, though? I think we're all set with
 25 that. Well, we're just rolling right along.

24

1 Mr. Tom- -- Dr. Tompkins.
 2 DR. TOMPKINS: Can I ask that we do a little
 3 bit amendment on the agenda in terms of subcommittee,
 4 since Jesse is sick and he may not be here and he
 5 chaired the committee, if we could move that and have
 6 those committee reports, since rather than him being
 7 absent?
 8 MR. MASON: Somebody get up.
 9 MS. PENDERGRASS: Okay. Does anybody have a
 10 problem with that?
 11 MR. FORMAN: I have no problem with that at
 12 all. We were just -- That would be our next event?
 13 DR. TOMPKINS: Yes.
 14 MR. FORMAN: Next item on the agenda?
 15 DR. TOMPKINS: Let that be the next item.
 16 MR. FORMAN: Would be all the subcommittee
 17 reports or just the economic?
 18 MS. PENDERGRASS: Why don't we just take the
 19 economic --
 20 MR. FORMAN: Okay.
 21 MS. PENDERGRASS: -- so we don't get too far
 22 behind.
 23 MR. FORMAN: Okay.
 24 MS. PENDERGRASS: Okay.
 25 Mr. Mason, if you feel up to it, do you think

1 you can --
 2 MR. MASON: Yeah.
 3 MS. PENDERGRASS: -- go ahead and do a report?
 4 MR. MASON: This report, we started the meeting
 5 off with the agenda of the conveyance agreement with the
 6 City and the community had with the Navy and the
 7 Redevelopment Agency developer Lennar Builders.
 8 We're talking about preference, community --
 9 local community contractor preferences. It's a big
 10 issue with the Navy because the Navy doesn't consider
 11 preference something we should be involved with.
 12 But the community clearly is not involved with
 13 any of the work that's going on out at the Shipyard,
 14 because we have out-of-st- -- out-of- -- out-of-st- --
 15 out-of-town contractors coming up bidding on projects
 16 that are eliminating the community's participation. And
 17 this comes through their bidding and the price that they
 18 are paying.
 19 So, you know, I'm not going to beat this, you
 20 know, up. Wrote a portion of the conveyance agreement
 21 in the -- in my report, and it talks about locally
 22 community businesses' preferences for first choice.
 23 So -- and we're talking about maybe a
 24 25 percent referendum on bidding. You know, we think
 25 that the community needs those. The small business

1 community contractors need those, those percentage
 2 points.
 3 There was a situation couple years back before
 4 Jimmie -- Jimmie Potts passed where he bid on a
 5 project with CKY, and we found out last month with that
 6 September -- last meeting --
 7 DR. TOMPKINS: Yeah, our last meeting.
 8 MR. MASON: Yeah -- that they both had the same
 9 price.
 10 DR. TOMPKINS: Scores.
 11 MR. MASON: The same scores on the bidding.
 12 By rights, Jimmie Potts should have got the
 13 contract because he was a local community contractor.
 14 And if we had applied the percentage for the community
 15 contractors, you know, we would have been -- we would
 16 have been in that situation.
 17 MS. PENDERGRASS: Mr. Mason, so this was --
 18 this is what you all discussed at the --
 19 DR. TOMPKINS: Yes.
 20 MR. MASON: Yeah.
 21 MS. PENDERGRASS: -- Economic Subcommittee?
 22 DR. TOMPKINS: Yes.
 23 MR. MASON: Yeah.
 24 MS. PENDERGRASS: So kind of summarize the
 25 conver- --

1 MR. MASON: Well --
 2 MS. PENDERGRASS: -- sation to the point.
 3 MR. MASON: -- the report speaks for itself.
 4 MS. PENDERGRASS: Okay.
 5 MR. MASON: All you have to do is read it.
 6 MS. PENDERGRASS: All right.
 7 MR. MASON: Okay? So I'm not feeling well, so
 8 I'm going to get up out of here.
 9 MS. PENDERGRASS: Okay. Thank you, sir.
 10 MR. MASON: Ray, I'll talk to you.
 11 DR. TOMPKINS: Okay.
 12 MS. PENDERGRASS: All rightie. If we can get
 13 back to our agenda, then it's time for our radiological
 14 program update.
 15 MR. FORMAN: Yes, and I'd like to just alert
 16 everyone that there are so -- we have a couple special
 17 guests from the Radiological Affairs Support Office:
 18 Ms. Laurie Lowman is here and Mr. Matt Slack, and they
 19 both diligently work on Hunters Point, and they have so
 20 for some time.
 21 The presentation tonight will be given by your
 22 radiological program manager on the base, Mr. Ralph
 23 Pearce.
 24 Thank you, Ralph. We might --
 25 MR. PEARCE: Thanks.

1 MR. FORMAN: -- turn the lights.
 2 MR. PEARCE: Easier to see the presentation.
 3 All right. This is going to be a radiological update
 4 and primarily a focus on Parcel B.
 5 MR. FORMAN: I think you can -- if you could
 6 hand Mr. Pearce --
 7 MR. PEARCE: Yeah, it might be easier.
 8 All right. I think you all know where Parcel B
 9 is, and Matt can show the general area on the map there,
 10 show where Parcel B is. Let's wait for our slide to
 11 change here.
 12 All right. As I said, I'm focusing on
 13 Parcel B, but our project work scope primarily is
 14 removing the impacted sanitary and storm water piping --
 15 this is the large project we have been working on for
 16 some time here -- and also the associated soils, the
 17 soils above and around the pipes, as part of that as
 18 well as some of these storm and sanitary pipes on a
 19 small portion of Parcel C, right -- mostly on the edge
 20 where Parcel B and Parcel C meet up where it just makes
 21 sense to finish out a pipeline run in order to get all
 22 of the pipes on Parcel B done at one time.
 23 We are also focusing on an area near
 24 Building 813, which Matt can show you on the map there,
 25 and it's on Parcel D, and it's that large four-story

1 building area that was formerly part of Parcel A.
 2 In addition to our storm and sanitary sewer
 3 removal project, we also have the -- some surveys,
 4 radiologically -- radiological surveys, of our impacted
 5 buildings. The Historical Radiological Assessment that
 6 came out in 2004 listed a series of buildings across the
 7 base, but -- and we're focusing as part of this work on
 8 those -- the buildings that are listed in Parcel B. So
 9 we complete -- trying to get all of the radiological
 10 work in Parcel B done at one time.

11 And our goal for the work is -- both for the
 12 buildings and then certainly for all the sewer work is
 13 to get what's called a free release for reuse, or
 14 unrestricted release -- reuse, from the California
 15 Department of Health Services. They are the regulatory
 16 agency, California, that focuses on radiological issues,
 17 and we prepare our final status surveys from all of our
 18 work from the buildings and the sewers in order to
 19 meet -- show that we meet the standards that these sites
 20 are clear or clean for this unrestricted reuse.

21 THE COURT REPORTER: Can you speak a little bit
 22 slower?

23 MR. PEARCE: Sure.

24 THE COURT REPORTER: I'm having difficulty
 25 understanding every single word.

1 MR. PEARCE: Okay.

2 THE COURT REPORTER: Thank you.

3 MR. PEARCE: I'll try.

4 We also have the ongoing survey of the keel
 5 blocks that are located throughout Hunters Point
 6 Shipyards. I think we have talked about the keel blocks
 7 before. They are these very large odd-shaped concrete
 8 blocks, often weigh a few tons each, that are -- that
 9 are -- used to be used in the dry docks to hold the
 10 ships up when the water's pumped out. They just help
 11 stabilize the ship.

12 But these -- all these keel blocks, because
 13 they were used in the dry docks, we are going to be also
 14 conducting radiological surveys of them to determine if
 15 they are clear and not radiologically.

16 Okay. The work completed: This -- focusing
 17 here at this point primarily on the storm drain and
 18 sewer removal project in Parcel B. As of
 19 September 22nd, we've taken out about 7200 linear feet
 20 of the storm and sanitary sewer so far as well as the --
 21 obviously, the overburden and peripheral material.

22 And when we are talking about that, the
 23 overburden, we're talking about soils that are located
 24 above the pipes that -- we have to remove that soil in
 25 order to get down to the pipes.

1 And when we talk about peripheral materials,
 2 we're talking about soil that's within 1 foot of the
 3 pipes, very close to the pipes, or adjacent to it, and
 4 also the pipes themselves.

5 The 7200 linear feet is about 1.4 miles of
 6 pipelines we have already removed. All of Parcel B adds
 7 up to be about 5 miles of pipelines that will be done
 8 when the project is complete on Parcel B.

9 In addition to the pipes that are shown on all
 10 of our maps, we also have removed already 680 feet of
 11 what we call undocumented piping. This is piping that
 12 wasn't on our original maps. When we're digging down,
 13 we might find an extra pipeline run, and we've also --
 14 that's the extra pipe we have run into and removed.

15 Our total overburden soil removed so far -- and
 16 the overburden, once again, is that soil all above the
 17 pipes -- is 10,000 -- over 10,800 cubic yards. And the
 18 peripheral soil, or the soil right adjacent to the pipes
 19 within 1 foot, we have removed 12,000 cubic yards to
 20 date or as of September 22nd.

21 Of the materials we have removed already, the
 22 radiologically contaminated materials, we have found
 23 some.

24 We found -- About 553 cubic yards of the
 25 overburden and the peripheral soils that we have scanned

1 has turned out to be radiologically impacted and
 2 contaminated, and that -- we are going to have to
 3 dispose of that material off site. And that material is
 4 typically, once we identified as radiologically
 5 contaminated, we load it immediately into our waste --
 6 rad waste disposal bins, and it's then sent off site for
 7 off-site disposal out of state.

8 We have also found 37 feet of pipe and two
 9 catch basins that were -- have been contaminated.

10 And catch basins are just like a large what I
 11 call a manway, like a large structure when people wo --
 12 had to ente- -- walk -- basically walk down into the
 13 sewer, be a little access to sewer underground. They go
 14 through, like, a manhole on any street; and then it's
 15 the whole catch basin type, all the concrete and all the
 16 bricks associated with that.

17 And we have also found 39 feet of the -- what
 18 we call the undocumented pipe, the pipes that weren't on
 19 our original maps. When we're removing those pipes, we
 20 are also doing our radiological investigations on all of
 21 the pipes, and we have -- 39 feet of that has been
 22 determined to be contaminated as well.

23 When we are done with our work and we have done
 24 our survey work in order -- of the trench -- of the open
 25 trenches, in order to obtain clearance, we then are able

1 to start backfilling with backfill that we have made
 2 sure is also clear, radiologically clear.
 3 And that backfilling has already begun in what
 4 we call Survey Unit 1. It's an area on the one far end
 5 of Parcel B. I think Matt can show you just roughly
 6 where that trench was that we have already completed our
 7 backfill of.

8 One of the other items we talked about, we had
 9 a meeting with the artists, I believe, the artists that
 10 are tenants in Parcel B on Wednesday afternoon. And one
 11 of their concerns is: They have a -- what's called an
 12 open house. I think you are all familiar with that. I
 13 believe it's on the 28th and 29th of October, last
 14 weekend in October.

15 And so they are -- they're working -- they want
 16 to be able to prepare and be able to access their areas
 17 more fully than they are right now.

18 Right now we have some pedestrian access for
 19 the artists in their buildings. But we're -- we have
 20 committed to them that we are going to be down in our
 21 area and be able to fill our trenches up in the artist
 22 areas in that part of Parcel B by October 13th.

23 And we are working diligently to do that.
 24 We're working six days a week, and we are -- we're
 25 trying to make sure that we are able to clear out from

1 also collect any sediments that are inside the pipes.
 2 And in some of these sediments collect -- that we
 3 collect and test, we found the cesium at
 4 1.393 picocuries per gram. And once again, just to give
 5 you a feel for it, our release limit for the cesium-137
 6 is .113.

7 And while we do analysis for strontium-90 and
 8 we have detected some -- and none of it has been
 9 detected over the release limit, and our release limit
 10 for strontium-90 is .331 picocuries per gram. So we
 11 found no radioactive contamination of strontium-90 to
 12 date based on our sampling.

13 Okay. Some of our other associated work that's
 14 going on on Parcel B from a radiological perspective:
 15 We have some work plans in preparation for the dry docks
 16 which are just -- this is in order to do survey --
 17 radiological surveys of the Dry Docks 5, 6, and 7, which
 18 are located -- I think Matt can point them out on the --
 19 on the map for just Dry Docks 5, 6, and 7.

20 These are the smaller dry docks at the base,
 21 and they were used as subpens and basically for
 22 submarines and then also for some ships and also the
 23 berths, which are located all along the water. They
 24 were location for the ships could pull up adjacent to
 25 the shore. And those are ships berths and as well as

1 their areas by October 13th allow, them in for complete
 2 access to their buildings so they are able to prepare
 3 for the open house -- Open Studios last week in -- of
 4 October.

5 Of the radioactive contamination we found to
 6 date, this slide is just to show you -- give you a
 7 better feel for, I guess, the levels of contamination we
 8 have been running into. We have three isotopes here:
 9 radium-226, the cesium-137, and strontium-90. These are
 10 the three isotopes that ha- -- were identified as
 11 isotopes of concern with the sewer removal project and
 12 the Historical Radiological Assessment.

13 For the radium-226 and the overburden
 14 peripheral pipe sediment, out of all the samples we've
 15 collected, our highest single hit was at 4.22 picocuries
 16 per gram. And just to give you a feel for that, our
 17 release limit where we're -- basically what we are
 18 shooting for when we identify it as good or bad --
 19 there's a certain level of background radium-226 as
 20 well -- is 1.485.

21 So we have -- certainly, we are seeing some
 22 contamination, but it's not all that much greater above
 23 our -- what we said is our release limit.

24 For the cesium-137, we found that in pipe
 25 sediments. When we -- when we take the pipes out, we

1 the work plan to do radiological survey at the shoreline
 2 and also for Building 142.

3 We have some ongoing surveys going on in
 4 Buildings 146 and 157 on Parcel B. We have completed
 5 the surveys at Building 813. 813 is that building
 6 close -- is on Parcel D, as in delta, and it's -- was
 7 formerly part of Parcel A a while back.

8 And that survey -- The actual field survey
 9 work is complete. And we have -- The internal draft
 10 survey report's complete for Buildings 114, also 813, as
 11 I just mentioned, and also 819. 819 is a sewer pump
 12 station located also on Parcel D right not too far from
 13 Building 813 is where Matt's showing you on the map.

14 And as I mentioned, we have these keel blocks,
 15 these large concrete blocks weighing several tons each
 16 usually, and they are located throughout the base, and
 17 that's an ongoing survey project. There's a couple
 18 thousand of those located across the base, and that's
 19 part of the radiological survey work we are doing right
 20 now.

21 Okay. And then I just have a -- basically a
 22 series of pictures being able to show some of the work
 23 that's going on right now.

24 This is on Parcel B part of the sewer
 25 excavation work where we're taking up the storm and

1 sanitary sewers. And this is a shot, I believe, from
2 Galvez looking down on English Street.
3 And that is our excavator. This is another
4 shot very near there. And it shows in the very
5 center -- it's a little hard to make out, but one of
6 these manways, or catch basins, that we talked about.
7 At the very top, it used to be ground level, and there's
8 basically a big round manway that would allow you to --
9 allows a person to access the sewers when they were
10 buried under- -- underground.

11 And so this is about a 16-foot deep excavation
12 where we are taking out all the pipes, and this
13 manway -- this structure also will be removed or has
14 been removed since this photo's been taken.

15 This is another shot of the trenching for the
16 pipe removal. You can see a manway cover in the very --
17 in the foreground there, and you can see the open trench
18 leading off into the distance.

19 This is what's called hot topping -- hot
20 tapping of piping. This is when we find sometimes --
21 in undocumented pipes, we need to tap into them and find
22 out if there is anything inside them. A lot of times
23 they are empty. Sometimes they could contain fuel oil
24 or something.

25 So when we find a pipe, we go through this

1 process hot topping [sic]. It allows a way to safely
2 access the inside of the pipe without just sawing it in
3 half, just basically is drilling a small hole into it.

4 And this is just when once that hole has been
5 drilled and they have access to the pipes, that we
6 sample to determine if -- what's in the pipe, if
7 anything.

8 And these are just a few photos of the -- some
9 of the pipe sections that have been removed already, and
10 typically -- you can see they are -- they're numbered as
11 they come out in pieces.

12 The -- Some of the pipes are -- will break up
13 as we are doing the peripheral soil, the soil right
14 adjacent to the pipes. And if that's the case, the
15 broken pipe is treated along with that peripheral soil
16 and taken off for scanning just along with the soil.

17 But in some cases, the pipe is intact, and we
18 keep track of that and take it out for sampling. We
19 take any sediments out of the inside of it, and we also
20 do what's called swipe sampling in order to determine
21 that -- once again, we're looking for any contamination
22 on those pipes.

23 This is just a shot of some of the debris
24 that's encountered during the -- during the
25 excavations. Different type of debris. Some types is

1 concrete. Other types is miscellaneous debris.

2 This is a picture of transfer of soil for
3 radiological screening. This is a dump truck, the
4 backside of a dump truck, being tilted over. This truck
5 was loaded with from one of our excavation areas where
6 we are removing the soil above -- say, above or -- this
7 could be either above or adjacent soil.

8 And it's taken over to our radiological
9 screening area. This as a large area that we spread the
10 soil out on in order to do our radiological screening
11 on. We must spread it out to about 6 inches in depth.
12 I guess there's not too much to say about that. It's
13 just dumping it on -- before it's spread out.

14 And this is just a shot of -- another shot of
15 radiological screening area, which is located on the one
16 end of Parcel B in what we call IR-07 and 18. It's in
17 the far end of the base. And it's divided into large
18 sections where we are able to spread the soil out and
19 conduct our surveys, both in the scanning survey and
20 also collecting the screened samples along the way for
21 radiological analysis.

22 Once the soil is cleared radiologically, we
23 move the soil off of our screen pad area in order to
24 make more room to screen additional soil. And some of
25 the soil that if it comes from a -- an IR site,

1 installation restoration site, we have certain
2 contaminants that we need to sample for to find out if
3 that soil was contaminated or not with chemicals. At
4 this point, we've already cleared it for radi- -- any
5 radiological issues, but we're looking for any
6 chemicals.

7 So we move it off to another -- another soil
8 [sic] stockpile -- soil stockpile area, and we do our
9 chemical sampling. And a chemical sampling takes a
10 few -- typically a week or two to get the results back.

11 This is a picture of one of the radiological
12 waste bins. That's that's -- that green rectangle
13 there. These hold about -- usually around 14 yards of
14 soil we load into them.

15 And once we find any co- -- radiologically
16 contaminated soil, it's put into this type of bin.
17 That's also the device that used to move the bin
18 around. It's that truck-like tilted device on the
19 right-hand side of that, and it just allows us to pick
20 the -- pick these bins up and either load them onto a
21 truck for -- once they're full for hauling off site or
22 just to move around the yard if we need to -- if we have
23 to so they get filled up.

24 The bins are secured. There's a metal lid on
25 top, and it's how we're able to transport -- transport

1 the soil out of state for disposal for radiological
 2 materials.
 3 This is just a picture of one of the many dust
 4 trucks that we use at the site. I think we use over
 5 about a million gallons a month for part of our
 6 dust-control efforts all along on Parcel B.
 7 And this is just the wa- -- The water truck
 8 just drives around, basically, and spreads enough water
 9 to keep the soils moist enough to help keep the dust
 10 down.
 11 This is a picture -- I'm not sure we've shown
 12 this picture before. This is one of the scanning tr- --
 13 scanning of a truck. When we load a truck up with soil
 14 where we're doing the ex- -- actual excavation of a --
 15 in an area in Parcel B, that soils needs to be
 16 transferred over to our screening area on the far end of
 17 Parcel B in IR-07 and 18 area.
 18 So when -- in order to do that, we use these
 19 large dump trucks. And before the truck leaves, we --
 20 each of the areas we are doing our digging is a -- we --
 21 it's basically a control-zone area, and we want to make
 22 sure that if there is any radiological contamination,
 23 that none of it is tracked or spread from that site.
 24 So once a truck is loaded to be able to take it
 25 over to the screening yard for additional screening, we

1 bay, since we have -- in some cases we've removed the
 2 underground storm water piping.
 3 But this is just a picture of the trench. It's
 4 been filled up already with our clean soil, and this
 5 trench has been cleared radiologically.
 6 And I think that's our last photo. Okay.
 7 MS. PENDERGRASS: Thank you very much. And
 8 we'll take some questions here and --
 9 Okay. Do we have another microphone so that he
 10 can have one to respond to the questions?
 11 MR. FORMAN: Very good.
 12 MS. PENDERGRASS: So let's start with
 13 Dr. Tompkins, then --
 14 DR. TOMPKINS: Okay.
 15 MR. FORMAN: We might want the lights to come
 16 back up too. Good.
 17 DR. TOMPKINS: And he said, "Let there be
 18 light."
 19 On this shot here [indicating] when you were --
 20 this particular slide, page 3 --
 21 MR. PEARCE: Yes, that's the --
 22 DR. TOMPKINS: -- on the --
 23 MR. PEARCE: -- the slide with the -- the
 24 contamination we had found in our release limits.
 25 DR. TOMPKINS: Right.

1 first scan out the wheels and make sure there's not --
 2 it's not tracking or carrying any radiological material
 3 to spread it around at all. And then this truck would
 4 then head over to the radiological screening yard, which
 5 you saw a photo earlier, where we dump the soil, and
 6 that soil would be -- would be spread and scanned.
 7 This particular truck, you can see, has a green
 8 square on it, and that's just a way we use to easily
 9 categorize the trucks. The trucks with the green
 10 squares are hauling overburden soil, the soil that's
 11 above the pipes; and the trucks with the red squares on
 12 the front we use to haul the peripheral soil for the
 13 soil that's within 1 foot of the pipes.
 14 And this is the -- in Survey Unit 1 on
 15 Parcel B. This is the first backfilled trench. Once we
 16 have our surveys completed in the trench and we have our
 17 approval from RASO, from Laurie and Matt, for doing that
 18 clearance, we then have -- we basically -- our end goal
 19 here is to be able to backfill the trenches back up.
 20 And that's what we have done here, and it's what a
 21 picture -- it's a picture of.
 22 Once this is complete, in some of the areas,
 23 we'll -- we will be building swales, our way to -- for
 24 the storm water that falls over the course of the winter
 25 and in the future years to be able to drain off into the

1 MR. FORMAN: Yeah. Hold on for just one second
 2 so the RAB can -- everyone can see Dr. Tompkins' --
 3 MR. PEARCE: Yes, that's right.
 4 MR. FORMAN: -- the picture you're referring
 5 to.
 6 DR. TOMPKINS: Yes. Thank you.
 7 MS. PENDERGRASS: Okay.
 8 DR. TOMPKINS: Out of that -- My background's
 9 not in radiological chemistry.
 10 What are these products were originally
 11 associated or used for?
 12 And what would then be the health risk factor?
 13 Before we had a physician on board and now we don't. So
 14 what would be the health risk factor to the population
 15 as well?
 16 MR. PEARCE: Okay. I can s- -- I can start
 17 with that, and then Laurie can always back me up with an
 18 answer.
 19 The ra- -- the radium was -- I think we
 20 discussed in the past RABs as well -- typically the
 21 glow-in-the-dark paint was one of its primary uses. And
 22 so all of -- a lot of the dials that were used on ships
 23 had this -- the radium mixed into it, and it was a way
 24 in order to have -- for in case of emergencies, the
 25 ships where they lost their power, they could still see

1 all the dials and see all the instruments they needed
2 to see. And so that's what -- that's the source of the
3 radium.

4 The cesium-137 and strontium-90 would be
5 associated with the atomic weapons testing in the
6 world. These are -- typically exist almost anywhere
7 where you had atomics wea- -- atomic weapons testing --

8 DR. TOMPKINS: Okay.

9 MR. PEARCE: -- where they had done typ- --
10 particularly open-air tests would have spread the
11 materials around a long time ago.

12 DR. TOMPKINS: Question: Is that --? For
13 clarity so we can understand historical context, was
14 that a byproduct of when they were decontaminating the
15 ships from the Pacific that they did in the Shipyard, or
16 where did that -- may have been the source of that?

17 I understand where the radium came from --

18 MR. PEARCE: I think Laurie will be able to be
19 clearer on this answer, I believe.

20 DR. TOMPKINS: Okay.

21 MS. LOWMAN: Right. The products that would be
22 in the sewers or the storm drain systems would be from
23 the decontamination efforts that were done with the
24 ships when they returned from Crossroads.

25 DR. TOMPKINS: Okay.

1 was dirt -- the truck was dirty.

2 And if you drive down going down Evans Street,
3 there's dust coming off of the street, not as bad as
4 when previously we had the flaws. But if you being in
5 another part of Bayview or any other street in the city,
6 you wouldn't see the dust.

7 Literally as the truck goes by, any bus goes
8 by, there's dust on the street. And they had the plaque
9 that was triangle shape. The upper half was striped red
10 and black, and the bottom was white.

11 And I wish Jesse was here. He could probably
12 tell me what hazardous -- what it was. But it was going
13 down, and none of the trucks were washed, and there's
14 dust all in the streets. How can we address this and
15 what did that plaque mean?

16 MR. BROOKS: And I can address that one.

17 If it's a -- if it's a truck hauling Navy soil,
18 they are brushed down before they leave our control
19 area.

20 So we -- you know, we could bring pictures of
21 the process if you like for next RAB meeting, but the
22 trucks are all cleaned: wheels, horizontal surfaces.
23 Anywhere that dirt would spill when it's being loaded is
24 carefully brushed off before the truck leaves the
25 Shipyard.

1 MS. LOWMAN: On the radium, there were radium
2 device storage buildings and turn-in buildings. It was
3 very common practice in the early days for them to wash
4 those devices off. Anything -- and that radium could
5 have gone down through the piping, anything like that.

6 As far as the risk levels associated with these
7 release limits, we're in the 10-to-the-5th to --
8 10-to-the-minus-5th or 10-to-the-minus-6th risk range,
9 which 10 to the minus 6th is 1 in 1,000,000 potential
10 cancer risk. So it is very, very low.

11 DR. TOMPKINS: Okay.

12 MS. PENDERGRASS: Are there any other
13 questions?

14 DR. TOMPKINS: I have one other.

15 MS. PENDERGRASS: Yes, sir.

16 DR. TOMPKINS: And I guess it also -- it
17 involved Amy as well.

18 As an observation, I was up there by Dago
19 Mary's, and as -- and I observed trucks coming off of
20 the Shipyard. Again, I don't know whose trucks 'cause
21 really, there's not a real visual, although the truck
22 that was leaving the yard -- and I followed it 'cause I
23 had to go to my office -- had a plaque on the side which
24 was a triangle where you'd have your hazardous materials
25 at. It was carrying dirt. It was covered. But there

1 DR. TOMPKINS: Brushed or not washed?

2 MR. BROOKS: They are not washed with liquid.
3 They're -- it's brushed.

4 DR. TOMPKINS: What is --? When you say
5 "brushed," I'm a lay --

6 MR. BROOKS: With --

7 DR. TOMPKINS: -- person; I don't know what
8 that means.

9 MR. BROOKS: With a broom or a stiff-bristled
10 brush on a long handle, like that.

11 DR. TOMPKINS: Okay. Amy? The other -- you
12 know, for that in terms --

13 MS. BROWNELL: The only comment I can make, the
14 story that I've heard from Lennar is that there should
15 not be any trucks hauling dirt off the Shipyard, because
16 all of their work is just moving it within from the
17 hilltop to the hillside. They are not taking any dirt
18 off the Shipyard.

19 So if it was a dirt that -- it was this truck
20 that was full of dirt, there's no reason it should have
21 been coming from Parcel A.

22 DR. TOMPKINS: Okay. Therefore, it was a Navy
23 truck.

24 MS. BROWNELL: I'm not saying. I just --

25 DR. TOMPKINS: I'm just trying to get who,

1 what, why. The truck wasn't clean and the dirt on the
 2 streets. I -- We need the dirt -- Since the Navy,
 3 theoretically, the truck; the truck needs to be a better
 4 cleaning job than what it was and that the dirt in terms
 5 of either the City or the Navy's responsibility or whom,
 6 in terms of the cleanup, if you can have an inspector
 7 look at it to address the issue for public safety.

8 Thank you.

9 MR. BROOKS: All right. I'll just take that as
 10 an action item to follow up on and perhaps present to
 11 the RAB our method of cleaning the trucks when they
 12 leave the Shipyard.

13 DR. TOMPKINS: Robert, you've seen --

14 MR. VAN HOUTEN: Yeah --

15 DR. TOMPKINS: -- right there.

16 MR. VAN HOUTEN: -- I think it would be good.

17 MS. PENDERGRASS: All right. So we have an
 18 action item. Just want to put a pin in that to make
 19 sure that that gets noted as an action item for the next
 20 RAB meeting. Thank you.

21 All right. Any other questions for Mr. Pearce?

22 All right. Thank you. I'm sorry. Thank you
 23 very much.

24 *(Applause.)*

25 MR. FORMAN: Thank you, Mr. Pearce. Good job.

1 vote, and I'd like to voice my opinion prior to a vote.

2 MS. PENDERGRASS: Well, the problem -- the
 3 problem with that is this: Is that any changes to the
 4 bylaws need to be put so that everyone can review them,
 5 and then they have a full month to review before there's
 6 the vote on those bylaws. So if we have a discussion
 7 and it turns into any kind of change or review, then we
 8 would have another month before we could vote again.

9 So the whole purpose of having those things
 10 kind of hashed out in the meeting is kind of thwarted.
 11 What's --?

12 DR. TOMPKINS: Unfortunately, the Rules
 13 Subcommittee did not meet last month that prevented; and
 14 as we presented to the body last time that there was a
 15 tie, then it was split, and so that we -- it was our
 16 impression at the last committee meeting that it would
 17 be discussed before the general board before any
 18 acceptance or rejection. That was the intent in our
 19 discussion, and that's why it was a tie. And for any
 20 adaptation, we should separate that and have
 21 consideration.

22 MS. PENDERGRASS: So in that event, then, what
 23 that would do is open up the discussion again about the
 24 bylaws, and that's what you're proposing?

25 DR. TOMPKINS: Not the general -- No.

1 Good job.

2 Miss Pendergrass, I might recommend that -- we
 3 are a bit ahead of schedule, that we take the break now
 4 prior to our next presentation.

5 MS. PENDERGRASS: That's fine. I was going to
 6 suggest that we actually do the approval of the bylaws
 7 or what have you at this point. And the reason why I
 8 wanted to do that was so that we can kind of space out
 9 our time with the reporter so she doesn't have over an
 10 hour that she --

11 MR. FORMAN: Oh, okay. Mr. Tisdell wished me
 12 for that item is listed as one of the leaders.

13 DR. TOMPKINS: Do we move to committee reports,
 14 then?

15 MS. PENDERGRASS: Yeah. Why don't we do that
 16 real quickly. We have committee reports.

17 But in lieu of Mr. Tisdell being here, everyone
 18 had an opportunity to review the revised bylaws. So is
 19 there anyone who has not had the opportunity to look
 20 them over?

21 DR. TOMPKINS: I have looked them over, but I
 22 would like to discuss the one that we had a tie on the
 23 committee in their recommendations, and that needed to
 24 be discussed before the general RAB before it's accepted
 25 or not, 'cause we had no position on it. It was a tie

1 Everything else -- There was no changes. It's just
 2 that one piece --

3 MS. PENDERGRASS: Okay.

4 DR. TOMPKINS: -- and that one section, we
 5 hadn't discussed it in the last meeting, nor did we have
 6 a subcommittee. Maybe we should defer this till next
 7 month --

8 MS. PENDERGRASS: Okay.

9 DR. TOMPKINS: -- until we could figure out a
 10 method which you think would be acceptable.

11 MR. FORMAN: I would -- Miss Pendergrass, it's
 12 been brought to our attention that we no longer have a
 13 quorum, so I don't believe we could vote on --

14 DR. TOMPKINS: One --

15 MR. FORMAN: -- bylaws.

16 DR. TOMPKINS: -- two, three --

17 MR. FORMAN: -- four. We are short one member.

18 DR. TOMPKINS: Okay. Until Keith arrives, we
 19 can't do nothing on it. So table it.

20 MS. BROWNELL: We need a third.

21 MS. PENDERGRASS: Yeah. I was just --

22 DR. TOMPKINS: Only third?

23 MS. PENDERGRASS: I'm looking it up to find
 24 out, 'cause we only need a third.

25 MR. FORMAN: I thought it was half.

1 MS. PENDERGRASS: So we have a quorum with
 2 three.
 3 DR. TOMPKINS: If we have four, then we have --
 4 if it's only a third, then we have a quorum.
 5 MS. PENDERGRASS: So we have -- all we need --
 6 MR. FORMAN: Four out of --
 7 DR. TOMPKINS: Let our parliamentarian handle
 8 that.
 9 MR. FORMAN: Yeah.
 10 MS. PENDERGRASS: So a quorum is a third, if
 11 I'm not mistaken. Okay.
 12 MR. FORMAN: Okay.
 13 MS. PENDERGRASS: Yes.
 14 DR. TOMPKINS: Okay.
 15 MS. PENDERGRASS: And that hasn't changed from
 16 last time. So we do still have a quorum in order to
 17 operate this. And what's happening is: This is holding
 18 us up from moving forward. So I'm just kind of trying
 19 to make sure that we don't just lag behind on this, and
 20 next thing you know it will be next year. So --
 21 DR. TOMPKINS: I don't think we have anything
 22 pending that -- judiciary or our rules would require.
 23 And the only thing is that one segment in there, and
 24 that was supposed to go up before the RAB for a yes or
 25 no on that particular piece.

1 by reading it. Okay. The one change that we are
 2 considering tonight is -- and I will read it word for
 3 word -- the inclusion in Section 8 of this section.
 4 Quote: "Each member may designate an alternate to
 5 attend in his or her place. An alternate has all the
 6 privileges of a RAB member but does not count towards
 7 attendance," unquote.
 8 MS. PENDERGRASS: All right.
 9 MR. FORMAN: As Dr. Tompkins indicated -- and
 10 it's in the margin comments -- this did come from, of
 11 course, the subcommittee; and in the subcommittee, there
 12 was a tie vote. It was three yes, three no, and one
 13 abstention.
 14 MS. PENDERGRASS: All right. So let's have a
 15 brief discussion on this item. I mean, I would prefer
 16 to start with the pros for this item.
 17 So what are the pros to this item of having --
 18 why -- what's the intent of having this change? Can
 19 anybody speak to that?
 20 DR. TOMPKINS: Robert, you were in attendance
 21 with us.
 22 MR. VAN HOUTEN: Here.
 23 MS. PENDERGRASS: Do we have any more copies of
 24 bylaws that we can pass out?
 25 MR. VAN HOUTEN: I briefly can -- trying to

1 MS. PENDERGRASS: Okay.
 2 DR. TOMPKINS: And they didn't have a meeting.
 3 So I can't control that either.
 4 MS. PENDERGRASS: All right. So then I guess
 5 what we need to do is, Dr. Tompkins, why don't you go
 6 ahead, give us real briefly what the issue is, have a
 7 discussion on that right now, make a decision whether or
 8 not there's going to be any change or amendment to these
 9 bylaws so that we can have another month to review, if
 10 necessary, and call the vote next month? I mean, we
 11 need to move on with this. This is just dragging on.
 12 So at this point, can you give us that in a
 13 nutshell?
 14 DR. TOMPKINS: Unfortunately, I do not have a
 15 copy of the bylaws. The section what I have is this
 16 larger document. I don't have the amended piece.
 17 MS. PENDERGRASS: I can give you --
 18 MR. FORMAN: It's back at the back table.
 19 MS. PENDERGRASS: I can give you mine. That's
 20 fine.
 21 DR. TOMPKINS: Thank you.
 22 MR. FORMAN: In the interim, if you -- would
 23 you like me to --?
 24 DR. TOMPKINS: Sure.
 25 MR. FORMAN: I can begin the discussion simply

1 remember. It's been a couple months since we discussed
 2 it.
 3 I think there were some people who were feeling
 4 that an alternative -- an alter -- I can't talk
 5 tonight.
 6 MS. PENDERGRASS: Alternate.
 7 MR. VAN HOUTEN: -- alternate -- there we go;
 8 thank you -- wasn't a necessity at all because we felt
 9 as a RAB member, you should be just attending the
 10 meetings. You have the opportunity of missing a few,
 11 but that -- and I have a little bit of a problem that
 12 they have full voting ability when it's somebody that's
 13 not been attending the meetings and they just show up
 14 for a meeting and as an alternative -- I can't talk.
 15 And so I have a -- kind of an issue with that
 16 myself personally that an individual you just pick off
 17 the street, say "Hey, go and be a RAB member tonight,"
 18 and they don't know all the background and they are
 19 voting if there's a vote involved, then that -- I have a
 20 concern with that.
 21 But I think in general people were just --
 22 there was a group of us that felt we shouldn't need
 23 one. You're a RAB member; you're committed to a certain
 24 amount of meetings, and there shouldn't be a need for
 25 one.

1 MS. PENDERGRASS: Okay.
 2 DR. TOMPKINS: Get the opposite perspective.
 3 MS. PENDERGRASS: Okay. So in the past,
 4 though, an alternate could come, and they had -- they
 5 had all the rights and privileges of a RAB member, but
 6 they just -- but they didn't count for attendance --
 7 MR. VAN HOUTEN: That's --
 8 MS. PENDERGRASS: -- but they did count for
 9 voting.
 10 So now we are changing it to: You can have an
 11 alternate; they don't count for attendance, and they
 12 don't count for voting. So what's the point? I mean,
 13 can't you just read the --?
 14 MR. FORMAN: No, no. The actual -- the actual
 15 alternate would be able to vote. The only -- The
 16 distinction made is that the alternate attending the RAB
 17 meeting doesn't count towards the RAB member's
 18 attendance.
 19 MS. PENDERGRASS: But isn't that the way it was
 20 saying before?
 21 MR. VAN HOUTEN: That's the way it was. That's
 22 the way it has been.
 23 DR. TOMPKINS: They made the change and that
 24 I'll present the opposite side.
 25 MS. PENDERGRASS: What is the change?

1 MS. PENDERGRASS: I get you.
 2 MR. FORMAN: -- what is the im -- what is the
 3 impact again of deleting it is then having an alternate
 4 would not be an option available to a RAB member. If
 5 you're here, you're here. If you're not, your place at
 6 the table is vacant.
 7 DR. TOMPKINS: And many of us being in other
 8 organizations or -- I have other professions; I have
 9 other commitment -- felt if they went through the effort
 10 of presenting and getting an alternate to represent
 11 their position and let them know what they wanted to
 12 vote on, then they should have the right to vote,
 13 represent the person's opinion, just as in the past we
 14 have had physicians and others from the community who
 15 had representatives here representing on scientific
 16 issues that we have to address.
 17 MS. PENDERGRASS: So I just take this back. I
 18 just need to take us back. As my job to do, let's take
 19 us back to the spirit and intent, okay.
 20 Everybody around this RAB, except for
 21 regulators and the Navy, are volunteers, all right?
 22 They are volunteers.
 23 The whole point of the RAB, as designated by
 24 the RAB and the Navy charter, is saying that the Navy
 25 will interact with the community via the RAB to get out

1 DR. TOMPKINS: That -- let me see. Jeez,
 2 where's the original set?
 3 MS. PENDERGRASS: 'Cause I have -- the original
 4 says: "Each member may designate an alternate to attend
 5 in his or her place. An alternate has all the
 6 privileges of a RAB member but does not count towards
 7 attendance."
 8 So what is this --?
 9 DR. TOMPKINS: The difference is voting.
 10 MR. VAN HOUTEN: We were eliminating it.
 11 DR. TOMPKINS: They did not want to designate
 12 the alternate to have voting rights.
 13 MS. PENDERGRASS: But this doesn't say that.
 14 This doesn't reflect that.
 15 MR. FORMAN: Yeah. That was part of the
 16 discussion, though.
 17 DR. TOMPKINS: That was the discussion. That
 18 was -- Then maybe this is not reflected --
 19 MR. FORMAN: No. The -- No, no. The issue is
 20 whether to delete this from the bylaws or not.
 21 DR. TOMPKINS: Right.
 22 MS. PENDERGRASS: Ah.
 23 MR. FORMAN: Okay?
 24 MS. PENDERGRASS: Okay, deleting it.
 25 MR. FORMAN: Yes. Now --

1 information, have dialogue about what's going on at the
 2 Shipyard for the cleanup. Is that kind of basically
 3 what it's all about? Right?
 4 So the people that are volunteering their time
 5 to come, if they have an -- and it seems to me that part
 6 of the process of selecting people for the RAB is that
 7 they have some ties and strings to the community, right,
 8 that those people are interchangeable with the other
 9 folks that they are representing or working with.
 10 So, I mean, is there really -- is there really
 11 a point to having people not come, not be represented?
 12 You know, what is the big deal? I'm just trying to
 13 figure that out, if you can --
 14 If I'm a member of ROSES and, you know, I'm
 15 going back every month and briefing everybody on what's
 16 going on at the RAB and reading the minutes and I can't
 17 be here but there's an important vote, wouldn't that
 18 make sense that somebody's here to represent that
 19 particular constituent group? I mean, I'm just trying
 20 get to the spirit of it.
 21 So what's the big deal with trying to eliminate
 22 these alternates?
 23 MR. FORMAN: Well, the author -- the author of
 24 this change -- this proposed change is not here
 25 tonight. So, I mean, I --

1 MS. PENDERGRASS: So they are not here tonight,
 2 so they don't have a representative to talk for them
 3 because that person's not here. And I think that that
 4 just kind of holds us up from really the intent and the
 5 spirit of all of this, which is to keep information
 6 flowing to the community and from the community to the
 7 Navy.

8 Mr. Dacus.

9 MR. DACUS: Yes. Wouldn't this have to go back
 10 to the -- to the Bylaw Committee before any changes
 11 could be made?

12 MS. PENDERGRASS: Wouldn't have to go back to
 13 the Bylaws Committee, I mean, if he didn't want it to.
 14 But what has to happen tonight is that you have to
 15 either craft what it is you wanted to say or not to
 16 say. It has to have a month for review before it can be
 17 voted on.

18 MR. FORMAN: Well, yeah, I'm not sure I agree
 19 with that. I think it should be voted on tonight as it
 20 stands. It's fairly clear to me what the intent of the
 21 proposal is. So I think we just have a floor vote.

22 MS. PENDERGRASS: If all we're doing is
 23 sticking to what we have already advised, which is
 24 taking it out, meaning that it no longer is there, that
 25 means that there can be alternates or not alternates or

1 suggesting, that we defer this back to the subcommittee,
 2 the reason being that then we're eliminating and there's
 3 no alternative for an alternate.

4 In other words, if we drop this, we are not
 5 going back to where they said a RAB -- I don't see or if
 6 you could point it out to me, please, where an alternate
 7 has the right to vote.

8 If that is not -- If this is voted down, the
 9 correction, there's no alternate. If it's kept in,
 10 there is an alternate but there's no vote.

11 MR. FORMAN: No, that's not true.

12 DR. TOMPKINS: Okay. Then correct me.

13 MR. FORMAN: I don't know where you're reading
 14 from.

15 DR. TOMPKINS: How does it mean? Please assist
 16 me.

17 MR. FORMAN: Okay. So -- and again, let me
 18 begin by saying, I don't a- -- I don't think that's what
 19 Mr. Dacus stated.

20 But my recommendation to you is to just vote on
 21 it here tonight. It will probably, from -- I'm
 22 inferring what your vote is going to be, but it will
 23 probably be killed here tonight at the table.

24 MS. PENDERGRASS: But let me just say --

25 MR. FORMAN: So --

1 whatever you want 'cause it's not spelled out. I mean,
 2 what's the big deal?

3 But anyway, so I'm just kind of putting that
 4 out there as kind of a point of reference.

5 Is there anyone else that wanted to add
 6 something to that discussion?

7 DR. TOMPKINS: Well, clarity as a neutral party
 8 reading it, if this is voted down, therefore as it
 9 reads, does it -- is there an alternate for the member?
 10 And do they have, as in the past, the right to vote?

11 MS. PENDERGRASS: If this is --

12 DR. TOMPKINS: So if we -- so if we take a vote
 13 so everybody knows --

14 MS. PENDERGRASS: Right. If it's stricken,
 15 which that's what the vote will do, would either --
 16 would adopt that this is taken out completely so that
 17 No. 8 would read:

18 Attendance by RAB Members. All RAB
 19 members are expected to attend regular
 20 meetings. If any member is absent from four
 21 meetings in a calendar year he or she will be
 22 automatically removed There will be
 23 no distinction between excused or [sic]
 24 unexcused absences.

25 DR. TOMPKINS: I would suggest that, as Charles

1 MS. PENDERGRASS: -- if you go to No. 5 --

2 MR. FORMAN: Yeah.

3 MS. PENDERGRASS: -- where it says "Voting," --

4 MR. FORMAN: Yeah.

5 MS. PENDERGRASS: -- "The community RAB
 6 members, or a designated alternate, may vote on any
 7 issues of concern for [sic] the RAB."

8 So it's in there already --

9 DR. TOMPKINS: Okay.

10 MS. PENDERGRASS: -- for the --

11 DR. TOMPKINS: Good.

12 MS. PENDERGRASS: -- alternate.

13 DR. TOMPKINS: That's all my concern, that it's
 14 yea or nay.

15 MR. FORMAN: Okay. So the motion would
 16 be to -- the motion --

17 MS. PENDERGRASS: -- would be --

18 MR. FORMAN: -- which had a tie at the
 19 subcommittee and just come to the floor, is to delete
 20 this passage in Section 8.

21 MS. PENDERGRASS: That's it.

22 MR. FORMAN: Why not just have a standing vote
 23 between the four of you voting members tonight and see
 24 what happens?

25 DR. TOMPKINS: Yeah. For parliamentary

1 procedure, this is in contradiction, then --
 2 MS. PENDERGRASS: It was. So that's why
 3 we're --
 4 DR. TOMPKINS: -- the other section. That's
 5 what I'm saying, that's --
 6 MS. PENDERGRASS: -- but let's take it out --
 7 DR. TOMPKINS: -- that's -- well, there's no
 8 logic in trying -- where's the --
 9 MS. PENDERGRASS: Right.
 10 DR. TOMPKINS: -- flow at --
 11 MS. PENDERGRASS: Right.
 12 DR. TOMPKINS: -- on it, remember, in the
 13 document?
 14 So okay. Just point out to my co -- for the
 15 board members, this is in contradiction --
 16 MS. PENDERGRASS: It won't be --
 17 DR. TOMPKINS: -- of our other section.
 18 MS. PENDERGRASS: -- in contradiction at all
 19 once it's removed.
 20 DR. TOMPKINS: Yes.
 21 MS. PENDERGRASS: There will be no
 22 contradiction.
 23 DR. TOMPKINS: As it stands now, it's in
 24 contradiction of Section 5.
 25 MS. PENDERGRASS: Right.

1 DR. TOMPKINS: Okay.
 2 MS. PENDERGRASS: Okay.
 3 DR. TOMPKINS: Call for question.
 4 MS. PENDERGRASS: I think we're all clear.
 5 Whether we are not or not, it's okay.
 6 DR. TOMPKINS: Is it put to the --
 7 MR. FORMAN: That's okay.
 8 DR. TOMPKINS: -- voting members?
 9 MS. PENDERGRASS: All right.
 10 MR. FORMAN: Go ahead.
 11 MS. PENDERGRASS: So what we need is a motion
 12 to accept these, and Dr. Tompkins --
 13 DR. TOMPKINS: I so mo --
 14 MS. PENDERGRASS: -- will author that motion.
 15 DR. TOMPKINS: -- for consideration, not --
 16 MS. PENDERGRASS: I'm sorry?
 17 DR. TOMPKINS: Yes, for consideration for a
 18 vote, not of acceptance one way or the other.
 19 MS. PENDERGRASS: In consideration of the vote
 20 as they stand right now. Okay?
 21 DR. TOMPKINS: Yeah.
 22 MS. PENDERGRASS: So we have a motion on the
 23 floor. Do we have a second?
 24 MR. DACUS: I second.
 25 MS. PENDERGRASS: Okay. We have a second.

1 MR. VAN HOUTEN: Second.
 2 MS. PENDERGRASS: I think Mr. Van Houten
 3 seconded that.
 4 MR. VAN HOUTEN: (Pointing to Mr. Dacus.)
 5 MS. PENDERGRASS: So barring discussion, let's
 6 move on to the vote. All in favor of accepting the
 7 August-dated revised bylaws for approval tonight as they
 8 are written, which would basically only change and
 9 eliminate the sub- -- second paragraph of No. 8, all in
 10 favor signify by raising your hand, please.
 11 One, two --
 12 DR. TOMPKINS: Again, if you vote yea, you
 13 eliminate this section in that.
 14 MS. PENDERGRASS: Just the section --
 15 DR. TOMPKINS: Okay.
 16 MS. PENDERGRASS: That's right.
 17 MR. VAN HOUTEN: -- I think an alternate --
 18 MS. PENDERGRASS: Yes, you just eliminate --
 19 MR. VAN HOUTEN: -- delete that.
 20 MS. PENDERGRASS: That's right.
 21 DR. TOMPKINS: Delete that section in 8.
 22 MS. PENDERGRASS: That's right.
 23 DR. TOMPKINS: That's the only change --
 24 MS. PENDERGRASS: That's the only change to the
 25 bylaws.

1 DR. TOMPKINS: -- can be made to the bylaws.
 2 MS. PENDERGRASS: All in favor, please signify
 3 by raising your hand.
 4 So we have three in favor of that.
 5 All opposed? Any abstaining?
 6 Okay, with one abstention.
 7 So the ayes carry it. We have new adopted
 8 bylaws, okay?
 9 And just for the record, the way they are --
 10 the way they are written now, there can be an alternate,
 11 and that alternate can vote.
 12 MR. FORMAN: Yes.
 13 MS. PENDERGRASS: Hallelujah.
 14 We are going to now take a ten-minute break
 15 till a quarter after and reconvene at that time.
 16 MR. FORMAN: Very good.
 17 MS. PENDERGRASS: Thank you.
 18 (Whereupon, a recess is taken from
 19 7:06 p.m. to 7:17 p.m.)
 20 MS. PENDERGRASS: All right. As we gather here
 21 together this evening with one another, it is time for
 22 the next exciting presentation by Mr. Forman, the Navy's
 23 latest treatability study at Remedial Unit C-1.
 24 And if you can jazz this up, we'd appreciate
 25 it.

1 MR. FORMAN: Well, better than me jazzing it
2 up, I have a lead program manager extraordinaire who's
3 giving the presentation who is jazzing it up and has put
4 his time and effort into this.

5 So I appreciate it if everybody could eyes to
6 Mr. Brooks, give him your rapt attention --

7 MS. PENDERGRASS: And Mr. Brooks --

8 MR. FORMAN: -- as he goes through --

9 MS. PENDERGRASS: -- I am giving you --

10 MR. FORMAN: -- our latest technical --

11 MS. PENDERGRASS: -- 15 minutes for this.

12 MR. FORMAN: Pardon?

13 MR. BROOKS: Great. And funny you should use
14 the term "jazz" because I'm -- come from Utah where our
15 basketball team are the Utah Jazz.

16 MR. ATTENDEE: You stole that team.

17 MR. BROOKS: And you know how -- you know what
18 a wild and crazy bunch they are in Utah. Woo!

19 All right. This is an update on the
20 treatability study we want to perform at Remedial
21 Unit C-1. That's the sixth in a series of our
22 groundwater treatability studies. Got some other soil
23 treatability studies for soil vapor extraction and the
24 sediment treatability study that we are doing with
25 Stanford University in South Basin. But this will be

1 about a groundwater treatability study.

2 Next slide.

3 Just like table of contents here, little
4 background, description of the technology, what our
5 objectives are on this treatability study, and the
6 approach that we're going to use.

7 Previous investigations that we did: In the
8 remedial investigation, we saw that we have some
9 contamination both in the soil and in the groundwater.
10 And this site, if I can get my pointer over here, it's
11 out in this part of Parcel C.

12 And we have solvents that cause some
13 contamination and also some petroleum products.
14 Solvents were used to clean the metal parts before we
15 did machining on them at the Shipyard. And so when you
16 clean that gunk off of the metal parts, why, you got
17 oils and greases and stuff like that.

18 Sources of the contamination include the
19 sumps -- we might wash down a floor into a sump --
20 degreasing pit where you might dip your metal parts down
21 in there to clean off the grease, dip tanks -- kind of
22 same thing -- and then our solvent storage tanks and
23 piping.

24 All right. Here is kind of a map where we're
25 going to do the treatability study right here in the

1 corner of Building 253. This is a water level map.
2 What this is showing you -- remember from some of the
3 Technical Subcommittees? The groundwater wants to move
4 from these high elevations. Here's a 2. There's a 1.
5 There's a zero. It's going to want to move
6 perpendicular to these lines.

7 So you can see groundwater is moving toward the
8 bay.

9 And since those contours are fairly far apart,
10 this is what we call kind of a gentle groundwater
11 gradient again from some of our review from the Tech
12 Subcommittee.

13 Here's a photo of the inside of Building 253.
14 We have got a open area here where we have some
15 degreasing pits. Oh, in open area, you can just see a
16 piece of it here. We got a solvent dispenser in there
17 and some more dip tanks. We got some monitoring wells
18 in this area.

19 And here's our fume hoods that bring off the
20 gases because solvents are volatile. They want to turn
21 into gas. And this is how the Navy would remove those
22 fumes from the worker area inside these spaces.

23 Next slide.

24 All right. Our treatment process destroys the
25 contamination, using native microorganisms. And we know

1 that we already have some bioremediation, we call it,
2 occurring at this site because we see the by-products.
3 We know the solvents consist of PCE and TCE, two
4 abbreviations for solvents.

5 And when we look at our groundwater samples, we
6 can see the breakdown products. And we see them
7 breaking down in low concentrations to what we like to
8 see, ethene and ethane; and we also see vinyl chloride,
9 which is one of the last stages of contaminate
10 destruction.

11 And what we want to do is, we want to enhance
12 this process by feeding the microorganisms nutrients.
13 And like Dan Leigh described about a year ago, what we
14 do is: We feed this population nutrients, and we build
15 the population up; and then we have them multiply, get
16 strong on these nutrients and these foods; and then we
17 cut the food off. And the population that's built up,
18 then they have to start eating the contamination, and
19 they break it down.

20 And so that's kind of our strategy. It's a
21 widely used and effective cleanup technology. We have
22 demonstrated it at RU-C5. But it depends greatly on
23 site conditions, so that's why we are doing the
24 treatability study at RU-C1, the chemical
25 characteristics in the ground and the permeability of

1 the ground as well, how easy is it going to be for us to
2 put these nutrients down into the groundwater.

3 Next slide.

4 So we begin the test with sodium lactate
5 injection. It's a food-grade sodium lactate that feeds
6 the microorganism population, builds them up, like I
7 say.

8 And we do have data that shows that the
9 destruction is already occurring, although slowly; and
10 what we think is going to happen is: This lactate
11 injection is going to speed up the rate of destruction
12 of our contamination.

13 And our objectives: We want to see how
14 effective this injection is to reduce the contaminate
15 levels.

16 The other objective, we don't want to be
17 injecting this stuff and then spreading our
18 contamination willy-nilly all over the site. So we want
19 to minimize any spreading of contamination.

20 And then we look at the cost and the
21 effectiveness and the implementability, and that helps
22 us decide what groundwater remedies to use later on.

23 All right. Our approach: What we want to do
24 is, we want to establish circulation. And to establish
25 circulation, we use three injection wells and one

1 extraction well.

2 The extraction well brings groundwater up out
3 of the ground where we mix it with sodium lactate, and
4 then we inject it into three wells that surround the
5 extraction well. And this process continues until the
6 nutrients are evenly distributed within our cell that
7 we're -- that we call our treatment area.

8 And we do a lot of groundwater monitoring with
9 this to check the conditions, make sure that our
10 nutrients are being distributed, make sure we are not
11 spreading contamination, and also to monitor the
12 decrease in the contaminate levels in the groundwater.

13 So we got four existing wells that we are going
14 to sample, and we are also going to drill and install
15 four new wells.

16 We are going to inject a tracer with this
17 lactate mixture as well, and that's just to help us keep
18 track of where the nutrients are and make sure that we
19 don't spread contamination outside our treatment area.
20 That tracer's going to be sodium bromide.

21 So here's a picture of it. We have a small
22 cell. In the center here, we have an extraction well.
23 This well would extract groundwater, come over to our
24 little treatment plant where we'll amend it with
25 nutrients. The water would be divided about 3 gallons a

1 minute coming out here [indicating], and then we'll
2 divide it equally a gallon a minute being injected into
3 our three wells here.

4 And so we'll monitor it. As water gets
5 injected here, we wait for an even distribution
6 throughout our treatment cell.

7 And what we'll do is, we'll do this for two
8 weeks. We think that's about how long it's going to
9 take to get an even distribution. And then we turn it
10 off.

11 So we've given the microorganisms some food.
12 We build up that population. We turn it off. And then
13 they continue working through the nutrients. As the
14 nutrients dissipate, then they start breaking down the
15 contamination.

16 Next slide.

17 All right. Phase 1, sodium lactate injection.
18 At RU-C5 we saw that this was pretty much the only phase
19 that was needed. Now, we're not sure if we're going to
20 be able to get away with that at RU-C1, so we look at a
21 nitrate injection also, and if it's needed to break down
22 such as the fuel products, or especially one of the last
23 contaminants to break down is vinyl chloride. And vinyl
24 chloride is still very much a contaminant, and sometimes
25 you need the additional oxygen to get that to break

1 down.

2 Nitrate will function like oxygen, and it's a
3 little bit easier to distribute into the subsurface.
4 But if the nitrate doesn't work, then we'll go ahead and
5 we'll -- as we extract the groundwater, we'll add oxygen
6 directly to the groundwater and then inject it. We'll
7 do that for a period of 30 days.

8 Schedule: The work plan comes out a week from
9 next Friday, on October 6th.

10 We'll install some new groundwater wells in the
11 middle of October, toward the end of October. And after
12 the new wells are installed, then we'll get our system
13 all set up and the injection apparatus tested and the
14 mixing tanks set up and that kind of thing.

15 And then we're going to start Phase 1. That's
16 our lactate injection, and that's going to happen for
17 about 180 days.

18 What we'll do is, we'll do the injection for
19 two weeks, follow it by about a two-month period where
20 there's no injection and then two more weeks of
21 injection followed again by three months where the
22 microorganisms will be breaking down the contamination.

23 Similarly, here we'll do a two-week injection
24 of nitrate, if it's necessary, followed by a two-month
25 rest and then another two weeks of injection and another

1 two weeks of rest while the microorganisms utilize the
2 nitrate and break down the contamination.

3 Phase 3, if that's needed, if we can't get the
4 nitrate to help us break down the fuel products and the
5 vinyl chloride and if Phase 1 doesn't do that, then
6 we'll just do 30 straight days of extracting the
7 groundwater, adding oxygen directly to the water and
8 circulating it; and that should do the trick if nothing
9 else does.

10 After Phase 3, we'll have collected a great
11 amount of data. We'll evaluate this data, put it into a
12 report, summarize our findings, make our
13 recommendations; and that would constitute the end of
14 the treatability study.

15 MS. PENDERGRASS: Okay.

16 MR. BROOKS: Fifteen minutes, but not that
17 jazzy.

18 MR. FORMAN: Thank you, Mr. Brooks. I thought
19 that was a great presentation.

20 MS. PENDERGRASS: I thought it was just
21 thrilling.

22 MR. BROOKS: Okay. Questions?

23 MS. PENDERGRASS: So we have questions.

24 MR. BROOKS: Keith, you got a question over
25 there?

1 MR. TISELL: Okay.

2 MR. BROOKS: And this is also a little diagram
3 of, like, the pick and roll with John Stockton and Karl
4 Malone, if you remember that.

5 MS. PENDERGRASS: All right. Dr. Tompkins.

6 MR. FORMAN: Little inside joke.

7 DR. TOMPKINS: Okay. Mr. Brooks, sorry, I
8 missed the very -- on this piece, this is similar, then,
9 to zero-valence iron study -- treatability study in a
10 certain sense, correct? Except we're dealing with an
11 organic rather than an iron.

12 How many gallons are we talking about treating
13 in this pilot study of water? I didn't pick that up.

14 MR. BROOKS: Yeah, I don't have it calculated
15 off the top of my head. But, I mean, if you -- if you
16 wanted to, we've got a total of four weeks of
17 extraction, three gallons a minute. So, you know, I'd
18 have to do the -- I'd have to do the math: 28 days
19 times 1440 minutes per day times 3 gallons a minute, and
20 that will give you your total gallons.

21 DR. TOMPKINS: In this piece here, I was trying
22 to figure out the volume of what you're talking about
23 treating.

24 Then out of the curiosity of the site, when we
25 ran into a little bit of a problem on Parcel B because

1 MS. PENDERGRASS: We'll start with --

2 DR. TOMPKINS: I've got --

3 MS. PENDERGRASS: -- Mr. Tisdell and then
4 Dr. Tompkins.

5 MR. TISELL: Hello, RAB members. Sorry I'm
6 late. I had to work. I didn't get off till 7:00.

7 But anyway, Pat Brooks, I like to ask you --

8 MR. BROOKS: Keith.

9 MR. TISELL: -- on your circulation, you don't
10 do -- you know, in that circulation diagram that you had
11 right here -- I mean right --

12 MR. FORMAN: No, no.

13 MS. PENDERGRASS: Page 5.

14 MR. FORMAN: With the three --

15 MR. TISELL: Yeah, with the three -- with
16 three wells and one well in the middle?

17 MR. FORMAN: That's right.

18 MR. TISELL: Are you going to do all three of
19 the outside wells that same time or one at a time so you
20 can, like, get a feel for the impact or --?

21 MR. BROOKS: Yeah, we'll do all three wells at
22 the same time, and that's going to -- that will help
23 us -- the way it's designed, the central extraction well
24 will be able to capture all the water that comes out of
25 those three injection wells.

1 of the landfill, what is the difference in terms of the
2 site characterization here on this one, or we're not
3 dealing with landfill that may slow down the reaction
4 and we have more stable geological setting? Will it be
5 conducive to this treatment?

6 MR. BROOKS: We do have some fill material in
7 this area. I don't think it's going to behave the same
8 as the zero-valent iron injection. We already have the
9 breakdown products that we see, small concentrations of
10 them, the vinyl chloride, the ethene, the ethane.

11 And so I don't think that -- and we'll do the
12 test to be sure, of course, but I don't think we'll see
13 the kind of delayed treatment that we saw at Parcel B.

14 And even though, you know, I'm calling the
15 treatment a little bit delayed at Parcel B, it's still
16 50 times faster than pumping treat or some of the other
17 more Stone Age technologies.

18 DR. TOMPKINS: One last question, and I guess
19 also with Water Board as well and EPA: In this do you
20 have any projections onto --? My concern would be vinyl
21 chloride as being the bad guy in the whole thing. Do
22 you have any projections in terms of how much is there
23 and what it would be?

24 And then as you look at the experiment, yeah,
25 experiment that this would dissipate by this time

1 period, and what would be acceptable levels being a
 2 residual?
 3 MR. BROOKS: Okay. Well, the acceptable
 4 residuals are very, very low for vinyl chloride. It's
 5 going to be down in the single digits of parts per
 6 billion. We're starting out here with several hundred
 7 parts per billion of the parent products.
 8 And so we'll see the gradual breakdown from
 9 perchloroethene, trichloroethene, dichloroethene to vinyl
 10 chloride, and then finally to ethene and ethane. The
 11 levels will be quite low, and I think we're really going
 12 to have to look at the data as it comes in to get a
 13 feeling for how fast it's going to break down.
 14 But we do have --
 15 If you go back to the phases, if you could,
 16 Steve, where we show -- one more, two more. There we
 17 go.
 18 Now, your concerns, also one of our major
 19 concerns, the sodium lactate will usually treat the
 20 perchloroethene, the trichloroethene, dichloroethene, and
 21 vinyl chloride oftentimes needs an oxygen or, in this
 22 case, a nitrate additive to get it to break down.
 23 Sometimes it will break down in this phase; sometimes it
 24 won't. And that's why we've included two additional
 25 phases to address that vinyl chloride.

1 MS. PENDERGRASS: If you don't use the
 2 microphone, you can't talk, 'cause we can't hear you --
 3 MR. BROOKS: Mr. Dacus?
 4 MS. PENDERGRASS: -- when you -- you had your
 5 back to us.
 6 DR. TOMPKINS: Oh. No. I was just asking --
 7 MS. PENDERGRASS: No one can hear you.
 8 DR. TOMPKINS: -- for the lay people for lay
 9 consumption.
 10 Are we talking about, say, 1 pound of vinyl
 11 chloride in the water? 2 pounds? 10 pounds? What is it
 12 that we're ta- --? We can --
 13 MS. PENDERGRASS: Right, right.
 14 DR. TOMPKINS: -- have our debates
 15 scientifically. But how much for general populace
 16 consumption?
 17 MS. PENDERGRASS: We all wanted to share in
 18 that question.
 19 DR. TOMPKINS: That was our question.
 20 MS. PENDERGRASS: Okay.
 21 DR. TOMPKINS: We'll talk about the --
 22 MS. PENDERGRASS: So was that answered?
 23 DR. TOMPKINS: We'll go further. For the sake
 24 of time, we'll talk about --
 25 MS. PENDERGRASS: We have time. Was that

1 So we'll try it first with the nitrate. If
 2 that works, then we'll be finished. If it doesn't, then
 3 we kind of go after the big gun. We inject oxygen
 4 directly into the water and then inject the water, the
 5 amended oxygenated water, into the aquifer.
 6 DR. TOMPKINS: How much you think --?
 7 THE COURT REPORTER: I can't hear you.
 8 DR. TOMPKINS: I'm sorry.
 9 How much of the vinyl chloride do you
 10 anticipate that may be there in terms of your
 11 preliminary studies?
 12 MR. BROOKS: There's -- Like I'm saying
 13 earlier, there's about 500 parts per billion or so in
 14 the hundreds parts per billion of the parent products.
 15 So we expect to see -- As the stuff breaks down, we'd
 16 expect to see kind of similar concentrations of vinyl
 17 chloride created.
 18 DR. TOMPKINS: Well, like, is this, say, for
 19 example, how much of this material that may be in the
 20 water --?
 21 MS. PENDERGRASS: Dr. Tompkins, I'm not going
 22 to repeat myself.
 23 MR. BROOKS: I'm sorry.
 24 We got to --
 25 We're sharing.

1 answered?
 2 MR. BROOKS: Want me to answer it?
 3 MS. PENDERGRASS: Thank you. We have time to
 4 answer.
 5 MR. BROOKS: Most of the mass of contaminants
 6 is generally held up in the soil and in the groundwater
 7 when you're talking concentrations in the parts per
 8 billion, okay. So if we got a billion pounds of water,
 9 which we don't have, there's only going to be 500 pounds
 10 of contaminants.
 11 So I am expecting that across all of RU-C1 --
 12 and this is just a swag for me at this point, but
 13 there's probably less than 2 or 3 pounds of
 14 contamination in the groundwater. But it doesn't take
 15 much to -- contamination to send us over our limits that
 16 we clean up to.
 17 MS. PENDERGRASS: Okay. Thank you so much for
 18 that.
 19 MR. DACUS: Mr. Brooks, on the schedule, I see
 20 you say we have -- we're going to install new
 21 groundwater wells.
 22 Do you already have groundwater wells out
 23 there?
 24 MS. PENDERGRASS: Say it again, sir. I'm
 25 sorry. What's the last part of you- --? You turned

1 away from the mic, and I didn't hear you.
 2 MR. DACUS: I was asking a question. On the
 3 schedule, you say they're going to install new
 4 groundwater wells.
 5 MS. PENDERGRASS: Yes.
 6 MR. DACUS: What I'm asking, do they have wells
 7 out there at the precise time?
 8 MS. PENDERGRASS: Oh. Thank you.
 9 MR. BROOKS: Okay. Yes, we do have
 10 groundwater-monitoring wells out here at this time, and
 11 this is -- I could probably pick some out on this photo
 12 if I look really hard. I believe we have one here
 13 [indicating]. This looks like one covered by a small
 14 cone here. Here's some vapor-monitoring points
 15 [indicating].
 16 So this area, we know it as a source of
 17 contamination, so it's already pretty heavily monitored
 18 both in the soil and in the groundwater.
 19 And we put in these extra wells primarily to
 20 help us ensure that if -- we don't spread the
 21 contamination with our injection, but also to help us
 22 keep track of the contaminate reduction that we're
 23 expecting.
 24 MS. PENDERGRASS: Okay. Thank you. All
 25 right. And thank you for that fantastically

1 entertaining presentation.
 2 MR. FORMAN: Thank you, Mr. Brooks.
 3 *(Applause.)*
 4 MS. PENDERGRASS: I'm making light, but I know
 5 that these presentations are quite difficult to put
 6 together, and they are very well done. Thank you all
 7 very much.
 8 MR. FORMAN: Good job.
 9 MS. PENDERGRASS: All right. Let's move on to
 10 our subcommittee reports. And why don't we have our
 11 Membership, Bylaws and Community Outreach report, if we
 12 can do that quickly.
 13 MR. TISDELL: Our next meeting -- our next
 14 meeting is October 19th. We didn't have a meeting for
 15 September 'cause we didn't have nothing to bring up.
 16 But our next meeting will be October 19th along with the
 17 Technical Subcommittee. We're joining both 'cause we
 18 just have a application to look over for our RAB member.
 19 MS. PENDERGRASS: Okay.
 20 MR. TISDELL: And I'll ask all the RAB members
 21 to please come join me so I can hear opinions.
 22 MS. PENDERGRASS: Okay. Excellent.
 23 Anything else? Okay.
 24 And speaking of outreach, Mr. Forman, how did
 25 your farmers market stint work out?

1 MR. FORMAN: Yes. Farmers market was an
 2 interesting experience. We didn't have the foot traffic
 3 there that we really were hoping for. We spoke to
 4 around five folks during the four hours or so we were
 5 there.
 6 MS. PENDERGRASS: Oh.
 7 MR. FORMAN: There was some good live music
 8 there.
 9 I want to thank Mr. Jim Ponton from the Water
 10 Board. He showed up and I appreciate that, having a
 11 regulator there with us; and also Mr. Keith Tisdell --
 12 MS. PENDERGRASS: Excellent.
 13 DR. TOMPKINS: -- your community co-chair, was
 14 there, showed up.
 15 And what I think we're looking at is a
 16 different --
 17 And -- excuse me. I'm sorry. Once you start,
 18 you have to finish -- Jacqueline Ann Lane, Jackie from
 19 EPA, was there the whole time.
 20 And I want to thank you very much, Jackie.
 21 MS. PENDERGRASS: Okay.
 22 MR. FORMAN: And I also need to thank Carolyn
 23 Hunter who actually did all the legwork or much of the
 24 legwork on it.
 25 Thank you, Carolyn.

1 . And I think that's --
 2 MS. PENDERGRASS: So great. All rightie. I
 3 just wanted to hear the outcome.
 4 MR. FORMAN: We did.
 5 MS. PENDERGRASS: Okay. So --
 6 MR. FORMAN: We passed out RAB applications.
 7 But to answer your question is, I think we -- it was a
 8 good experience, and we are going to be looking next
 9 year for a better location with a little more foot
 10 traffic. We think we found it, and Carolyn's working
 11 on --
 12 MS. PENDERGRASS: Excellent.
 13 MR. FORMAN: -- what we need to do to make that
 14 happen next year.
 15 MS. PENDERGRASS: Excellent. Excellent.
 16 Okay.
 17 So, Mr. Tisdell, does that conclude your
 18 report?
 19 MR. TISDELL: Yes.
 20 MS. PENDERGRASS: Thank you very much.
 21 We'll move on to the Technical Subcommittee
 22 report. Was there a meeting?
 23 DR. TOMPKINS: Oh, yeah.
 24 MS. PENDERGRASS: Excellent. Mr. Tompkins, did
 25 you have something to add about that meeting and any

1 motions you'd like to bring forward?
 2 DR. TOMPKINS: Oh. Let me deal with the motion
 3 first.
 4 MS. PENDERGRASS: No. Let's deal with that --
 5 DR. TOMPKINS: Oh, report? All right.
 6 There were three of us that did attend:
 7 Mr. Brooks, myself, and --
 8 MR. FORMAN: Mr. Chein Kao.
 9 DR. TOMPKINS: -- Mr. Chein Kao.
 10 First name, Pat? Help me.
 11 MR. BROOKS: My first name?
 12 DR. TOMPKINS: No. Chein.
 13 MR. BROOKS: Chein.
 14 DR. TOMPKINS: Chein Kao. I have always
 15 problem. Even when I studied history, I'd know all the
 16 details but forget the name.
 17 I want to -- also want to make a regrettable
 18 announcement that took me and Pat, Mr. Brooks, back a
 19 little ways. Unfortunately, Mr. Chein Kao will not be
 20 able to attend our RAB meetings, will have to step down
 21 off the Board. His wife has cancer.
 22 MS. PENDERGRASS: Oh, bless his heart.
 23 DR. TOMPKINS: And they are going to Dallas,
 24 Texas, for treatment. Her family's there.
 25 So, unfortunately, he will be E-mailing us.

1 as well.
 2 MR. BROOKS: Yeah. Like Dr. Tompkins says, it
 3 was a pretty good meeting with Chein Kao and two of us.
 4 We went over some of Chein's comments on the
 5 draft TMSRA, and among those were a need for
 6 clarification on why the ROD needs to be amended. Some
 7 of us get real close to this work and forget to explain
 8 why we're doing the work when -- you know, when it
 9 becomes second nature to us.
 10 But we had agreed to add a subsection to the
 11 document that explains why the Navy feels the ROD needs
 12 to be amended.
 13 We went over some of the specifics of the risk
 14 assessment for Parcel B, and I pointed out that our
 15 major risk driver there on Parcel B is arsenic, which
 16 is -- comes from the serpentinite rock that we have in
 17 this city. Some -- and not to discount the fact that
 18 there are spills and releases from Navy activities,
 19 because we have some of those: chlorinated solvents,
 20 petroleum products, pesticides, PCBs.
 21 But the risk presented from those spills and
 22 releases are dwarfed by a hundred times from the arsenic
 23 that is at the site, and that's why the Navy has said
 24 we'll do our responsible duty and try and excavate our
 25 spills and releases. But in the end, the containment

1 His heart's still with us. And I really did look
 2 forward to having him back on board working again.
 3 MS. PENDERGRASS: All right. So --
 4 DR. TOMPKINS: Time up for that announcement.
 5 That's what that was saying.
 6 MS. PENDERGRASS: All right.
 7 DR. TOMPKINS: There -- Our meeting, the
 8 intent that we had, since our chair wasn't there, was to
 9 try and get other opinions that were dissenting from the
 10 Navy's paper.
 11 For the three of us, we sat down, and I thought
 12 was very constructive an exchange of ideas and
 13 differences where we actually did come with some
 14 agreement on some of the ideas. And the Navy -- Pat
 15 took good notes, and he was going to prepare the report,
 16 but things happen in life.
 17 Unfortunately, Tom didn't make it -- and I see
 18 that he's not hear -- from the state. And we -- he had
 19 opinions as well. And I was hoping maybe we can get his
 20 input where for once maybe historical point we could --
 21 all could agree and then be a document the Navy produces
 22 at the end that all parties agree upon in terms of
 23 actual amendment to the ROD, 'cause a lot of the points
 24 more were amendable.
 25 Pat, you were there. Give your perspective on

1 remedy that we are proposing is going to block exposure
 2 to the soil where the arsenic is.
 3 MS. PENDERGRASS: Okay. Makes sense.
 4 DR. TOMPKINS: Which is . . . ? Is that where
 5 we -- we're talking about 4 inches of asphalt across
 6 the -- as a remedy?
 7 MR. BROOKS: Right. The --
 8 DR. TOMPKINS: Just so for everybody
 9 understands what we were talking about that wasn't
 10 there.
 11 MR. BROOKS: Yeah. The remedy that the -- that
 12 we're -- that we have presented in the draft TMSRA is to
 13 turn over the property to the City with, you know,
 14 complete coverage over the whole property; and that
 15 would include generally of an asphalt cover.
 16 And then as redevelopment takes place, then the
 17 developer would be responsible for installing a cover
 18 that met the same engineering, you know, guidelines,
 19 basically cut off the contact from soil.
 20 So where we put down some asphalt, it might end
 21 up later to be a hardscape of sidewalk, roadway, parking
 22 lot, building footprint, something in that order.
 23 MS. PENDERGRASS: And a nice big blinking
 24 warning sign "Don't dig here"?
 25 MR. BROOKS: There would be deed restrictions

1 that would definitely say that, not that you can't dig,
2 but that if you do dig, you have to replace the cover.
3 Now, I really --
4 MS. PENDERGRASS: Which means exposure to those
5 who are digging that may or may not be -- they may not
6 know --
7 MR. BROOKS: No. They would know. There would
8 be -- There would definitely be a notification. So it
9 would not be a secret.
10 And in the past, I've spoke of a Navy study
11 that we did where we collected samples from three sites
12 in San Francisco. We're going to go ahead and include
13 this study as an appendix to the draft final TMSRA so
14 people can put in perspective what we are dealing with
15 at the Shipyard.
16 We took some soil samples on Innes Avenue. We
17 took some up by Twin Peaks. We took some at one other
18 site. Now it's been so long, I can't remember where it
19 is.
20 MR. STROGANOFF: Oshaugnessy?
21 MR. BROOKS: Oshaugnessy. I think that's the
22 one -- yeah, that is -- that is. It's on the flanks at
23 Twin Peaks over by where Mr. Ponton lives.
24 But, you know, we have the same kind of metals
25 that exist at the Shipyard in other parts of the city

1 because the rock is -- you know, it's --
2 MS. PENDERGRASS: Is the same.
3 MR. BROOKS: It's all over the place.
4 MS. PENDERGRASS: All right. So, but, I mean,
5 I think that's -- so that's, in essence, what the
6 amendment is doing; it's just putting -- making clear
7 what the findings were, what the remedy will be, and
8 then what the forward --
9 MR. BROOKS: Right.
10 MS. PENDERGRASS: -- plan is --
11 MR. BROOKS: Right.
12 MS. PENDERGRASS: -- correct?
13 MR. BROOKS: And this little kind of my last
14 description is try to say why we're doing the ROD
15 amendment.
16 MS. PENDERGRASS: Okay.
17 MR. BROOKS: We're -- you know, there were some
18 flaws in it. We needed to go back and look at the human
19 health risk assessment, and we needed to then develop
20 our remedial measures to reduce that risk.
21 MS. PENDERGRASS: Excellent. Course
22 corrections.
23 Dr. Tompkins?
24 DR. TOMPKINS: I hope I can get ahold of Tom
25 for our next meeting, and I like to put that for our

1 next -- for the Technical Committee Tom's report and let
2 him be able to voice his concerns as well as we. I
3 think it was a very constructive meeting where we sit
4 down and have a discussion of the views and perspectives
5 where we may differ at. So I hope that he's not ill and
6 be able to return to work with us.
7 MS. PENDERGRASS: I would just like to just
8 point of clarification in terms of just how we operate
9 and process, is that you all are in your subcommittee
10 meeting hash it out; you talked about it; you discuss
11 it.
12 But when you come to the full RAB, what's
13 expected is a summary of that discussion with the
14 highlights in terms of what were the things that were
15 actually agreed upon and discussed and that sort of
16 thing so that we kind of get a general feel for, you
17 know, what we don't need to ask. I guess that's really
18 where -- you know, where I'm trying to go with that.
19 And then if there are any recommendations, for
20 example, do we need to, you know, discuss this any
21 further; are there -- is there a need to have a
22 presentation on it, or those kind of recommendations
23 should be brought to the full RAB to move forward.
24 And sometimes we forget to do that, and so
25 there's -- it's a good thing because it makes you have

1 to attend the Technical Subcommittee meeting if you
2 really want to know what's going on. But on the other
3 hand, we want to make sure that everyone's informed.
4 Does that make sense?
5 Okay. So are you -- is your report concluded?
6 DR. TOMPKINS: Yes. We did plan to give you a
7 written document --
8 MS. PENDERGRASS: That's --
9 DR. TOMPKINS: -- but things happen.
10 MS. PENDERGRASS: All right.
11 DR. TOMPKINS: We'll have it --
12 MS. PENDERGRASS: So now --
13 DR. TOMPKINS: -- for the next one.
14 MS. PENDERGRASS: -- we did have some TAG
15 grant --
16 DR. TOMPKINS: Yes, information.
17 MS. PENDERGRASS: -- discussion that you wanted
18 to talk about.
19 DR. TOMPKINS: Okay. Those of you looking to
20 your packet, CFC work plan [indicating], this outlines
21 the criteria for the TAG grant. If you look in this
22 week's *Bay View* and it will -- also a condensed version
23 is in the article, the advertisement, a section for the
24 TAG grant.
25 And also on the back page in the darkened

1 highlight, you can also see here the criteria for
 2 evaluation. This is not on a popularity basis. It is
 3 on a scale, how we rate it and it's weighted.
 4 So anyone -- if you know in your organizations
 5 anybody that may be qualified that can meet the criteria
 6 for a TAG grant contractor, we'd be happy to entertain
 7 their proposal. The deadline for this is to get it to
 8 either E- -- be via to me by mail by October the 20th at
 9 5 p.m.
 10 MS. PENDERGRASS: What's your outreach strategy
 11 for solicitation?
 12 DR. TOMPKINS: Bay View newspaper, be -- on
 13 KPOO radio be announced also, and word of mouth by the
 14 RAB.
 15 MS. PENDERGRASS: Okay.
 16 DR. TOMPKINS: I'm paying for the ad, dear, out
 17 of my pocket, not the grant.
 18 MS. PENDERGRASS: No. I'm just suggesting
 19 that --
 20 DR. TOMPKINS: Limited finance.
 21 MS. PENDERGRASS: -- perhaps the university
 22 system here in San Francisco might be a good choice
 23 for --
 24 DR. TOMPKINS: We did. I have.
 25 MS. PENDERGRASS: Okay. Excellent. All right.

1 DR. TOMPKINS: Thank you for reminding -- Yes,
 2 that did go in the faculty bulletin. Sorry.
 3 MS. PENDERGRASS: And --
 4 DR. TOMPKINS: Forgot about that.
 5 MS. PENDERGRASS: -- be more for just -- more
 6 than just for the community college district, though.
 7 DR. TOMPKINS: No. I'm at two colleges. I'm
 8 at a university and a college. So it's at San Francisco
 9 State University.
 10 MS. PENDERGRASS: Okay. Excellent. Any --
 11 DR. TOMPKINS: Oh.
 12 MS. PENDERGRASS: -- other discussion?
 13 DR. TOMPKINS: Motion. One other motion. I
 14 forgot about the motion.
 15 MS. PENDERGRASS: Yes.
 16 DR. TOMPKINS: That I'd like to make a motion
 17 for the Board that I give -- an update be part of the
 18 agenda -- regular agenda, an update on the TAG grant on
 19 a regular basis once a month so you could let -- and
 20 then when it is employed, when our person is employed,
 21 then it would be an update to the RAB from the TAG
 22 grant. That would be part of their job description to
 23 carry out.
 24 MS. PENDERGRASS: And so how would that differ
 25 from that being part of your Technical Subcommittee

1 report?
 2 DR. TOMPKINS: The Tech Committee would be --
 3 it would be his -- well, you'd have the chair giving it,
 4 and then the TAG grant person is two different
 5 entities. If you want to combine --
 6 MS. PENDERGRASS: But you could certainly --
 7 DR. TOMPKINS: -- or if you wanted Tag grant --
 8 MS. PENDERGRASS: You could certainly allocate
 9 part your time as the Technical Committee --
 10 DR. TOMPKINS: Well --
 11 MS. PENDERGRASS: -- to that piece.
 12 DR. TOMPKINS: -- it would be -- I'd want to
 13 separate it only because also I'm putting it within the
 14 contract for them, for example, to do, for example,
 15 presentations of technical pieces that have been asked
 16 by the -- in past history that they be able to put in
 17 lay-people's-term-translation meanings' significance and
 18 et cetera.
 19 So they have to be prepared to do presentations
 20 as well. So it would be somewhat different than -- I
 21 like to keep it separated so that their responsibilities
 22 are clearly designated.
 23 MS. PENDERGRASS: Is there any other discussion
 24 on that? Mr. Tisdell?
 25 MR. TISDELL: -- told -- I can talk loud.

1 Wouldn't that be totally different from the TAG
 2 grant and the Technical Subcommittee? because the
 3 Technical Subcommittee is basically taking what the Navy
 4 or the Shipyard is doing and trying to get it out to the
 5 community.
 6 And with -- The TAG grant is breaking the big
 7 words down and where they hold meetings off to the
 8 side. Now, wouldn't that be --?
 9 MS. PENDERGRASS: Well, is it --? I mean,
 10 let -- and you're perfectly correct, and let's take us
 11 back to what that intent is.
 12 The whole -- The Technical Committee looks at
 13 all the documentation and all of that from a more
 14 technical perspective. The TAG grant facilitates an
 15 expert to help them do that.
 16 That's why I'm suggesting that the TAG grant
 17 person is part of the Technical Subcommittee piece. But
 18 maybe I'm incorrect.
 19 Miss Lane?
 20 MS. LANE: The reason I asked them to make it a
 21 separate issue is because of the community outreach
 22 portion of the responsibility of the TAG to let the RAB
 23 members know exactly what they are doing with the
 24 grant. So it is different.
 25 In regards to the Technical Subcommittee,

1 that's up to the Technical Subcommittee if they want the
 2 TA, and it would have to be under the direction of
 3 Dr. Tompkins whether he would do a presentation for
 4 anything.

5 But this is like a small piece to let you know,
 6 okay, we did X community outreach efforts. We have had
 7 a meeting. This was the purpose of the meeting. This
 8 is what we talked about.

9 So it's just kind of an update. So it's
 10 actually different from the Technical Committee.

11 MS. PENDERGRASS: All right.

12 Again, any other discussion?

13 Mr. Van Houten?

14 MR. VAN HOUTEN: Just to go along with it, I
 15 just think it would be nice to have it as a separate
 16 line item on the agenda; that even if the technical
 17 chair didn't want -- you know, didn't acknowledge it to
 18 the person, it's there and it happens, and I think it
 19 would be a good thing.

20 MS. PENDERGRASS: Okay.

21 Any other conversation or discussion about
 22 that?

23 All right. The question on the floor, then, if
 24 you'll repeat the motion, is to add the TAG grant --

25 DR. TOMPKINS: -- as a regular line item --

1 MS. PENDERGRASS: -- as a --

2 DR. TOMPKINS: -- on our monthly --

3 MS. PENDERGRASS: Okay.

4 DR. TOMPKINS: -- agenda.

5 MS. PENDERGRASS: All right.

6 Do we have a second to that?

7 MR. VAN HOUTEN: I second it.

8 MS. PENDERGRASS: Okay. Mr. Van Houten has
 9 seconded that.

10 Discussion? Any more discussion?

11 All right. I'll call the question. All in
 12 favor of adding that line item to the agenda, signify --
 13 well, first, before I do this, because we have one more
 14 piece of discussion first, we need to just clarify with
 15 the Navy that they are all right with that, since they
 16 are kind of managing the agenda at this point.

17 MR. FORMAN: Having the TAG grant as a separate
 18 update --?

19 MS. PENDERGRASS: Yes.

20 MR. FORMAN: That sounds like a good idea.

21 MS. PENDERGRASS: Okay. So --

22 MR. FORMAN: Allot maybe five minutes to that?

23 MS. PENDERGRASS: Sure.

24 DR. TOMPKINS: That's all.

25 MR. FORMAN: Okay.

1 MS. PENDERGRASS: Okay. Very good.

2 All right. Now we've had that discussion.

3 It's okay with that. We'll move forward with the vote.

4 How many in favor of, signify by raising your hand.

5 One, two, three, four, five. There's no

6 opposed and no abstentions on that, so that will be

7 added for the next RAB meeting, which happens to be in

8 October. All right. Very good.

9 Thank you, Mr. Tompkins, for bringing that to
 10 our attention.

11 All right. Finally, then, do we have --? We
 12 don't have any community. I guess we have one community
 13 person.

14 Did you have anything you'd like to add or ask
 15 of the RAB, sir?

16 MR. POWELL: No.

17 MS. PENDERGRASS: All right. Very fine.

18 And I would like to ask the RAB if we might
 19 adjourn in honor of Georgia Oliva tonight.

20 MR. TISDELL: George who?

21 MR. FORMAN: Georgia Oliva.

22 DR. TOMPKINS: She passed away.

23 MS. PENDERGRASS: In remembrance of Georgia
 24 Oliva.

25 DR. TOMPKINS: She sat on the RAB. She died of

1 cancer.

2 MS. PENDERGRASS: So if that's all right, we'll
 3 take a moment before we adjourn to just commemorate her
 4 memory. We'll take three minutes, please.

5 *(Pause.)*

6 MS. PENDERGRASS: All right. Thank you all for
 7 that. And we're adjourned.

8 *(Off record at 7:58 p.m., 9/28/06.)*

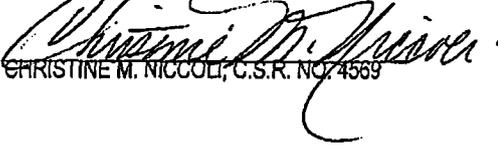
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CERTIFICATE OF REPORTER

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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 20th day of October, 2006.


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

April 11, 2007

Diane Silva
SWDIV Records Manager
Administrative Record (Code EVR)
NAVFACENGCOM Southwest
1220 Pacific Highway
San Diego, CA 92132

Subject: Hunters Point Shipyard Information Repository/Administrative Record
Submittals – Contract No. N68711-03-D-5106, CTO-016

Dear Ms. Silva,

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

- Final September 28, 2006 Restoration Advisory Board Meeting Minutes
- Final September 28, 2006 Restoration Advisory Board Meeting Transcript
- Final October 26, 2006 Restoration Advisory Board Meeting Minutes
- Final October 26, 2006 Restoration Advisory Board Meeting Transcript
- Final December 7, 2006 Restoration Advisory Board Meeting Minutes
- Final December 7, 2006 Restoration Advisory Board Meeting Transcript
- Final January 25, 2007 Restoration Advisory Board Meeting Minutes
- Final January 25, 2007 Restoration Advisory Board Meeting Transcript
- Final February 22, 2007 Restoration Advisory Board Meeting Minutes
- Final February 22, 2007 Restoration Advisory Board Meeting Transcript

Please feel free to contact me or Angela Williams (Community Relations Specialist – angelawilliams@bai.cc) if you have any questions.

Thank you,



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Cynthia Mafara, Contract Specialist