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2 NAVAL STATION TREASURE ISLAND  
3 ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING  
4 20 OCTOBER 1998  
5 7:00 P.M.  
6 Fogwatch Club (Building 227)  
7 TREASURE ISLAND  
8 MEETING NO. 50  
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13 TRANSCRIPT OF PROCEEDINGS  
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20 REPORTED BY: STEPHEN BALBONI, CSR NO. 7139

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1 COMMUNITY MEMBERS (Continued):  
2 CLINTON LOFTMAN  
3 ERNEST (MIKE) W. MICHELSEN  
4 HENRY ONGERTH  
5 JACK W. SAVAGE  
6 DALE SMITH  
7 HARLAN VAN WYE  
8 HUMPHREY HO  
9 GUEST:  
10 GENE BARRY

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1 ATTENDEES  
2 U.S. NAVY:  
3 JAMES B. SULLIVAN (BEC and Navy Co-Chair)  
4 ERNIE GALANG (RPM)  
5 SAN FRANCISCO MAYOR'S OFFICE:  
6 MARTHA WALTERS (SFRA)  
7 TETRA TECH EM, INC.:  
8 STACEY LUPTON  
9 REGULATORY AGENCY:  
10 PENNY MC DANIEL (for James Ricks)  
11 DAVID RIST (DTSC)  
12 GUTIERREZ-PALMENBERG, INC. (GPI)  
13 DARLENE ROBBINS  
14 BARRY ROBBINS  
15 COMMUNITY MEMBERS:  
16 JAMES ALDRICH  
17 KAVITHA RAO  
18 NATHAN BRENNAN  
19 RICHARD HANSEN (Community Co-Chair)  
20 ALICE LA PIERRE

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1 CO-CHAIR SULLIVAN: Okay. I think we are  
2 ready to get started.  
3 Welcome to our 50th Restoration Advisory  
4 Board meeting. We are having tonight's meeting in the  
5 Fog Watch Club, Building 227, because there is another  
6 event scheduled for the Casa.  
7 Take an opportunity to look around. If it  
8 looks like this is an improvement, or at least as good  
9 as the Casa, we could possibly continue to meet here.  
10 MS. WALTERS: Casa. Casa is a much better  
11 view.  
12 CO-CHAIR SULLIVAN: Yes.  
13 MS. SMITH: And better tables.  
14 CO-CHAIR SULLIVAN: Well, at least this is a  
15 potential option when the Casa is being rented out as  
16 it is tonight.  
17 And then the Nimitz Center is always a  
18 potential option, too.  
19 So our meeting location may vary, but we  
20 will let you know ahead of time.

4

1 There is extra copies of the agenda and the  
 2 draft meeting minutes out on the table, so everyone  
 3 should have one.  
 4 So our first item is the discussion and  
 5 approval of the agenda.  
 6 Are there any comments concerning tonight's  
 7 agenda?  
 8 It might turn out to be a little abbreviated  
 9 because I don't have quite as much material as I had  
 10 hoped to have for tonight.  
 11 Well, with that, we will proceed with the  
 12 agenda.  
 13 Our next item is public comment, but seeing  
 14 no members of the general public here, this would be  
 15 an opportunity for them to make any comments or any  
 16 questions regarding the cleanup program at Treasure  
 17 Island.  
 18 Our next item is discussion and approval of  
 19 the 15 September '98 minutes, and there is also  
 20 additional copies of those available if you didn't get

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1 one in the mail.  
 2 Also, if you have an E-mail address, please  
 3 check the sign-in sheet because I will continue to  
 4 E-mail the agendas and meeting minutes and anything  
 5 else I can do electronically.  
 6 Is there any comment concerning the  
 7 September meeting minutes?  
 8 (No response.)  
 9 CO-CHAIR SULLIVAN: We work pretty closely  
 10 to the transcript, so there really shouldn't be any  
 11 significant omissions or errors.  
 12 Well, if there is not any comments, then I  
 13 ask for a motion to approve the minutes as written.  
 14 MR. HANSEN: I so move.  
 15 MR. RIST: Second.  
 16 CO-CHAIR SULLIVAN: All in favor?  
 17 Minutes are approved.  
 18 Next item is -- Martha, if you have  
 19 announcements?  
 20 MS. WALTERS: Two items: One, the city is

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1 still in negotiations with the John Stewart Company.  
 2 I know that they are in the final stages, but they  
 3 have been in the final stages for a while. So I'm not  
 4 really sure about when that contract will be signe  
 5 I will let you know when that occurs.  
 6 Second of all, tomorrow at 1:00 at the Ferry  
 7 Building, the third floor, is the Treasure Island  
 8 Development Authority meeting. Everybody is cordially  
 9 invited to attend that.  
 10 MR. HANSEN: I notice on the agenda for that  
 11 meeting, Martha, they will consider the Citizens  
 12 Advisory Committee.  
 13 This group had asked that Pat and Paul be  
 14 given an opportunity to make an appearance.  
 15 MS. WALTERS: Sure.  
 16 I don't know if it's one or two RAB members,  
 17 but that should be addressed.  
 18 MR. HANSEN: We wrote a letter to that  
 19 effect; is that the letter (indicating)?  
 20 MS. RAO: No. These are from the last RAB

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1 meeting. I talked about it at that meeting, the  
 2 drafts of the applications, if anybody wants to see  
 3 it.  
 4 MS. SMITH: Yes. Harlan would like one.  
 5 MS. LA PIERRE: My understanding is that you  
 6 have to live in San Francisco to be a member?  
 7 MS. WALTERS: I'm not sure about that.  
 8 I don't think it's restricted just to San  
 9 Francisco.  
 10 I'm sure that they actually look at people  
 11 from Berkeley and Oakland and the surrounding  
 12 counties.  
 13 MS. LA PIERRE: When I looked at the  
 14 application last month, it said you have to be a  
 15 resident of San Francisco.  
 16 MS. WALTERS: It says here a resident?  
 17 MR. HANSEN: Is there a closing date for  
 18 this?  
 19 MS. WALTERS: I don't know. This is the  
 20 first time I have ever seen this.

8

1 MR. HANSEN: Okay.  
2 MS. SMITH: Actually, we are not even  
3 included.  
4 MS. RAO: And one concern we had with this  
5 was that the staff, I guess the way that the committee  
6 was going to be made, the staff was going to appoint  
7 25 members, and then it's up to TIDA to accept or not  
8 accept.  
9 So it kind of puts TIDA in a weird position  
10 because it's not really like they are choosing from a  
11 pool of applicants.  
12 MS. WALTERS: That must be under the  
13 Redevelopment Agency procedures because there is a  
14 standard way in which they do the procedures within  
15 the authority.  
16 It's a redevelopment agency, and that's  
17 exactly how it's done with Mission Bay, CAC. It's  
18 very standard.  
19 MS. RAO: But it's still a little  
20 misleading.

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1 MS. WALTERS: Well, the staff always makes a  
2 recommendation to the Board.  
3 The Board never makes, you know, those  
4 ultimate decisions. They have to take what the staff  
5 recommends.  
6 MS. SMITH: They have to take the staff  
7 recommendation?  
8 MS. WALTERS: No, no. They don't have to  
9 take it, but that's generally the procedure.  
10 MS. SMITH: Right. I understand that.  
11 But you said that the Board makes the  
12 decision.  
13 MS. WALTERS: Well, they approve or  
14 disapprove upon what the staff is recommending. It is  
15 up to the Board to make that decision. The Board  
16 doesn't have time to do all this work.  
17 I mean, it's like everything that I do at  
18 Treasure Island. I'm part of the staff. The Board  
19 doesn't have time to review documents and things like  
20 that.

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1 MS. SMITH: Understandable.  
2 But for a membership on a board in my city,  
3 somebody does not have to go through the City of  
4 Berkeley staff necessarily to get on a board. They  
5 can go around that.  
6 Staff can recommend, but, also, the citizens  
7 of the City of Berkeley can also, through their  
8 council, recommend somebody. They don't have to go  
9 through city staff.  
10 MS. WALTERS: Okay.  
11 MS. SMITH: What you're saying is that city  
12 staff is the ultimate barrier to getting on this  
13 board.  
14 MS. WALTERS: Well, I would look at it more  
15 as an opportunity rather than a barrier.  
16 MS. SMITH: If city staff does not recommend  
17 somebody, that means you're not, you don't have any  
18 possibility.  
19 Whereas in Berkeley, city staff may not  
20 recommend you, but the city council may say: We would

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1 like this person on this board.  
2 MS. WALTERS: Well, if you come to the  
3 meeting tomorrow, you can ask that question.  
4 MS. RAO: It's still in the draft. I think  
5 from your office and other people are going to go.  
6 MS. SMITH: I think it's an important issue.  
7 CO-CHAIR SULLIVAN: Okay. Well, thank you.  
8 So this leads us into the BRAC cleanup  
9 process.  
10 Our first item up is the discussion period  
11 for the site specific EBS for transfer Phase 1-B.  
12 At last month's meeting, we had a  
13 presentation on the Phase 1-B. The Phase 1-B are  
14 those sites on Yerba Buena Island which don't have any  
15 outstanding environmental issues in that we are  
16 preparing the finding of suitability to transfer.  
17 We are doing it in two steps this time,  
18 since it is a transfer document. Instead of doing  
19 both the EBS and a FOST, anticipating that there may  
20 be more comments on a FOST type document, we are doing

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1 the EBS separately; and then once we have a draft  
 2 final EBS, then we will be in a better position to  
 3 issue a draft finding of suitability to transfer.  
 4 So it's in a two-step process rather than  
 5 the combined steps that we did with the findings of  
 6 suitability to lease.  
 7 So all we have issued to date is two  
 8 documents, the Phase 1-A EBS, which was all those  
 9 sites on Treasure Island that didn't have outstanding  
 10 environmental issues, and the comment period closed  
 11 for that. We've got written comments from the  
 12 regulators, and I think we have some verbal comments  
 13 during the meetings. I know Richard Hansen made a  
 14 comment concerning asbestos in pipe.  
 15 So we are taking those comments on the Phase  
 16 1-A, and we are in the process of preparing a draft  
 17 response to comments.  
 18 But Phase 1-B, we are still in the comment  
 19 period until this Friday, the 23rd.  
 20 So since last week, last month, we made a

1 schedules, is that both documents would be completed  
 2 in the March, April time frame if we stuck to the  
 3 schedule, and that's well ahead of reaching a NEPA  
 4 record of decision, which would be criteria for  
 5 actually physically transferring, one of the criteria  
 6 for physically transferring the property.  
 7 So this is a case where we are staying ahead  
 8 of things so that we are ready with the FOST when all  
 9 of the other documentation is ready.  
 10 So at this point, this is not on the  
 11 critical path.  
 12 So I'm opening the floor to any comments or  
 13 further comments or questions concerning Phase 1-B  
 14 EBS, transfer EBS.  
 15 I also have an extra copy here if anyone  
 16 wanted to take one tonight to comment for Friday.  
 17 Yes, Dale?  
 18 MS. SMITH: Early in the 1990s, we lost a  
 19 road on the western side of YBI.  
 20 CO-CHAIR SULLIVAN: Yes.

1 presentation on Phase 1-B to introduce you to it about  
 2 the same time that we were issuing you copies.  
 3 Tonight, before the comment period closes,  
 4 we want to take the opportunity to take any further  
 5 discussion or questions, and then close the comment  
 6 period this Friday. And then we will begin the  
 7 process of preparing the response to comments on that  
 8 document also.  
 9 MS. WALTERS: What's your time to prepare  
 10 the response or have the responses?  
 11 CO-CHAIR SULLIVAN: Well, for the Phase 1-A  
 12 that we are already preparing the responses for, I  
 13 think we will have the draft responses around the  
 14 first or second week in November. It takes about 30  
 15 days or so after the close of the comment period.  
 16 For the Phase 1-B, with the comment period  
 17 closing this Friday the 23rd, the draft response to  
 18 the comments would be sometime in, I think, late  
 19 November, about 30 days or so.  
 20 The end result, I'm just looking at both

1 MS. SMITH: Due to something, which w  
 2 explained to us at the time.  
 3 I don't know if it was storm drain failure,  
 4 water tower failure or septic tank failure. Something  
 5 or other caused the entire road to erode and we had to  
 6 go around.  
 7 CO-CHAIR SULLIVAN: Right.  
 8 MS. SMITH: It's not in this document at all  
 9 as described as being a failure, even though you have  
 10 described things that occurred in the '80s.  
 11 Why is that road failure left out in terms  
 12 of the stormwater or sewer system?  
 13 CO-CHAIR SULLIVAN: If we are documenting  
 14 the geology of the site, when you're right, it's  
 15 probably appropriate to at least mention that some  
 16 slippage had occurred in that area.  
 17 So I agree with you. If we are describing  
 18 the geology in this document, then we should note any  
 19 significant item.  
 20 MS. SMITH: What was that failure, what

1 the cause of that failure? At the time, it was not  
2 documented.  
3 CO-CHAIR SULLIVAN: It was moisture in the  
4 soil, excess moisture in the soil. It was probably  
5 either due to rainfall or to watering.  
6 MS. SMITH: So it had nothing to do with  
7 physical infrastructure?  
8 MR. VAN WYE: Jim, wasn't it a water main  
9 break?  
10 CO-CHAIR SULLIVAN: That was suspected but  
11 it was never confirmed.  
12 MR. VAN WYE: I take it that the water main  
13 broke, but you couldn't tell whether the water main  
14 broke as a causative factor or whether it broke when  
15 the land slid.  
16 CO-CHAIR SULLIVAN: Well, the source of the  
17 water was above the road, and there was no leaking  
18 water lines above the road.  
19 So it had to be naturally occurring in the  
20 soil, either from rainfall or water.

17

1 MR. VAN WYE: As I recall, they also had a  
2 significant slippage along that same road back in the  
3 '70s when I was first here at Treasure Island. This  
4 is not the first time that slipped.  
5 CO-CHAIR SULLIVAN: But in answer to your  
6 comment, yes, in order to provide a complete geologic  
7 picture, we ought to include that.  
8 Any other comments or questions?  
9 MR. BRENNAN: A lot of times they talk about  
10 the electrical, oil fill switches, transformers. I  
11 know at one time you went through and cleared them all  
12 for PCBs.  
13 But it's only way back in the index or one  
14 of the appendices where it says, "no PCBs."  
15 You always mention oil fill, but there is no  
16 confirmation that those are non-PCB oil in the  
17 transformers and switches.  
18 CO-CHAIR SULLIVAN: So you might be looking  
19 for some sort of table or something?  
20 MR. BRENNAN: Well, no, just a confirmation

18

1 that there is oil, but it is not PCB.  
2 CO-CHAIR SULLIVAN: Okay.  
3 MR. BRENNAN: Because in each of the sites  
4 that has a transformer, it mentions oil fill  
5 transformer, but it doesn't say, "no PCBs."  
6 CO-CHAIR SULLIVAN: Okay.  
7 MR. BRENNAN: It just says: Oil fill  
8 transformer.  
9 CO-CHAIR SULLIVAN: Okay. That's a good  
10 comment.  
11 Anything else?  
12 (No response.)  
13 CO-CHAIR SULLIVAN: Well, the comment period  
14 then closes on this Friday, the 23rd. We will take  
15 comments in any form, handwritten, faxed, E-mailed,  
16 and then we will prepare the draft response to  
17 comments.  
18 This, of course, being a draft document,  
19 this isn't the end of it. You will next see a draft  
20 final EBS for both the Phase 1-A and Phase 1-B and the

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1 draft FOST, so this is only the beginning of having a  
2 couple of looks at this document.  
3 Well, thank you.  
4 Our next item is -- well, maybe I would  
5 propose that we at least jump to the feasibility study  
6 workshop, because I don't want to lose the opportunity  
7 to do that, unless there is particular interest in the  
8 fuel line or the IR sites 1 and 3, whatever the  
9 consensus is. But we have been trying to put the  
10 feasibility study workshop on the schedule, and it's  
11 been bumped by other documents several times.  
12 So I would like to, with your concurrence,  
13 go ahead and jump into that, if we are ready to do  
14 that.  
15 MR. HO: We are.  
16 CO-CHAIR SULLIVAN: So we wanted to provide  
17 a presentation slash workshop on the feasibility study  
18 process that we would be conducting for the CERCLA IR  
19 sites.  
20 Now, as you know, we haven't completed the

20

1 remedial investigation report yet. But we will likely  
2 be completing the RI in the near future, and we have  
3 already contracted for the feasibility study. So it  
4 is ready to start as soon as we get through the last  
5 of the remedial investigation report issues.

6 So we wanted to provide you an introduction  
7 to the feasibility study process before we actually  
8 began it.

9 MR. ONGERTH: Will we get copies of this  
10 material?

11 MR. HO: Yes.

12 We didn't quite bring enough tonight, but we  
13 will supply more next time, of the handouts.

14 CO-CHAIR SULLIVAN: There will be copies in  
15 the minutes. You end up, for those of you who come to  
16 the meetings, you end up actually getting two copies  
17 of everything handed out.

18 MR. HO: My name is Edward Ho. I'm an  
19 engineer with Tetrtech for the Treasure Island  
20 facility.

21

1 The purpose of the document is to combine  
2 data, ARARs, risks assessments and knowledge of  
3 technologies into comprehensive remedial alternatives  
4 for subsequent analysis and comparison. And we  
5 going to go into more detail now as to the specific  
6 contents.

7 The feasibility study typically starts with  
8 a discussion of, a summary of the findings in the  
9 remedial investigation, and then it goes into actual  
10 development of the alternatives.

11 The first part of that task is definition of  
12 remedial action objectives, RAOs. RAOs are  
13 contaminant specific, as in dealing with things like  
14 TPH or PCBs; medium specific, in that they deal with  
15 soil, groundwater, surface water, things like that;  
16 receptor specific, human or ecological; pathway  
17 specific, ingestion and inhalation and so forth; and  
18 they incorporate ARARs and risk goals.

19 And then you will see in your handouts, the  
20 first table looks like this (indicating). You're

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1 I just wanted to give you a general  
2 introduction tonight of what a feasibility study is  
3 and how it fits into the CERCLA process.

4 Again, I'm just going to speak in general  
5 terms tonight. The specific presentation of the  
6 specific FS for Treasure Island will occur in the  
7 future.

8 So we are going to cover definition and  
9 purpose, contents and methodology, and we will take  
10 comments and questions at the end, or if you need to  
11 have anything clarified during the presentation, just  
12 let me know.

13 Definition of purpose. The feasibility  
14 study is, you often see this acronym right here  
15 (indicating). The RI and FS are essentially the same.  
16 The remedial investigation and feasibility study are  
17 part of the same process.

18 The feasibility study is the aspect which  
19 systematically develops remedial alternatives to  
20 address contaminants identified in the RI.

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1 probably going to have to look at them because thi  
2 isn't legible.

3 But the second column gives examples of what  
4 remedial action objectives typically look like. For  
5 instance, take this one: As I said, they are medium  
6 specific, so this would be for soil.

7 This would be for, for instance, the  
8 remedial action objective, in this case, for human  
9 health, would be to prevent direct contact or  
10 ingestion with soil having a certain risk associated  
11 with it of carcinogens.

12 So that's an example of the type of RAO that  
13 would be developed in an FS.

14 Next step RAOs are identified is to develop  
15 general response actions, or GRAs. Typically, the  
16 general response actions are the ones that I listed  
17 here: Removal and disposal, containment, treatment or  
18 no action slash institutional controls. These are  
19 just general strategies for how to deal with the  
20 contaminants at a given site and achieve the RAOs.

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1 General response actions can apply to any of  
2 the RAOs that are developed for a given site.  
3 Now that table that you just had in front of  
4 you also contains examples of general response actions  
5 in the third column.  
6 As you can see, they tend to follow the  
7 lines of what I mentioned, including no action,  
8 institutional controls, containment, collection,  
9 treatment and so forth.  
10 So the GRAs, after they are developed, the  
11 next step is to identify the volumes of media for  
12 action. That's based on the RI data and the RAOs.  
13 The RI, as you know, has generated a great  
14 deal of data on all the sites, on all the contaminants  
15 found on all the sites.  
16 And to define the actual volumes of, let's  
17 say, soil that would be of concern for the FS, the  
18 RAOs are applied. Here's an example of, let's say,  
19 this is something like a landfill with various hot  
20 spots at the surface.

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1 The RI would provide all the data so that we  
2 could generate this kind of a picture of a site, and  
3 then the RAOs may identify excess cancer risk of 10 to  
4 the minus 4 as the volume of media of concern. Or if  
5 they identify 10 to the minus 6, the volume goes that  
6 much farther.  
7 MR. SAVAGE: What are those numbers with the  
8 negative exponents?  
9 MR. HO: The negative exponents are excess  
10 cancer risk.  
11 10 to the minus 6 is 1 in a million.  
12 10 to the minus 4 is 1 in 10,000.  
13 MR. SAVAGE: That number applies to the  
14 probabilities of a person getting cancer as a result?  
15 MR. HO: Correct.  
16 MR. ONGERTH: After 70 years OF exposure.  
17 MR. HO: In many cases, yes.  
18 CO-CHAIR SULLIVAN: Depending on what the  
19 exposure scenario would be.  
20 For residential, it would be long-term

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1 exposure.  
2 For a worker, it would be a more limited  
3 exposure.  
4 You can't look at those numbers by  
5 themselves. The numbers have to be coupled with a  
6 specific scenario of how the person is going to come  
7 in contact with a material and for how long.  
8 MR. HO: But the risks that I show in that  
9 figure are total risk for all the scenarios and all  
10 the pathways.  
11 So the next item would be technology  
12 identification and screening.  
13 In this phase of the FS, a broad range of  
14 technology types and process options are identified  
15 and considered.  
16 You will see in that table, again it's  
17 sampled technologies, I think in the fourth column.  
18 And I think it's got process options in the  
19 fifth. Yes.  
20 Those technologies and process options are

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1 screened on a site specific basis, and against the  
2 criteria of implementability. So, for example, if a  
3 remedial alternative for a site is a CAP, and if the  
4 site is steeply sloped, it may not be implementable,  
5 in which case that option would be rejected.  
6 So there is an initial screening like that  
7 during which a lot of process options and technologies  
8 will be screened out.  
9 And, again, let's see. One of the other  
10 tables that you have in your handout --  
11 MR. ONGERTH: Would you elaborate a little  
12 bit on that, to go back to what I was referring to  
13 something that was on the screen?  
14 MR. HO: (Ind. ing.)  
15 MR. ONGERTH: It says screening is based  
16 upon effectiveness, technical implementability and  
17 cost.  
18 Would you elaborate on the cost item?  
19 MR. HO: I will, and that is a subsequent  
20 screening.

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1 MR. ONGERTH: Okay.  
 2 MR. HO: We are talking about the initial  
 3 screening first, which looks like this (indicating).  
 4 This would be a technology type  
 5 (indicating).  
 6 These are a couple of process options  
 7 (indicating).  
 8 And these are both crossed out because, in  
 9 this case, they would be not feasible for intercepting  
 10 contaminants in fractured bedrock. So they would be  
 11 screened out in the initial phase for that reason.  
 12 And then the process options that survived  
 13 this first screening would make it to the next step,  
 14 the next table, where effectiveness, implementability  
 15 and cost are used to evaluate the process options.  
 16 Now, to answer your question, the  
 17 examination of cost at this phase is a qualitative  
 18 one. It does not actually involve cost estimates.  
 19 And as you can see in this table, they  
 20 simply say things like high capital, low O&M, low

1 capital, low O&M. So they are comparative qualitative  
 2 cost judgments.  
 3 MR. ONGERTH: They are not limiting values  
 4 as such.  
 5 MR. HO: No.  
 6 So all the process options are evaluated  
 7 against these three criteria, and the ones that  
 8 survived that are used to assemble alternatives.  
 9 The alternatives may combine many  
 10 technologies to comprehensively address all RAOs at  
 11 the entire site. So we have an example of that as  
 12 well.  
 13 Now, the number of alternatives developed  
 14 can vary widely from as few as two to as many as a  
 15 dozen.  
 16 In this case, there are seven here that are  
 17 developed, and as you can see, they combine a variety  
 18 of different process options to address the RAOs at  
 19 the site, all the different RAOs for all the different  
 20 media.

1 And, so, therefore, they can involve a lot  
 2 of different combinations of different technologies.  
 3 So once those alternatives are developed,  
 4 they pass onto a detailed analysis phase.  
 5 Now, there are nine criteria that are listed  
 6 here. These are the nine criteria that are used to  
 7 evaluate each specific alternative.  
 8 The first two are the most important.  
 9 Overall protection of human health in the environment  
 10 and compliance with ARARs.  
 11 There is another handout which goes into  
 12 more detail elaborating what each of those actually  
 13 means.  
 14 All the alternatives must meet the first two  
 15 criteria. The rest are used primarily for purposes of  
 16 comparison to choose which one is the best ultimately.  
 17 The other ones include long-term  
 18 effectiveness and permanence; reduction of toxicity  
 19 mobility, and volume through treatment; short-term  
 20 effectiveness; implementability; and cost. There is

1 also state acceptance and community acceptance.  
 2 Now, cost in this case is more specific.  
 3 This does involve an actual cost estimate, in which  
 4 case we use our best judgment to try and estimate what  
 5 the cost of that remedial alternative would be to  
 6 implement, not just initially, but through the entire  
 7 phase, all the operation and maintenance and so forth.  
 8 It's a bit of an early phase to be doing  
 9 specific cost estimate. So that cost estimate is more  
 10 of a comparative relative tool to compare the costs.  
 11 When a remedial action gets to  
 12 implementation, it's very possible that the volume of  
 13 the contaminant may be overestimated or  
 14 underestimated, and so the cost may change  
 15 significantly from what's estimated here.  
 16 But the purpose of this process is merely to  
 17 compare the different alternatives and see which one  
 18 is cheapest and which one is most expensive.  
 19 And so even if the cost changes in the  
 20 future, it's still a useful tool for selecting an

1 alternative.  
2 And, finally, there is a comparative  
3 analysis of alternatives. The previous phase was  
4 where we looked at each alternative in a vacuum and  
5 just examine it against those nine criteria and judge  
6 it on its merits.

7 And then we compare the alternatives against  
8 those same nine criteria to basically come up with a  
9 judgment of which ones looks superior.

10 And that, in essence, is the contents of the  
11 feasibility study.

12 The last two pages of your handout are an  
13 example outline of what a feasibility study would  
14 contain.

15 And at this time, I will take questions.

16 MR. HANSEN: What was the origin of this  
17 protocol? This is a textbook, right, that will be  
18 used by any contractor at any facility?

19 MR. HO: This is EPA guidance on preparing  
20 feasibility studies.

1 MR. HANSEN: And when was it written?  
2 MR. HO: Several years ago.  
3 CO-CHAIR SULLIVAN: Well, this is basically  
4 the Superfund guidance.

5 MR. HO: Right.

6 CO-CHAIR SULLIVAN: The CERCLA process that  
7 we have been following for all of the IR sites other  
8 than the ones with petroleum where it comes under the  
9 state program.

10 MR. HANSEN: So anyplace, any location, any  
11 contractor, this is the one?

12 CO-CHAIR SULLIVAN: Right.

13 MR. HO: Correct.

14 CO-CHAIR SULLIVAN: You are going to see  
15 this same type of feasibility study done on other Navy  
16 bases, other military bases, and other federal  
17 facilities.

18 MR. HO: But the intent behind this guidance  
19 is actually to leave a certain amount of leeway,  
20 because, of course, every site is different.

1 The feasibility process will differ in its  
2 emphasis on a site-by-site basis.

3 But, essentially, the procedure that I've  
4 outlined here is what will follow the FS.

5 Any other questions?

6 Dale.

7 MS. SMITH: Can you explain what an  
8 alternative is?

9 MR. HO: That might be something like a  
10 water filter that you have under your sink.

11 One alternative instead of treating  
12 groundwater, for instance, would be to install home  
13 treatment units in everyone's house so that they could  
14 still have access to clean water.

15 Dale, I should also point out, I remember  
16 previously that you had a question about some  
17 environmental justice issues. In that case, it was  
18 for the CAP program.

19 But for the FS, the community acceptance  
20 criteria, which is one of the nine criteria that I

1 used to judge the alternatives, would examine issues  
2 like that.

3 MS. SMITH: All right. And then another  
4 question is, your chart indicates a very careful  
5 delineation of the contaminant plume or saturation.

6 MR. HO: Correct.

7 MS. SMITH: And, yet, I rarely see a  
8 document come from Tetrattech or any of the other  
9 consultants or the military that well defines the  
10 contaminant, the extent of contamination.

11 So it would seem to be difficult to propose  
12 some kind of CAP if you did not know the depth of  
13 contamination, if you only went to saturation, instead  
14 of the full depth of the plume.

15 I have seen, I think, four well-delineated  
16 charts, such as you have shown. But other than that,  
17 I haven't seen any.

18 So are you fully prepared to be able to  
19 carefully delineate these contaminated areas to the  
20 extent that you propose this evening?

1 MR. HO: Let me point out, again, this is an  
 2 RI/FS process. The reason those are put together is  
 3 because they do interact with each other.  
 4 Where the FS comes to a point where it could  
 5 benefit from additional information, there is  
 6 provision to go out and gather it.  
 7 MS. SMITH: Okay.  
 8 MR. HO: And that can happen through  
 9 additional sampling analysis or through treatability  
 10 studies.  
 11 CO-CHAIR SULLIVAN: So in our case, we have  
 12 not actually completed the remedial investigation  
 13 report yet.  
 14 And then we have anticipated, it might be  
 15 conducting some additional investigations during the  
 16 FS process.  
 17 MR. HO: Yes?  
 18 MS. RAO: I just wanted to remind the RAB  
 19 back in May, I think it was, Chris Shirley, from our  
 20 office, had met with the BCT, and also presented to

1 the RAB back then, a proposal to get the RAB more  
 2 proactive in the making of the FS.  
 3 And so that offer, I believe, still holds  
 4 with the BCT.  
 5 Basically, her suggestion was, I think, a  
 6 very good one. It was giving us a chance to look into  
 7 all the active remediation technologies and things we  
 8 think might be of interest or useful at this site.  
 9 We could provide a list to the BCT for them  
 10 to consider during the FS phase. That way, we  
 11 wouldn't be in the position that we are continually in  
 12 after reading the documents and pointing fingers about  
 13 what is wrong with the document.  
 14 So it gives us a chance to start researching  
 15 or listening to things that we hear about in  
 16 remediation technologies and innovative technologies  
 17 happening around the nation or around the world.  
 18 And, hopefully, you're bringing it to the  
 19 attention of the BCT and Tetrattech, who often resort  
 20 to the same techniques.

1 So I definitely urge people to keep their  
 2 ears open, because even though the RI isn't finished,  
 3 we will get to that stage hopefully.  
 4 MR. HO: I would like to strongly second  
 5 that comment.  
 6 The FS is a collaborative effort. We want  
 7 to cast as wide a net as possible in examining all of  
 8 the technologies that are available.  
 9 Yes, it's a bit of a moving target. New  
 10 technologies are developed all the time.  
 11 So, yes, where you hear of technologies that  
 12 you think might be applicable, please do forward them  
 13 to us so that we may examine them within the FS.  
 14 MR. HANSEN: In that regard, is there  
 15 anything special, any unique cleanup problems that  
 16 Catalyst (phonetic) Corporation has for Mission Bay?  
 17 MR. HO: Catalyst?  
 18 MR. HANSEN: Catalyst, whatever you call it.  
 19 That was a dump for many years, wasn't it?  
 20 MR. HO: Landfill.

1 CO-CHAIR SULLIVAN: No, we're not work  
 2 tha project, I mean, we don't have anything to do  
 3 that project.  
 4 MR. HANSEN: I know we're not, but are they  
 5 doing anything that's unique and special compared with  
 6 what's going on with the Navy and the military bases?  
 7 CO-CHAIR SULLIVAN: I wouldn't have any  
 8 knowledge of a private site like that.  
 9 MS. SMITH: It's more appropriate at  
 10 Hunter's Point than Catalyst. That is a Naval  
 11 Station.  
 12 CO-CHAIR SULLIVAN: I'm sorry. Martha?  
 13 MS. WALTERS: I was just going to tell  
 14 Richard:  
 15 Basically, the 303 acre parcels, what is now  
 16 Mission Bay Development Corporation, was historically  
 17 fill, had some heavy metals, small amounts of  
 18 petroleum contamination.  
 19 The way in which Catalyst is approaching it  
 20 through their consultant is to get a risk managem

1 plans.  
2 So it's a very different approach, as Jim  
3 was saying. It's been very carefully watched by the  
4 Regional Board and DTSC.  
5 I agree with Dale: It's probably comparing  
6 apples with apples. I think the shipyard is more  
7 comparable. Obviously, there is more extensive  
8 contamination than Treasure Island, but the process is  
9 more similar.  
10 MR. HANSEN: But does EPA, having gone  
11 through this, you say this is a protocol developed by  
12 the EPA.  
13 MS. WALTERS: Yes.  
14 MR. HANSEN: Is this generic for cleanup for  
15 any contamination?  
16 MR. HO: Under CERCLA process.  
17 CO-CHAIR SULLIVAN: Under CERCLA Process.  
18 MR. HANSEN: Pertaining only to government?  
19 MS. WALTERS: No. Superfund sites or  
20 federal facilities.

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1 MR. HANSEN: So, basically, they follow the  
2 same protocol.  
3 MS. SMITH: Mission Bay is not CERCLA.  
4 MS. WALTERS: It's not a CERCLA fund site.  
5 CO-CHAIR SULLIVAN: Basically, you have  
6 Superfund sites, which could be public or private  
7 anywhere, that meets the Superfund criteria.  
8 MS. WALTERS: To be ranked.  
9 CO-CHAIR SULLIVAN: To be ranked, correct.  
10 But then federally owned property kind of  
11 falls into a special category, where even though we  
12 might not classify it as a Superfund site because we  
13 are a federal organization, we follow the federal  
14 process, which is CERCLA, but sometimes known as  
15 Superfund.  
16 MS. WALTERS: It's very much the same as at  
17 the Presidio.  
18 MR. HANSEN: I'm just asking the generic  
19 question: If this were an EXXON oil refinery that had  
20 substantial spills over the years, would it fall into

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1 the same protocol?  
2 CO-CHAIR SULLIVAN: Well, if this was a  
3 privately owned site, or any nonfederal site, it would  
4 either qualify for ranking as a national priorities  
5 list site, as a Superfund site, then it would be  
6 following the same protocol.  
7 But if it didn't qualify for ranking as a  
8 Superfund site, then it would fall under the state's  
9 cleanup program, which is somewhat similar. It just  
10 doesn't have the same terminology, all the same  
11 terminology; whereas the end of our process is a  
12 record of decision, or ROD, the state's process is  
13 called a RAP, or remedial action plan. But it's  
14 similar.  
15 MS. WALTERS: It's a parallel nature.  
16 MR. HANSEN: Same protocol.  
17 CO-CHAIR SULLIVAN: And even this process is  
18 somewhat similar to an environmental impact statement.  
19 And then in the feasibility study, we are  
20 evaluating alternatives, and the results of that

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1 evaluation would be a recommended alternative and a  
2 record of decision, just like you would have a record  
3 of decision for a NEPA document, an EIS NEPA document.  
4 MR. MICHELSEN: Jim, what's an example of a  
5 federally owned nonmilitary site?  
6 CO-CHAIR SULLIVAN: It might be like the  
7 Department of Energy, you know, like up at Livermore;  
8 any Coast Guard, any --  
9 MS. WALTERS: Department of Interior.  
10 MS. SMITH: Interior, Transportation.  
11 MS. WALTERS: Post Office.  
12 MR. MICHELSEN: Well, I was thinking of one  
13 that was going to close.  
14 CO-CHAIR SULLIVAN: Well, any federal  
15 property that might have to close for whatever reason.  
16 The Department of Energy has --  
17 MR. HO: The Department of Energy has quite  
18 a few.  
19 CO-CHAIR SULLIVAN: -- has quite a few  
20 sites.

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1 Next to the military, the Department of  
2 Energy probably has the most sites.  
3 MR. MICHELSEN: Although Livermore is not  
4 shutting down.  
5 CO-CHAIR SULLIVAN: No.  
6 And just another point: The process we are  
7 going through here at Treasure Island is really  
8 independent of the base closure.  
9 We would have been cleaning up this base  
10 regardless of whether we were closing or not, because  
11 the purpose of the cleanup is to protect human health  
12 and the environment.  
13 So we would be protecting the environment,  
14 San Francisco Bay for example, regardless of whether  
15 we were still an operating military base or not, and  
16 we would be protecting the health of our workers and  
17 residents here on the island.  
18 So there is some additions because of base  
19 closure, like these findings of suitability to lease,  
20 or findings of suitability to transfer, but the RI,

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1 the FS process, the record of decision, that's the  
2 same regardless of whether we are closing or not.  
3 And we have open bases here in the Bay --  
4 well, there is a few left here in the Bay Area who do  
5 have cleanup programs the same as ours.  
6 MR. HO: Anything else?  
7 (No response.)  
8 CO-CHAIR SULLIVAN: So we wanted to start  
9 beating the drum on the FS process, and we will  
10 continue to have presentations as necessary.  
11 We will be starting the process itself  
12 sometime probably after the first of the year pending  
13 the completion of the remedial investigation report.  
14 I have an item. The next presentation is a  
15 brief presentation. I don't have quite the fancy  
16 slides that Ed has, but I wanted to provide you with  
17 an update on the fuel line removal, as well as a few  
18 brief notes on the other USTs that are not part of the  
19 IR program.  
20 (Slide presentation.)

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1 CO-CHAIR SULLIVAN: Well, as you know, we  
2 have the IR program which has been investigating the  
3 IR sites.  
4 Originally, they were all under the CERCLA  
5 program. We have since split out 9 of them where  
6 petroleum was the major issue of concern into the  
7 Corrective Action Plan program.  
8 So you have been hearing over the years  
9 about IR sites and then CERCLA sites and CAP sites,  
10 but there is also a couple of other sites somewhat  
11 smaller in nature that are also being investigated  
12 under separate programs. I wanted to bring you  
13 up-to-date on those.  
14 So the other potential impacts to soil and  
15 groundwater are from fuel lines and other USTs not  
16 under the IR program.  
17 The fuel lines were used on Treasure Island  
18 to transport primarily diesel fuel, but also gasoline,  
19 and in some cases, possibly bunker fuel or ship fuel.  
20 In your BRAC cleanup, in your current BRAC

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1 Cleanup Plan for 1997, the maps -- this is probably  
2 map of about that vintage -- shows the fuel lines --  
3 know you probably can't see it that well from here --  
4 most of the fuel lines are along the eastern side of  
5 Treasure Island, which was a little more industrial in  
6 nature than the north and the east side or west side  
7 of Treasure Island.  
8 There was also a fuel line that snaked  
9 around Yerba Buena Island and delivered heating fuel  
10 to the various buildings on the island.  
11 So we started this project back in '95 by  
12 doing a geotechnical survey investigation, which  
13 basically went out based on our existing maps as well  
14 as using geotechnical instruments taking soil and  
15 groundwater samples.  
16 The purpose of that report was to best  
17 identify the locations of the lines. So we did that.  
18 And then that report was handed off to an  
19 engineer who prepared a set of construction plans and  
20 specifications for the actual removal and closure.

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1 What we felt is that the majority of lines  
2 could be removed, but there might be some lines which  
3 either weren't leaking, or, because of their location,  
4 would be best closed in place. So the plans and specs  
5 address both of that.

6 As some of you remember, we had the plans  
7 and specs done for about a year or year and a half,  
8 and we were always short on money. Then we finally  
9 got the funding, and the construction contract was  
10 awarded in 1997 to a company called Cal Inc.

11 So they performed their work between June of  
12 1997 and about six months ago, March of 1998. They  
13 excavated and removed about 16,000 linear feet of fuel  
14 line. In some cases, it was single line; and in other  
15 cases, it was multiple lines, even up to four lines in  
16 a single trench.

17 They also cleaned that excavated pipe and  
18 disposed of that piping and fuel product. Some of  
19 that piping had asbestos insulation, and that was also  
20 disposed of.

1 A big issue was stockpiling the soil and  
2 determining what soil could be used for backfill,  
3 because if we had simply removed all of the soil, we  
4 would have had to truck in a tremendous amount of  
5 backfill material to backfill the excavation with all  
6 new material.

7 So we stockpiled and tested the excavated  
8 soil. And where it tested clean -- and we used the  
9 criteria of 100 milligrams per kilogram for TPH in the  
10 soil -- it was put back, it was used as fill.

11 Where it was in excess of that, it was  
12 removed and sent for thermal treatment and disposal  
13 off site.

14 We ended up of having to dispose of almost  
15 1700 cubic yards of TPH impacted soil. So that soil  
16 then had to be replaced with clean imported soil.

17 Where the fuel lines went through IR sites,  
18 CERCLA sites, we also sampled, in addition, for the  
19 fuels we knew to be in the lines. We also sampled for  
20 the contaminants of concern at that IR site.

1 As a result of that, there was about 19 --  
2 not a large amount -- but about 19 cubic yards of soil  
3 that was impacted by lead that was also removed.

4 The closed in place lines, the ones that  
5 were left in place, we water blasted them clean and  
6 then filled the lines with cement and capped the ends  
7 so that they could no longer contain any fluids.

8 Most of that occurred on Yerba Buena Island  
9 where the topography was so drastic; and, in some  
10 cases, the lines were 10 feet or more deep, that in  
11 order to move construction equipment in to remove the  
12 line would have really affected the terrain here.

13 So this was the predominant area where the  
14 lines were closed in place.

15 Plus, fortunately, being above the water  
16 table, well above the water table, the lines were in  
17 much better condition than in the Treasure Island  
18 lines.

19 We did close a few short sections of line on  
20 Treasure Island. There was one case where a line went

1 into a building underneath the slab.

2 There were other cases where lines crossed  
3 under buildings or other infrastructure, and for that  
4 segment of line, we just chopped it at either end and  
5 then closed it in place and removed everything on  
6 either side.

7 The contractor prepared a completion report  
8 to document the work and to provide the analytical  
9 data and the manifest, hazardous waste manifest used  
10 to take the material off site.

11 So that work has been completed.

12 While this construction project was going  
13 on, we also had another, a separate Navy contract with  
14 Tetrattech to provide oversight and testing of the  
15 trench walls.

16 So Tetrattech in that case was working  
17 directly for the Navy. They weren't working for the  
18 contractor. So they were acting as another set of  
19 eyes for the Navy in overseeing the contractor.

20 But they also, then, had the additional job

1 of testing the trench walls.  
2 The soil was tested at about 100 lineal feet  
3 intervals, plus any areas where there were junctions  
4 or valves or contamination, leakage from the fuel line  
5 had been noted, basically any notes of interest.  
6 We also tested the groundwater at 200 lineal  
7 foot intervals where groundwater was present. In some  
8 cases, the lines were so shallow that we never  
9 encountered groundwater. In other cases, groundwater  
10 was encountered, and if it was, we tested it.  
11 We are in the process of producing a fuel  
12 line summary report, which the regulators and the RAB  
13 technical subcommittee will be receiving. I  
14 originally thought we would have it out by this  
15 meeting, but it probably will be out in another two or  
16 three weeks, probably by the time of the next interim  
17 meeting. That assessment is the result of Tetrattech's  
18 work, and that will document the work they did as well  
19 as recommend areas for further remedial investigation.  
20 Then what that document will feed into is a

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1 remedial investigation report for the fuel lines,  
2 which Ernie was able to award at the -- well, we were  
3 able to award that at the close of last fiscal year in  
4 September, so the project is paid for.  
5 Once we publish the fuel line assessment  
6 report and get some comments, then we will be ready to  
7 jump into the actual remedial investigation.  
8 We also, the Navy also conducted some  
9 in-house work using laser induced fluorescence. This  
10 is a method where you stick a penetrometer, a thin  
11 tube, into the ground and use X-ray fluorescence to  
12 search for hydrocarbons. We have additional report  
13 data from that.  
14 So the work from the contractor, Cal Inc.,  
15 this laser-induced fluorescence, and the fuel line  
16 summary report will all feed into the work that  
17 Tetrattech will do on the fuel line remedial  
18 investigation.  
19 The project also ended up removing a small  
20 UST, UST 234, in this area, (indicating). It happened

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1 to be right alongside the pipeline, so it just made  
2 sense to remove it as part of the pipeline removal  
3 project. But that UST would still have to have its  
4 own separate investigation and closure report.  
5 Other sites, other UST sites under  
6 investigation, we have UST 270 over here (indicating),  
7 at the boundary between the Navy and the Coast Guard  
8 on the east side of Yerba Buena Island. Other than  
9 the fuel line, that's the most significant other  
10 petroleum site. We are in the process of delineating  
11 a plume.  
12 And then we have a number of other small  
13 tanks dotted around the island. Most of these were  
14 500 gallon or so tanks, some of which we're just  
15 currently doing groundwater monitoring on, but,  
16 ultimately, we have to reach closure with the Regional  
17 Water Board on. They don't appear to be significant,  
18 but the Water Board still has to grant us closure on  
19 them. As we have further reports on those, I will be  
20 able to report in more detail on those tanks.

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1 We may also have two suspect tank sites that  
2 we are looking into. There are no signs of  
3 groundwater contamination, but we have seen some  
4 piping sticking out of the ground and we need to  
5 further investigate that.  
6 We have gone through previous grounds of  
7 looking for tanks, and these appear to be the last two  
8 suspect sites. So we will resolve whether there is  
9 tanks present there or not. If there is, we will  
10 close and investigate them.  
11 MR. VAN WYE: Jim, where are they located,  
12 please?  
13 CO-CHAIR SULLIVAN: Actually, one of them  
14 is -- which I don't really think is going to turn out  
15 to be a tank -- but there is some piping back in the  
16 back of Building 1. It may not even turn out to be a  
17 fuel vent. We don't know.  
18 But we have enough data from other tanks we  
19 pulled from around here not to have seen anything  
20 unusual over there. So I don't think it's going to

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1 turn out to be anything of a big issue. And most of  
2 the tank sites around Building 1 have been pretty  
3 small anyway.  
4 And then the other one is up near the top of  
5 Yerba Buena Island. There is another mystery vent  
6 sticking out adjacent to Building 221, a garage.  
7 Again, it may turn out to be nothing, but we're going  
8 to investigate it to close it out.  
9 MR. VAN WYE: Is it still used by the  
10 officer's club for the bar up on top of the island?  
11 CO-CHAIR SULLIVAN: No. Well, that's 229.  
12 221 is just below that.  
13 On these other UST sites, we are conducting  
14 either quarterly or semiannually groundwater  
15 monitoring. So there is ongoing monitoring going on.  
16 It has been an issue among the RAB members over the  
17 last year or so: Can the Navy coordinate this other  
18 miscellaneous groundwater monitoring with the  
19 groundwater monitoring that we are doing on the IR  
20 sites? We were finally able to do that last quarter.

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1 It's not being done as one report, but it's  
2 being done during the same time period. In fact, I  
3 think Tetratex is taking groundwater elevation levels  
4 at not only the IR site wells, but all of these other  
5 miscellaneous groundwater monitoring points so that we  
6 can have a complete groundwater picture.  
7 So at this point, it's still being conducted  
8 by two separate consultants but we are doing it in the  
9 same time frame.  
10 Any questions or comments?  
11 Yes, Richard.  
12 MR. HANSEN: Were those fuel lines still  
13 actively in use during the earthquake in '89?  
14 CO-CHAIR SULLIVAN: No.  
15 To my knowledge, I think the last one --  
16 well, the last ones were, most of them were out of  
17 service before that.  
18 There may have been some lines in limited  
19 use prior to '89, but after the earthquake, they were  
20 taken out of the service.

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1 The majority of the lines had been inactive  
2 for some period of time, some since the 1940s.  
3 So we were not really dependent on these  
4 fuel lines at the time of the earthquake.  
5 MR. HANSEN: Thank you.  
6 CO-CHAIR SULLIVAN: Yes, Dale.  
7 MS. SMITH: I read in the phase 1-B report  
8 something about black oil, or a reference to one of  
9 the parcels having a fuel line that contained black  
10 oil.  
11 Is that home heating oil? What kind of oil?  
12 CO-CHAIR SULLIVAN: I have to believe that's  
13 home heating oil.  
14 MR. SMITH: What is that?  
15 CO-CHAIR SULLIVAN: I would think that's  
16 home heating oil, but that's a good question. We  
17 should clarify that.  
18 MS. SMITH: And when you say you're testing  
19 the extent of the contamination around the lines, and  
20 you're also doing groundwater testing, you're doing

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1 vertical as well as horizontal out from the line,  
2 correct?  
3 CO-CHAIR SULLIVAN: Yes. Well, the fuel  
4 line was excavated in about a five-foot radius all  
5 around, five foot up and down vertically above and  
6 below the pipeline and to either side.  
7 MS. SMITH: Okay. And then when you do the  
8 water blasting to close lines in place, that water was  
9 captured, was it not?  
10 CO-CHAIR SULLIVAN: Yes, it was all captured  
11 in a Baker tank. It wasn't just discharged down the  
12 street.  
13 MS. SMITH: Just checking.  
14 (Laughter.)  
15 MS. WALTERS: Illegal discharge, huh?  
16 CO-CHAIR SULLIVAN: No, that's a good  
17 question.  
18 That's the kind of thing identified in the  
19 contractor's completion report, as to how he handled  
20 the water and other hazardous, potentially hazardous

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1 material.  
2 MS. SMITH: And on the map that was  
3 contained in that FOST report, there is a phantom line  
4 that comes, I think it comes from somewhere near the  
5 top of the island and it extends down to the  
6 northeastern side of YBI. It's called the phantom  
7 fuel line.

8 Why is it phantom? You think it's there?  
9 You have vent lines? Or you found iron in the soil?

10 CO-CHAIR SULLIVAN: Actually, you got me on  
11 that one. I didn't catch that.

12 MS. WALTERS: Mystery vent and phantom  
13 lines. It's kind of interesting.

14 I'm just curious where it came to the Navy's  
15 attention that there might be a line. Why would there  
16 be an oil tank on the top of the island? Why there?  
17 And has anything been done to try to find that thing?

18 MR. HANSEN: Chances are there was a storage  
19 near the high point of the island, there was a gravity  
20 feed.

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1 MS. WALTERS: Exactly.  
2 CO-CHAIR SULLIVAN: And there was, not right  
3 at the top of the island, not right at the top, but  
4 just below the top. There was a large concrete fuel  
5 storage tank that we closed in place, as a matter of  
6 fact, just because it was built into the hillside.

7 So many of the buildings received fuel by  
8 pipeline.

9 Your question is good. I should have an  
10 answer for you and I don't. So it sounds like it  
11 needs to be worded better than phantom fuel line.

12 And if it is an issue, it needs to be  
13 resolved anyway.

14 MS. SMITH: Yes.

15 CO-CHAIR SULLIVAN: There can't be any  
16 unresolved issues of transfer.

17 MS. SMITH: If the tank was concreted and  
18 you closed or removed it, and you have this line, then  
19 somehow that has to be at least acknowledged and  
20 removed or closed in place.

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1 CO-CHAIR SULLIVAN: I'm just guessing that  
2 maybe it's because we issued the draft Phase 1-B  
3 before we completed this fuel line investigation  
4 report. It's possible that some of the information in  
5 that report will clarify that. But I'm glad you  
6 noticed that.

7 Any other comments or questions?

8 MR. VAN WYE: My fantasy is that 10 years  
9 from now, when they start to develop the island, all  
10 over they're going to be digging trenches to put in  
11 new fuel lines.

12 MS. WALTERS: Ten years?

13 CO-CHAIR SULLIVAN: There are no longer any  
14 active fuel lines or underground storage tanks on  
15 Treasure Island or Yerba Buena Island. What few tanks  
16 we still have in service, and it's only very few, are  
17 aboveground.

18 Okay. Thank you. So you should be seeing,  
19 the regulators and the members of the technical  
20 subcommittee, should get a copy of the fuel line

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1 removal report probably in about the next three we  
2 or so, and then there will be a standard comment  
3 period on that. And then that will be the feeder into  
4 the remedial investigation, because the report does  
5 make recommendations on what areas should be further  
6 investigated. So we definitely want to seek your  
7 comment on that.

8 Okay. We can either do the next item, IR  
9 Sites 1 and 3, or take a short break.

10 MR. HANSEN: Could we take the break now,  
11 but before we take the break, would you announce for  
12 Henry and my benefit and other's benefit, that you're  
13 taking old volumes of handouts? Maybe we could do  
14 that at the break time, load them in your truck.

15 CO-CHAIR SULLIVAN: Yes.

16 Both Richard and Henry are providing me with  
17 copies of documents they no longer need. I brought  
18 this up. From time to time, we are happy to take back  
19 any documents that you might have. So please don't  
20 recycle them. You're welcome to keep all the

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1 documents we have provided to you for as long as you  
2 want.

3 But if you get to the point where you want  
4 to dispose of them, please bring them back to us,  
5 because we have cases where people, other people ask  
6 for older documents.

7 Since we've only made an initial number of  
8 copies, if we don't have an extra copy, then we are  
9 forced to go back to the Xerox machine.

10 MR. HANSEN: So this is give back night.

11 CO-CHAIR SULLIVAN: Yes.

12 So we will take back any of your documents  
13 any time.

14 So we will take a short break, and then our  
15 next item will be Sites 1 and 3, draft no further  
16 action RAB.

17 (A short break was taken from 8:20 to 8:45  
18 p.m.)

19 CO-CHAIR SULLIVAN: Okay. I think we are  
20 ready to get going again.

1 need to follow the process for officially closing them  
2 out. That process is to issue publicly, to the public  
3 at large, to issue a draft no further action RAB, kind  
4 of similar to an EIS/EIR, have a public comment  
5 period, a public meeting, and then pending the results  
6 of the public meeting and any comments we receive,  
7 proceed to finalize the document, unless issues come  
8 up during the comment period.

9 So a couple of meetings ago, I think about  
10 two meetings ago, Pat Nelson had asked that we,  
11 because we hadn't finished the RI, she hadn't seen the  
12 responses to comments made from the regulators and RAB  
13 on these two sites, and so she requested, as an action  
14 item, that the comments be provided.

15 And so we provided, last month we provided a  
16 written copy of the comments. It's about five or six  
17 pages. We send it out to all the RAB members. So all  
18 of you probably received this probably five or six  
19 weeks ago.

20 And so we put this item on the agenda, then,

1 Our next item was on IR Sites 1 and 3, and  
2 it's really another discussion type item.

3 IR sites 1 and 3 are two of our CERCLA sites  
4 that have been in the program since the beginning.

5 Site 1 is the old medical building with some  
6 medical equipment chemicals that had leaked through  
7 the floor and into the ground.

8 Site 3 happens to be next to Building 3,  
9 coincidentally. That was a site where PCB or  
10 electrical equipment had been stored, some of which  
11 had contained PCBs prior to being taken off the  
12 island, and, so, consequently, it was suspected that  
13 there was a potential for PCB contamination.

14 So these two sites have been in the program  
15 since the beginning.

16 Now we have gotten to the point where the  
17 Navy feels that we have evaluated the sites and there  
18 is no contamination that requires remedial action. So  
19 we are going to propose, then, for no further action.

20 But because the sites are in the program, we

1 to solicit, basically, any comments that you might  
2 have on the response to comments, because Pat felt,  
3 and I think others did, other community members did,  
4 too, that if there were concerns over our way of  
5 addressing the comments, that those types of things  
6 could be taken care of prior to the draft remedial  
7 action, no further action plan being issued to the  
8 public rather than wait for it to be issued to the  
9 public and then have the community members, the RAB  
10 members comment on it while it's already been issued  
11 to the public at large, if that makes any sense.

12 So that's why we have this item here  
13 tonight, although Pat wasn't able to, she called me  
14 and wasn't able to be here, ... Paul is out of town,  
15 too.

16 So I don't know if there is anyone else who  
17 has any comments concerning the draft response to  
18 comments. This is why we provided this item on the  
19 agenda.

20 Dale?

1 MS. SMITH: I have, with all due respect, I  
2 didn't follow up on all of these documents, but one  
3 question I would have, was any investigation ever done  
4 under the slab at Site 1 to see if any penetration had  
5 occurred through the slab? I know that years ago we  
6 expressed concern that that had not occurred.  
7 Obviously, because this is not an action item, this is  
8 not something that can be done at this point because  
9 it's over and done with. But was any investigation  
10 ever done to see if the contaminant migrated off the  
11 slab or through the slab?

12 CO-CHAIR SULLIVAN: We did -- well, to my  
13 knowledge -- and Ernie, you may have to correct me --  
14 we didn't penetrate the slab, although what we did do  
15 is, we put in a well off the building so that if there  
16 had been any migration of silver -- which is what the  
17 contaminant of concern was -- if it had gotten into  
18 the groundwater in a significant quantity, we would be  
19 able to detect it with this well that was about five  
20 or eight feet off from the building where the spill

1 had occurred.  
2 We detected, I think, negligible or  
3 nondetected silver in that well.  
4 MS. SMITH: I think there was a no detect in  
5 that well.  
6 CO-CHAIR SULLIVAN: Yes.  
7 MS. SMITH: Okay.  
8 CO-CHAIR SULLIVAN: And if we had detected  
9 something significant enough, then we would have had  
10 to, of course, further characterize that, but we found  
11 nothing to characterize.

12 But that's a good question about underneath  
13 the slab.  
14 Any other comments or questions?  
15 Well, what we were planning to do is, our  
16 next step would be to issue, because we have a draft  
17 document, would be to issue the draft no further  
18 action RAP and, together with that, there would be a  
19 public announcement in the paper, published in the  
20 paper that would announces the availability of the

1 document and the length of the comment period and the  
2 time and location of the public hearing.

3 MS. SMITH: Where do you think the public  
4 hearing would be held?

5 CO-CHAIR SULLIVAN: We were working with  
6 Martha on that.

7 There was some suggestion we might be able  
8 to have it at the Ferry Building, or some other  
9 location in the city, because we were thinking that we  
10 might want to have it in the city rather than out here  
11 to make sure that we were maximizing public  
12 transportation because, at this point in time, it's a  
13 little limited out here.

14 And, in fact, when we had the kickoff  
15 meeting for the EIS for Treasure Island, we had held  
16 that at the Ferry Building in the city and not out  
17 here.

18 MR. HANSEN: I think that's a good idea.  
19 Getting out here is not easy.

20 CO-CHAIR SULLIVAN: Yes.

1 We certainly want to, for all of these  
2 documents, and this may become a trend, I think we  
3 want to make sure that for these documents that go out  
4 public-wide, we are maximizing the opportunity for the  
5 public to participate.

6 Any other comments or questions?

7 I talked to Pat -- well, Pat called me  
8 before to say she wouldn't be at the meeting. One  
9 comment that she did have that I need to share with  
10 you is that, we have a draft document but we didn't  
11 distribute it to the RAB.

12 To be honest, I wasn't thinking a whole lot  
13 about it. The primary reason is, all of this data had  
14 been in the RI. The RAB technical committee members  
15 had reviewed the RI, which was pretty much just  
16 extracted from the RI, and so that's what we did.

17 But Pat did say that she wouldn't mind  
18 looking at the draft document before it went out. So  
19 one consideration might be to, we were hoping to get  
20 the document out in November, but one consideratic

1 might be to provide copies to the technical committee  
2 now, and have it as an item for discussion at the  
3 interim meeting, which is on the 4th of November.

4 MS. SMITH: How big is this document going  
5 to be?

6 CO-CHAIR SULLIVAN: Actually, this is it  
7 (indicating).

8 MS. SMITH: Okay. That's pretty slim.

9 CO-CHAIR SULLIVAN: This is Sites 1 and 3.  
10 It's basically extracting from the RI.

11 But we are in kind of the peculiar situation  
12 of not having actually completed the RI, so that's a  
13 little unusual.

14 MS. SMITH: I think that sounds like it  
15 would work.

16 CO-CHAIR SULLIVAN: So then we will provide  
17 copies to the technical subcommittee.

18 In fact, I have a couple here and can  
19 provide one to you and Kavitha, and then mail the ones  
20 to everybody else.

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1 MS. RAO: Thanks.

2 CO-CHAIR SULLIVAN: Now, what this does have  
3 reference to that is not in there is a draft public  
4 notice. I just couldn't put my finger on it before  
5 the meeting. We have it but I just couldn't put my  
6 finger on it.

7 MS. SMITH: I think what we are more  
8 interested in is just checking the technical part of  
9 it.

10 I can't speak for the technical  
11 subcommittee, but what date you hold your public  
12 hearing and what date you notice your public hearing  
13 is irrelevant to me. It's whether or not you got the  
14 data.

15 I think, as the technical subcommittee, as  
16 an environmental commission, that's what we should be  
17 looking at, not where you have your meeting. So I  
18 wouldn't worry about that.

19 CO-CHAIR SULLIVAN: Okay. Well, that's it  
20 for that item.

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1 So we will take any further comment at the  
2 interim meeting on the 4th. We still have to  
3 finalize -- actually, what is going to really kind of  
4 determine the ultimate schedule is that we still have  
5 to pin down the location and date of the public  
6 hearing because the public hearing has to occur  
7 sometime between the comment period. So then setting  
8 the date for the public period anchors the comment  
9 period.

10 So we really can't finalize the release of  
11 the document until we know for sure we have a comment  
12 period, that we have a public hearing that will occur  
13 during the comment period.

14 We would expect that we would be able to  
15 schedule that in November, and, so, consequently, if  
16 we got the document out in early November, and then  
17 the comment period would end in early December.

18 Before I forget, I will give this to you  
19 (indicating).

20 MS. SMITH: Oh, good. Thanks.

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1 Our next item is general updates. Are there  
2 any announcements of interest?

3 So Martha had previously mentioned that the  
4 Development Authority meeting is tomorrow. It's  
5 typically on the third Wednesday of the month. I  
6 think you are all getting their meeting notices  
7 anyway.

8 MR. VAN WYE: Dale Carlson has resigned as  
9 the chair, and so they're going to look into  
10 appointing a new chair.

11 I understand the mayor has selected somebody  
12 but it's not public yet.

13 CO-CHAIR SULLIVAN: And separate from our  
14 cleanup program, but the CalTrans draft EIS for the  
15 bridge replacement is also out.

16 That comment period originally, I think, was  
17 going to close the 8th or 9th of November. I just  
18 heard the rumor that it may have been extended to  
19 maybe as late as the 23rd of November, but I just  
20 heard that. I haven't confirmed that.

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1 The complete EIS is on the Internet at  
2 CalTrans District 4 Web site. I think in the mailing  
3 for the last interim meeting, I included a flier that  
4 had all the information and the public hearings.

5 They had a public hearing last week both in  
6 Oakland and in San Francisco. I think there is public  
7 hearings maybe even sometimes this week in Vallejo and  
8 Walnut Creek.

9 MR. HANSEN: Did you go to one of those?

10 CO-CHAIR SULLIVAN: No. I didn't get a  
11 chance.

12 Did anyone get a chance to go to any of  
13 them?

14 From what I heard, they weren't  
15 presentations, per se. It was just a period of time  
16 for the public to come in and comment. The document  
17 is available on the Web.

18 Next item, FY-99 cleanup program schedule  
19 and the prioritization.

20 Last month, I had a handout with our '98

1 program, but I didn't get a chance for tonight's  
2 meeting to put together the schedule.

3 And, actually, we need to go over that at  
4 our next BRAC Cleanup Team meeting, too, which we  
5 didn't, so that item would be deferred.

6 So we will go over it at the BRAC Cleanup  
7 Team meeting, and then we will be able to bring that  
8 to the RAB at the November meeting.

9 So that would be a list of our projects to  
10 give you an opportunity to voice any comments  
11 regarding prioritization.

12 Kind of interestingly, what we found over  
13 the last couple of years is that, since the process  
14 kind of follows a step-wise procedure, in a way you  
15 really, some of the prioritizations are kind of  
16 predetermined because you have to do one thing before  
17 the other.

18 So in our case, we are doing a lot of  
19 investigation in the early part of '99 so that we can  
20 get to designs, and, in some cases, remedial action

1 contracting at the end of the year. But that's the  
2 only way we can do it. So there really isn't a whole  
3 lot of options in the way that's prioritized because  
4 we have to investigate design and then remediate.

5 But there is still some opportunity for  
6 community members to voice their concerns for one  
7 particular project or another.

8 Lead in soil update. That was kind of a  
9 carryover from last month, and there really isn't any  
10 new, there really isn't any final developments on that  
11 yet. They are kind of two, there were two areas that  
12 we were addressing:

13 One was the lead in soil in nonresidential  
14 areas. The state, DTSC had come out and sampled  
15 those.

16 And then the other area is the lead in soil  
17 in residential areas where, under the HUD guidelines  
18 as well as some state counterparts in Title 17 for  
19 residential areas, the Navy is sampling, and I think  
20 appropriately, abating lead in soil in residential

1 areas.

2 Yes.

3 MS. RAO: Last month, I had a handout and  
4 spoke to people about the federal EPA proposed  
5 document 403 for the national guidelines on lead.

6 To let you guys know, in large part to RAB  
7 requests across the nation, the comment period has  
8 been extended to November 30th.

9 So I still urge people to take a look at the  
10 document to make comments on it. It has a lot of  
11 ramifications for the Bay Area and all over, as well.

12 CO-CHAIR SULLIVAN: How big is the document?

13 MS. RAO: It's pretty large.

14 MS. SMITH: How thick is it in inches?

15 MR. RIST: Inch and a half, an inch,  
16 somewhere in there.

17 MS. RAO: I can talk to our office if you  
18 want.

19 CO-CHAIR SULLIVAN: Then next, we had our  
20 last BRAC Cleanup Team meeting on the 5th of October

1 and, Kavitha, you were there.  
 2 MS. RAO: Yes.  
 3 CO-CHAIR SULLIVAN: So we had a RAB member  
 4 there.  
 5 We held that at the Regional Water Board's  
 6 new offices in Oakland. So if you don't have the new  
 7 address, they do have a new address.  
 8 MR. VAN WYE: Are they in the new state  
 9 building, 1515 Clay Street?  
 10 CO-CHAIR SULLIVAN: Yes.  
 11 And the issues we discussed during that  
 12 meeting were the Site 12, the additional sampling that  
 13 we have conducted for dioxins, TPH and lead, and there  
 14 may be some additional work that we do for lead in  
 15 soil in one particular area.  
 16 We discussed the no further action RAP for  
 17 Sites 1 and 3 that we just discussed here tonight.  
 18 We talked about the lead sampling that we  
 19 have been doing in, briefly, in residential and  
 20 nonresidential areas.

1 The Navy presented kind of a preliminary,  
 2 kind of a point paper on risk assessment with regards  
 3 to depths, the methodology for conducting risk  
 4 scenarios.  
 5 But it was kind of our initial effort in  
 6 having gotten some comments from the regulators at  
 7 that meeting. We are going to go back to further  
 8 refine that.  
 9 And I think we had briefly discussed the  
 10 validation studies for 11-28 and 29, but what was the  
 11 information on that, Ernie?  
 12 MR. GALANG: That we are issuing -- in fact,  
 13 we have issued a tech memo for this, and then we will  
 14 be doing the sampling and issue something in March.  
 15 So we still have to do that.  
 16 CO-CHAIR SULLIVAN: I think you should have  
 17 gotten that in the last week or two.  
 18 And then we did consider, we just kind of  
 19 threw out for thought that these three sites -- 11, 28  
 20 and 29 -- have this outstanding ecological

1 investigation issue, and we were at least throwing out  
 2 for future consideration, if the validation for these  
 3 sites is going to affect the completion of the  
 4 remedial, the onshore remedial investigation, then  
 5 maybe we might want to consider pulling them out and  
 6 not letting them hold up the rest of the onshore  
 7 remedial investigation.  
 8 So we haven't made that decision, but that  
 9 was kind of an option that we threw on the table.  
 10 MS. SMITH: Do we have a chance to comment  
 11 on that document? It's not listed -- it's just a  
 12 technical document, but sometimes we do get a chance  
 13 to comment.  
 14 I've received it and I've read most of it,  
 15 but it's not on this, and it doesn't appear to be in  
 16 November's agenda.  
 17 MR. GALANG: It's just a memo that we have  
 18 done a survey, and then we have to divert something  
 19 sometime in March, too.  
 20 MS. SMITH: Okay.

1 CO-CHAIR SULLIVAN: You would still be able  
 2 to comment on the RI, which this will feed into.  
 3 MR. GALANG: Yes.  
 4 CO-CHAIR SULLIVAN: But if you have any  
 5 comments, since it's essentially kind of a report or  
 6 essentially just a status document -- but if you have  
 7 any comments on it, we would be happy to get them.  
 8 But we didn't ask for specific comments or  
 9 provide a specific comment period.  
 10 MS. SMITH: Right.  
 11 CO-CHAIR SULLIVAN: And then we discussed  
 12 this RAB meeting.  
 13 I think those were the major items.  
 14 And so you will be getting the minutes from  
 15 that BRAC team cleanup team meeting in a couple of  
 16 weeks. It normally takes about a month or so from the  
 17 meeting date to the time the draft minutes are issued.  
 18 And the next BRAC Cleanup Team meeting is  
 19 Monday, the 2nd of November, and David is hosting that  
 20 over at DTSC.

1 There was a change a week or two ago, so we  
2 are back to the first Monday of the month.  
3 Then the next item was document status. We  
4 are still working on that. That's still a work in  
5 progress. But we have a rough draft, the Navy has a  
6 rough draft we are working on. We need to refine it a  
7 little more before we send it to the regulators and  
8 the community members.

9 That's something that we realized -- it came  
10 up at our BRAC Cleanup Team meeting, too -- that's  
11 something we realized we needed to do. There are so  
12 many documents floating out there that it's getting  
13 harder and harder to tell where we are, what documents  
14 need to be commented on, where we are in the comment  
15 period, what the upcoming documents are, and when they  
16 are going to arrive. That's what we intend to do with  
17 this document status schedule.

18 MR. ONGERTH: What's your timetable for  
19 getting that out, Jim?

20 CO-CHAIR SULLIVAN: Before the next meeting.

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1 MR. ONGERTH: Great. Good.

2 CO-CHAIR SULLIVAN: It's something that we  
3 already have an internal draft of. We just need to  
4 refine it a little more so we can send it out.

5 MR. ONGERTH: You expect to send it out  
6 before the meeting?

7 CO-CHAIR SULLIVAN: Yes. I think we will  
8 just mail it out just as a separate mailer.

9 MR. ONGERTH: Great. Good.

10 CO-CHAIR SULLIVAN: We could E-mail it to  
11 you.

12 MR. ONGERTH: Yeah.

13 (Laughter.)

14 CO-CHAIR SULLIVAN: Next item is review of  
15 action items. I didn't really prepare for this.

16 Are there any items that anyone, any  
17 community members are particularly concerned with?

18 MS. RAO: I was just wondering about the  
19 status of the TAPP grant.

20 CO-CHAIR SULLIVAN: Yes. And I promised you

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1 I would send it to Washington, and I did.

2 Our in-house staff at San Bruno looked at  
3 it, and they seemed to think that it was okay.

4 I mentioned, when I sent it to Washington,  
5 that you talked with someone at the DERTF conference,  
6 and they thought it was okay, too.

7 What I think we ought to just go ahead and  
8 do is start. I wasn't able to grab a blank  
9 application before the meeting, but I think we should  
10 just go ahead and start filling out the application.

11 I think what is needed is the next step to  
12 come up with the scope of work -- or not scope, but  
13 kind of level of effort in terms of work hours and  
14 what that's going to ultimately translate to in terms  
15 of dollars.

16 I'm not quite sure as to what the magnitude  
17 of this project is, or whether or not you might even  
18 want to do one small piece first to get it going and  
19 then bite off the smaller chunk, and, then, depending  
20 on the outcome of that, go on to something bigger.

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1 MS. SMITH: I thought the way in which we  
2 wanted to approach the research was questioned by  
3 someone. I didn't know if it was internal to the Navy  
4 or at the Washington level.

5 At the interim meeting, you mentioned we  
6 were not following what they considered new protocols,  
7 or was I missing part of that?

8 CO-CHAIR SULLIVAN: I don't know, or else I  
9 don't remember what I said.

10 No, I can't remember. I can't remember if  
11 there was any specific issue.

12 MS. SMITH: So the TAPP grant is not in  
13 jeopardy in any way, shape or form at the moment?

14 CO-CHAIR SULLIVAN: No. It's still a  
15 consideration.

16 I might have mentioned that when you  
17 recommend a specific provider -- this was probably  
18 it -- as part of the TAPP proposal, you can, or don't  
19 have to, necessarily, recommend a provider, but if you  
20 recommend a provider, the Navy still has to reach

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1 formal government contract with that provider, and  
2 depending on --  
3 MS. SMITH: No. This was somewhat -- and I  
4 wasn't involved in the writing of this grant or this  
5 proposal -- but I thought we had asked for a process  
6 that was more standard and that you had said that  
7 someone, or the military, the federal government, the  
8 DoD was not happy with the process we wished to have  
9 used for the exploration, that they wanted to go in a  
10 different manner.

11 I don't remember the terminology at the  
12 moment that you used.

13 CO-CHAIR SULLIVAN: I don't think there is  
14 an issue.

15 But the only contractual type issue is with  
16 whether or not the Navy can reach a formal government  
17 contract with the recommended provider.

18 MS. SMITH: And so did Art recommend a  
19 particular provider?

20 MS. RAO: Yes. Well, it was a graduate

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1 student who is coming to our meetings.  
2 MR. HANSEN: Could you send an application  
3 form to Kavitha?

4 CO-CHAIR SULLIVAN: Yes.

5 MR. HANSEN: Let's do it.

6 CO-CHAIR SULLIVAN: I think we should go  
7 ahead and do that and then determine what the  
8 magnitude of the project is, because that's going to  
9 determine, as you might remember from six months or  
10 nine months or so ago, when we had our contracting  
11 office people here -- maybe Chris was at that  
12 meeting -- but depending on the size of the contract  
13 determines the number of steps and the time it takes.

14 Also, there is more flexibility with you  
15 choosing your own provider when a contract is smaller.  
16 As it gets bigger, we are obligated under federal  
17 contracting laws to seek other providers to get  
18 alternative bids.

19 MR. HANSEN: And if they find that there is  
20 something unacceptable with the request, they will let

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1 you know.

2 MS. RAO: Right.

3 MR. HANSEN: They have to. This is a  
4 request.

5 MS. SMITH: I would be concerned that we  
6 hamper the whole process by politicizing the request  
7 for a particular person to do this.

8 We've already done this in Berkeley with  
9 DoD, and we have just shot ourselves in the foot  
10 several times.

11 MR. HANSEN: If it's under 2500, it doesn't  
12 have to be competitive.

13 MS. SMITH: So I'm just expressing concern  
14 that this body not do the same thing that the City of  
15 Berkeley did, shoot itself in the foot by saying we  
16 must have this and nobody else is legitimate.

17 CO-CHAIR SULLIVAN: Also, while we are on  
18 the subject of the TAPP program, I think once you get  
19 the document summary in the next couple of weeks, I  
20 would recommend to the community members that you look

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1 to use -- well, depending on the magnitude of this  
2 other project -- that you consider using the TAPP  
3 program to have third parties review some of the  
4 upcoming documents.

5 That's kind of typically what the TAPP has  
6 been used for in other locations, and it's fairly easy  
7 to contract if you simply want someone to review  
8 document X, whether or not you have your own  
9 recommended contractor.

10 The scope of that type of contract is  
11 relatively simple: Just review the document, report  
12 back to the RAB, and that may also be a way, given the  
13 loss in membership that we have had, using the TAPP  
14 program to get more of the review of documents, maybe  
15 a way to help compensate for the loss of membership.  
16 That's just for consideration.

17 The program is up to \$25,000 per year, and  
18 even that's kind of a flexible number. But I would  
19 encourage -- and Ernie has put it in his budget for  
20 this year -- so I would encourage you to think ahead

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1 through fiscal year '99 to try to make use as much of  
 2 the amount as you can.  
 3 Okay. Next, organizational business. I  
 4 think we have two membership items.  
 5 MR. HANSEN: I think we should note for just  
 6 a minute that it's a pleasure to see two of our family  
 7 members back again, Clinton Loftman and Henry. We  
 8 haven't seen them for a while. It's good to have them  
 9 back. We miss them when they're gone.  
 10 The other thing is, Nathan's colleague,  
 11 Dr. Cheu Fi Humphrey Ho (phonetic), has been here now  
 12 for the third time. I think we have had a procedure  
 13 in the past, as new members expressed interest in  
 14 coming to the RAB, that we co-opt them or somehow make  
 15 them provisional members of the RAB.  
 16 CO-CHAIR SULLIVAN: I thought there was a  
 17 bylaw that if you showed up three times, you were  
 18 automatically it.  
 19 MR. BRENNAN: You have to come back.  
 20 MR. HANSEN: So, Ernesto, I will give you

1 their phone numbers and addresses. We will try to  
 2 bring them back here regularly.  
 3 Nathan, would you say a few words about  
 4 Dr. Ho?  
 5 MR. BRENNAN: Well, I work with Humphrey at  
 6 the treatment plant. He works in the Environmental  
 7 group. I work in the Operations group, so we don't  
 8 trust him at all.  
 9 But Humphrey has worked on a lot of projects  
 10 for us. He and I worked together at the Oceanside  
 11 plant. He came in and did a lot of work on the  
 12 digesters. We went through some critical times.  
 13 He is very technically oriented, much more  
 14 than me -- like I said, I'm in Operations -- but he  
 15 can help us. I think he can help us out a lot on the  
 16 technical stuff.  
 17 MR. HANSEN: Ph.D. in sanitary engineering  
 18 from Berkeley?  
 19 DR. HO: Yes.  
 20 MR. HANSEN: Welcome aboard.

1 (Applause.)  
 2 CO-CHAIR SULLIVAN: And then we have another  
 3 application?  
 4 MR. HANSEN: Yes. This application -- w  
 5 this in the mail?  
 6 CO-CHAIR SULLIVAN: Yes. I got that in the  
 7 mail a couple of days ago.  
 8 MR. HANSEN: This is from John Michael  
 9 Gregson, who lives in the City.  
 10 It's noteworthy that he says he would like  
 11 to have the opportunity to participate with a dynamic  
 12 positive group of citizens -- that's us -- interested  
 13 in making Treasure Island --  
 14 MR. ONGERTH: A big mistake.  
 15 MR. HANSEN: But after those good  
 16 compliments, I think we should also co-opt this  
 17 individual, and I will pass this on.  
 18 MR. VAN WYE: So moved.  
 19 MR. HANSEN: So we have now gained two  
 20 members, and we've gained two members of our family

1 back again, so it's a good night.  
 2 CO-CHAIR SULLIVAN: Okay, great.  
 3 On the membership issue, too, I think -- we  
 4 don't have to make a decision tonight -- but I think  
 5 we are probably getting to the point where we have to  
 6 go out with another advertising campaign. Maybe that  
 7 could coincide with the release of the EIS, which  
 8 would probably be in the next few months, probably  
 9 around the first of the year, although I haven't seen  
 10 a firm date.  
 11 So I think on the Navy side, we will start  
 12 thinking about the mechanics of getting an advertising  
 13 out after the first of the year.  
 14 MR. VAN WYE: Jim, just to put this into  
 15 context, at some point in the future, this RAB on  
 16 Treasure Island is going to go out of business.  
 17 Do you have any idea when that's going to  
 18 be?  
 19 CO-CHAIR SULLIVAN: Well, actually, that's a  
 20 question that's come up at the RAB caucus. I thin'

1 the RAB caucus brought that up to the Department of  
2 Defense, I think.

3 But, anyway, that's a question that's been  
4 posed by other RABs to the Department of Defense.  
5 It's kind of an open-ended question.

6 MR. VAN WYE: TI specific.

7 CO-CHAIR SULLIVAN: Well, TI specific.

8 Well, I guess it's a question of where do  
9 the community members feel that their business or  
10 mission is done? Is it at the record of decision when  
11 you basically decided what to do to clean up? Or is  
12 it when the cleanup is actually done, a year or two  
13 later? Or there is a five-year review following the  
14 completion of the cleanup to determine if the cleanup  
15 has been successful.

16 MR. VAN WYE: What do the federal  
17 regulations provide?

18 CO-CHAIR SULLIVAN: It doesn't. The federal  
19 regulations are mute on the termination of a RAB.

20 So I'm sort of interpreting that as meaning

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1 that it's probably, the RAB is maybe self-terminating  
2 as to whenever the group feels that their mission is  
3 complete, then the RAB would dis-establish itself.

4 MR. ONGERTH: When you get down to five  
5 members, quit.

6 MR. HANSEN: In all seriousness, I asked  
7 that question myself this afternoon. I asked that of  
8 myself. I read this little article (indicating).  
9 According to this, it says that, for Treasure Island,  
10 the total estimated cost for remediation is 79  
11 million, and still to be spent is 62 million. The  
12 construction/completion date is estimated to be in the  
13 year 2002. When the money is all spent, the project  
14 is over.

15 Now, I had not heard about this five-year  
16 review. Is that in the legislation also?

17 CO-CHAIR SULLIVAN: Well, it's in the  
18 CERCLA. It's in the Superfund regulations that, after  
19 you have done the cleanup, you still have to -- I  
20 think it's a five-year -- you have to come back and

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1 determine, because in some cases, if you simply dug  
2 something up, it's gone. It's done with.

3 But in other cases, part of the cleanup is  
4 installing like a groundwater treatment system, and  
5 that treatment system will operate for some period of  
6 years.

7 So you come back in a five-year period to  
8 see if that system is operating like you planned it to  
9 operate.

10 MR. HANSEN: But in principle, everything of  
11 the ilk of dig and haul away should be finished in  
12 about two or three years, is that not correct?

13 CO-CHAIR SULLIVAN: Yes.

14 MR. HANSEN: All the skeet targets and all  
15 those things?

16 CO-CHAIR SULLIVAN: I mean, if you're  
17 physically removing something and not treating it on  
18 site, then that would be complete as soon as it's dug  
19 up.

20 But if you're treating it on site, then that

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1 treatment may last for some period of time after 2002.

2 MS. SMITH: That may last, not necessarily  
3 here, but that could last for 20, 50 years.

4 CO-CHAIR SULLIVAN: Well, part of your  
5 treatment design, and that's something that would be  
6 in the feasibility study, to determine what the  
7 methods of treatment, different methods of treatment  
8 require different periods of time, and that would be  
9 part of a consideration, too.

10 So, anyway, the answer to the question is,  
11 there is no law that says when a RAB dis-establishes,  
12 although some RABs either from the beginning or over a  
13 period of time have changed their meeting frequency.  
14 There are some RABs that meet only once a quarter or  
15 maybe fewer than that.

16 So that, over time, that's something that  
17 could also be done, too, if necessary.

18 MR. HANSEN: When the property will be  
19 turned over to the city, it puts a different tilt on  
20 the whole thing.

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1 I mean, we are here because the Navy owns it  
2 and the city will take it over by and by. But once  
3 it's turned over to the city --

4 MR. VAN WYE: Once it's turned over to the  
5 city, since this board operates under the auspices of  
6 the Navy, would there be any ongoing role between --  
7 the Navy and the city may have contractual disputes  
8 and what should happen and stuff, but at that point, I  
9 guess I wonder what role the RAB, as a RAB, would  
10 have.

11 CO-CHAIR SULLIVAN: All I can say is, it's  
12 kind of unknown at this point. We haven't reached  
13 that point.

14 The Navy retains, for those treatment  
15 systems that are going to operate in the future, the  
16 Navy retains responsibility.

17 MR. VAN WYE: But what authority would the  
18 RAB have to monitor the Navy's performance of its  
19 responsibilities? I mean, is that a function of the  
20 RAB? And if not, would that be a function of, really,

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1 Martha Walters, or San Francisco City Health  
2 Department advising the mayor that the City of San  
3 Francisco, the Navy is not doing its job?

4 MR. HANSEN: Jim, as an action item for the  
5 next time that you meet with your Navy peers, would  
6 you raise that question?

7 CO-CHAIR SULLIVAN: Well, I can tell you  
8 right now, it's not a question that's going to get  
9 answered until we get closer to transfer of the  
10 property.

11 MR. VAN WYE: Let me ask or rephrase it  
12 another way and approach the situation from a  
13 different standpoint:

14 Under the regulations that require RABs,  
15 what is the earliest possible time the RAB could go  
16 out of existence?

17 CO-CHAIR SULLIVAN: Well, I think there is  
18 actually, sort of turning that question around, there  
19 are cases in which if there is no public interest, you  
20 don't have to have a RAB. We don't have to make

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1 people come to a meeting.

2 So part of the criteria for establishing a  
3 RAB is some --

4 MR. VAN WYE: Public interest.

5 CO-CHAIR SULLIVAN: Some minimal,  
6 interest.

7 But if there is public interest, even if  
8 you're doing a cleanup, you might not have a RAB.

9 So there may be a point in which public  
10 interest wanes enough that maybe the RAB would no  
11 longer be self-sustaining.

12 MR. ONGERTH: As I said, when it gets down  
13 to five members, quit.

14 CO-CHAIR SULLIVAN: Or just meet once a  
15 quarter or once every six months, whatever.

16 MR. ONGERTH: When Dale quits coming then  
17 you can close it up.

18 CO-CHAIR SULLIVAN: But I don't think we  
19 will be coming to that kind of a decision point for  
20 another year or two at least.

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1 MR. VAN WYE: I don't think we are close  
2 that yet.

3 My own, just very rough hewn sense of it is,  
4 when the property is finally transferred over in fee  
5 simple, if you will, to the City and County of San  
6 Francisco, it would seem at that point the further  
7 usefulness of the Navy's RAB would be, you know,  
8 extremely diminished.

9 These are questions I think any institution  
10 or organization needs to think about. Periodically,  
11 what are you doing? Why are you doing it? Are you  
12 being effective? What are the circumstances for the  
13 cessation of business of the body?

14 I throw that out as a subject for  
15 discussion. I was unaware of what regulations were  
16 provided, if any, or what the practices were  
17 elsewhere.

18 CO-CHAIR SULLIVAN: Okay.

19 MR. VAN WYE: I would like people to think  
20 about that.

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1 MR. HANSEN: It's a good question.  
2 CO-CHAIR SULLIVAN: And just to point out on  
3 the addition of the two members, the community members  
4 are self-selecting. We don't influence the selection  
5 of new members. So that's something that's totally  
6 within the purview of the community members.

7 On the next page, upcoming documents, well,  
8 the only document we have out for review right now is  
9 Phase I-B, but then we will provide copies of the  
10 draft, no further action RAP for the technical  
11 subcommittee to look at between now and the interim  
12 meeting.

13 Upcoming agenda items, November. Well, we  
14 are getting into the last additional Site 12 data, so  
15 we will be able to make a presentation on the Site 12  
16 data at next month's meeting. So that would probably  
17 be our major item.

18 And then Pat, I think, had asked at the last  
19 meeting to have an update on groundwater monitoring.  
20 She said A to Z, so that's the way I put it down. I

1 think this might be a good opportunity to talk about  
2 the groundwater monitoring program, kind of get the  
3 big picture and talk about what we are doing for the  
4 IR sites, and what we are also doing for these  
5 miscellaneous fuel line and UST sites.

6 We haven't really had a major topic on the  
7 groundwater monitoring in, I think, a couple of years.

8 MR. HANSEN: That will be next meeting?

9 CO-CHAIR SULLIVAN: That will be next  
10 meeting.

11 And then I think the draft EIS will probably  
12 drop out. I don't think the document, I don't have  
13 the inside or word, but I don't think the document is  
14 going to be released for another month or two.

15 MR. HANSEN: Jim, recalling our interim  
16 meeting, I think we said that if the EIS is not ready  
17 in December, that we skip the December meeting?

18 CO-CHAIR SULLIVAN: Yes.

19 MS. SMITH: Right.

20 CO-CHAIR SULLIVAN: Actually, you took the

1 thought out of my head.

2 We wanted to say, as an option, right now,  
3 unless there is some really burning topics that need  
4 to be covered in December, we wanted to throw out the  
5 option of not having a December meeting. That's not  
6 something we necessarily have to decide tonight, but  
7 if there is a general --

8 MR. VAN WYE: Calendar wise, the December  
9 meeting would be what, the 15th?

10 CO-CHAIR SULLIVAN: It still doesn't come  
11 real close to Christmas. That's why we moved the  
12 meetings from the fourth Tuesday to the third Tuesday,  
13 but it still is the holiday period.

14 If we don't have burning topics that we  
15 really need to have a meeting on, then maybe it's good  
16 to have a month off.

17 Actually, a lot of the other RABs don't  
18 necessarily meet 12 months a year. We are one of the  
19 few that have met consistently 12 times a year.

20 So taking off one month really, effectively,

1 is not a big deal if the community members would like  
2 to.

3 MR. HANSEN: Could we get an indication of  
4 how the RAB members feel? Who feels a pressing need  
5 to have a meeting in December?

6 Who feels that we could let that go?

7 Indicate who feels we could let it go for December of  
8 1998.

9 Now, this will not be permanently for  
10 December. We may have a meeting in December of 2009.

11 So December of 1998, we can let it go?

12 MR. VAN WYE: I sense a consensus that  
13 December 15th is a day that we can all spend with our  
14 friends and neighbor.

15 CO-CHAIR SULLIVAN: And I talked to Pat a  
16 little bit about it, too, when she called me earlier,  
17 and if there is any business, we still potentially  
18 have the interim meeting on the first Wednesday of the  
19 month in December, which might still be a forum for  
20 any business to be done in December. So we wouldn't

1 be totally without a meeting in December.  
2 MR. VAN WYE: Richard, perhaps, do I have a  
3 sense that there is a tentative consensus that we  
4 don't have a December meeting, the final decision will  
5 be made at the November meeting?

6 MR. HANSEN: Well, the minutes have already  
7 indicated that the general consensus is that we do not  
8 have a meeting in December.

9 CO-CHAIR SULLIVAN: I will tell you what. I  
10 will just put down: No meeting in December unless  
11 needed.

12 MR. VAN WYE: Unless we change our mind in  
13 November.

14 Okay. That's good.

15 CO-CHAIR SULLIVAN: Yes.

16 MR. VAN WYE: That's the way to do it.

17 CO-CHAIR SULLIVAN: Okay. The next  
18 meetings, our next regular monthly meeting would be on  
19 the 17th of November, and then we would have no  
20 meeting on the 15th of December.

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1 The next interim meeting would be the 4th of  
2 November and Pat said that it could be at PG&E.

3 So unless there is any other offers, the  
4 Wednesday 4th, November meeting will be at Pacific Gas  
5 & Electric. We will send out a notice anyway.

6 MR. VAN WYE: Unless the building is in  
7 mourning if Prop 9 passes.

8 (Laughter.)

9 CO-CHAIR SULLIVAN: And then the next BRAC  
10 Cleanup Team meeting is Monday the 2nd of November at  
11 DTSC.

12 And then the Treasure Island Development  
13 Authority meeting is tomorrow at the Ferry Building.

14 So thank you very much. If there are some  
15 extra cookies and stuff, please take them on your way  
16 out.

17 (The meeting adjourned at 9:30 p.m.)

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