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NAVAL STATION TREASURE ISLAND

ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING

16 JUNE 1998

7:00 P.M.

CASA DE LA VISTA

TREASURE ISLAND

MEETING NO. 46

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TRANSCRIPT OF PROCEEDINGS

REPORTED BY: STEPHEN BALBONI, CSR NO. 7139

COMMUNITY MEMBERS:

KAVITHA RAO

JONATHAN BRENNAN

RICHARD HANSEN (Community Co-Chair)

PAUL HEHN

CLINTON LOFTMAN

HENRY ONGERTH

JACK W. SAVAGE

DALE SMITH

HARLAN VAN WYE

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ATTENDEES

U.S. NAVY:

JAMES B. SULLIVAN (BEC and Navy Co-Chair)

AMELIA DUQUE (EBS)

JOHN PFISTER (UST & FUEL LINES) (RPM)

TETRA TECH EM, INC.:

STACEY LUPTON

LYNNE SRINIVASAN (Uribe & Associates)

REBECCA SUGERMAN

JOANNA CANEPEI

GWEN CAVINESS

WAYNE MAYER

CINDI ROSE

REGULATORY AGENCY:

DAVID RIST (DTSC)

JAMES RICKS, JR. (US EPA)

MARTHA WALTERS (SFRA)

GUTIERREZ-PALMENBERG, INC. (GPI)

DARLENE ROBBINS

BARRY ROBBINS

CO-CHAIR SULLIVAN: Well, welcome to our June Restoration Advisory Board meeting.

It looks like we will continue to be in the Casa, at least in the foreseeable future. There is a possibility that locations may have to change from time to time, and we will work to let everyone know as soon as possible ahead of time. But I think you can count on coming out here in the future.

Our first item is the agenda. There are additional copies of the agenda on the back table, if you don't have any.

So is there any comments concerning tonight's agenda?

(No response.)

CO-CHAIR SULLIVAN: There being no comment, is there a move to approve the agenda as written?

CO-CHAIR HANSEN: So moved.

MR. HEHN: Second.

CO-CHAIR SULLIVAN: Okay. So the agenda is approved.

We will proceed to the next item, public comment. We set aside time at the beginning of each meeting. If there are members of the general public who wish to speak on matters concerning the cleanup, we afford them time at the beginning of the meeting.

I don't see any members of the general public here tonight, so we will proceed on to discussion of the May minutes.

Well, let me say right off the bat that I failed in my mission from last month. I must have read it wrong, read the minutes wrong. Instead of getting the minutes out a day early, I got them out a day later than last month. So most of you probably only received them a day or two or by E-mail yesterday.

So I would just go ahead and propose, unless anyone, unless there is a consensus to go ahead and review and approve them, I will just propose that we defer it until the next meeting to give everyone a longer opportunity to look at the draft minutes, plus

there is a few members not here tonight. Unless you want to go ahead and review and approve them or defer them.

MS. WALTERS: I think we should defer them.

CO-CHAIR SULLIVAN: Okay. So we will defer the 19 May meeting minutes to the July meeting.

I'm going to go ahead. We have Annemarie Conroy, the city's director of the Treasure Island project office, is going to stop in briefly to introduce herself. We are running a little ahead of schedule.

What I would like to do then is jump over the 7:15 item into the BRAC cleanup process and we will start that. When Ms. Conroy arrives, we will break and let her introduce herself.

So our first BRAC cleanup process item is the draft Zone 4 FOSL addendum.

Just to briefly bring you up-to-date where we were, we have written a draft final remedial investigation report.

And then we also developed an original Zone 4 FOSL back in the fall time frame.

However, as a result of comments that we had gotten from the RAB and the regulators on both the remedial investigation report and at the original FOSL, we completed the FOSL in November of '97, but we agreed to go ahead and make the occupancy contingent on the incorporation of additional grid sampling data, which we were conducting at the same time in the fall of '97.

So we completed the original Zone 4 FOSL, with the proviso that we would review the additional data that we were then collecting and assess that in an updated risk assessment for occupancy of the housing.

So we did collect the data. It's been validated. The members of the technical subcommittee received a data package of the validated data a few months ago.

And then our next step, as far as the

remedial investigation report, would be to incorporate that additional data into a draft final remedial investigation report for what we will probably start calling Operable Unit 12.

That remedial investigation report will probably not be available until the August time frame, but we have an opportunity to go ahead and update the FOSL with an updated risk assessment. So that's what we are doing now.

So today, we are releasing the draft Zone 4 FOSL addendum. We wanted to brief you on that document tonight. This will start a two-week comment period, and then we will incorporate the comments from the RAB and the regulators and complete the updated FOSL in the early July time frame.

So tonight we have a presentation on the update of the human health risk assessment based on the complete data. We have Gwen Caviness here to make the presentation.

MS. CAVINESS: Did everyone get these

handouts? If not, they are on the back table.

CO-CHAIR SULLIVAN: And anyone not here at the meeting will have copies of the handouts in the meeting minutes from this meeting.

MS. CAVINESS: I will go ahead and start.

As Jim indicated, this updated human health risk assessment incorporates the data from both the original RI as well as the data we collected from the additional Site 12 characterization effort.

The objective of the human health risk assessment is to evaluate if current site conditions at Site 12 are protective of human health for purposes of long term residential land use.

The methodology that we applied in human health risk assessment is consistent with that in the original draft and draft final RI.

I understand that Sophia Urta (phonetic) and Christina Goddard presented a workshop here on that methodology. But I also understand it's been a really long time, so I haven't included a lot of information

or detail on methodology. But if there are lingering questions or people want to do a follow-up, we can talk about doing that at another time.

But the human health risk assessment, as in RI, follows four basic steps of the risk assessment: We review data collection and the evaluation phase, exposure assessment toxicity assessment, and characterize risk.

In the data collection and evaluation phase, we took, as I said before, the original RI data. We combined that with the data collection during additional Site 12 characterization.

We used both of those data sets to select our COPCs, or define the COPCs, as chemicals of potential concern for the human health risk assessment.

As you probably remember, the objective of the Site 12, the original RI, was to investigate potential contamination in suspected source areas.

The suspected source areas included a former

debris disposal area, ammunition bunker areas, waste incineration and UST.

A total of 63 total samples, soil samples were collected during that effort. Those included 21 surface soil samples, and there was a full suite of analysis. Analysis included metals, VOCs, SVOCs, TPH, explosives, dioxins and pesticides.

During the additional Site 12 characterization, the objective was to obtain information about areas outside of the suspected source areas, and, therefore, not investigated in the original RI.

There was a larger sampling effort, including 112 soil samples. 56 of those were surface samples. All samples were collected on a grid, 200 feet by 200 feet.

Analysis was performed for metals, VOCs, SVOCs and TPH.

As I indicated before, in selecting the chemicals of potential concern, we combined two data

sets from the original RI, as well as the additional site characterization, and compared those to ambient levels.

As most of you probably recall, ambient levels were established to try to discriminate or distinguish between what was naturally occurring or prior to or unrelated to site activities, those from site related activities.

In the end of that comparison, we ended up with our chemicals of potential concern. Those included metals that we think are site related, VOCs, SVOCs, pesticides and dioxins.

And then in the second phase of human health risk assessment, we identified the most likely exposed receptor. In this case it would be a resident based on the current use and then the expected future use.

The complete exposure pathways that were identified include the ingestion of soil, dermal contact with soil, inhalation of particulates from soil, inhalation of VOCs released from the soil to

air, ingestion of home-grown produce, and a complete exposure pathway for groundwater, which was identified as inhalation of VOCs released from groundwater to air.

Based on this exposure information, we developed exposure point concentrations. The definition of that would be contaminant concentrations at the point of contact with the receptor or the resident.

We developed exposure point concentrations for both soil and air.

We developed those exposure point concentrations using data from the entire site, and this was consistent with what was done in the original RI.

However, to make sure that we didn't miss anything, and we didn't artificially reduce the concentration by averaging it over the entire site, we conducted a hot spot analysis. That hot spot analysis consisted of evaluating special distribution of

contamination to make sure there was any hot spots in a particular area, or contamination in significant concentrations.

And it also included a comparison to residential PRGs. I will discuss this in more detail as well.

The exposure point concentrations are used in conjunction with the exposure parameters to develop an intake or dose. That intake is used with the toxicity values to characterize risk.

I'm sure most of you are familiar with these definitions of cancer risks: Cancer risk is the probability or likelihood of an individual getting cancer under the defined exposure conditions.

A hazard quotient is a ratio of the site concentration to the estimated safe dose for a human. That's the way we evaluate noncarcinogenic effects.

MR. ONGERTH: Is the defined exposure period a lifetime, seven years?

MS. CAVINESS: Seven years, over a seven

year lifetime of getting cancer.

The results of the updated human health risk assessment, I will show the numbers in a minute. This is a summary.

All of the cancer risks are within the EPA's target risk range: 1 in 10,000 to 1 in 1 million.

Hazard indices are less than the threshold value of 1.

And here are the numbers. This is for two foot below ground surface, which is considered the more relevant exposure for a housing unit that is currently in place.

I also have evaluated zero to maximum depth interval, too, so you can see both of those numbers.

For 0 to 2, the original RI data indicated was 4 times 10 minus 5. With the addition of the set of 12 additional characterization data, the risk is now 5 times 10 minus 5. So the risks really haven't changed very much.

The hazard indices is below 1, significantly

below 1.

And then this is for the zero to maximum depth interval, again, evaluating for a residential scenario. Original is 4 times 10 to minus 4.

Now with the new data, it's 7 times 10 to the minus 5, target risk range

Hazard indices is also below 1

MR. ONGERTH: Why did that, the hazard indices drop so much in comparison to the cancer risk?

MS. CAVINESS: Why is there such a big difference between the original RI data and the updated data for the hazard index?

MR. ONGERTH: Yes.

MS. CAVINESS: Primarily because antimony was the driver in the original risk assessment that was conducted, and to collect more samples, the average concentration actually went down. Whereas, before, the average concentration was higher.

So, statistically, the more data we have, the more we can be sure the average concentra

representative. And in this particular instance, the concentration went down.

MR. ONGERTH: Thank you.

MS. CAVINESS: You're welcome.

Did you want to interrupt?

CO-CHAIR SULLIVAN: I would like to introduce Annemarie Conroy, who is the executive director of the Treasure Island Development Authority project. I must have the title right because this is on the business card.

MS. CONROY: It's a mouthful, that's for sure.

I was happy to be here tonight.

Actually, we had our budget today at the finance committee. I spent about three years on the San Francisco Board of Supervisors, so it was kind of interesting being on the other side of the finance committee actually defending our budget and why we needed the money that we needed.

But we did fine. We got everything that we

needed, so there is a big sigh of relief this evening.

Martha and Jim asked me to come and say hello to the group this evening, and just to make our offices available to you if you ever need anything from us. We have a very open door policy.

We are very happy to have Martha on board. She's just been wonderful. Jim has been terrific in helping us with the cleanup issues for the Treasure Island housing.

As many of you know, the Treasure Island housing was not boarded up or laid up properly because the city had asked, "Please don't do that because we would like to put that to a productive use as soon as we can." With the weather on Treasure Island, things deteriorate your quickly. That's why we are trying to move very quickly on the issue of the Treasure Island housing because of the rehabilitation costs that go up exponentially with every several months that we wait, especially in the summers of San Francisco. As we all know, it doesn't do wonders for one's home out here on

Treasure Island, and the buildings out here.

So do you have any questions of me? Martha just asked that I stop by, and Jim asked that I stop by to come and meet everybody. Any questions that you have, I would be happy to entertain them.

MR. HEHN: A quick question: In looking at the long term redevelopment for Treasure Island, where are we at in that process, how the city is progressing along that, outside of the housing issues, and what's our time frame we are looking at right now so that we know that in relationship to the environmental cleanup?

MS. CONROY: We believe that, well, we have a draft of the RFQ for master developer. That will help us determine what the market is out there for a master developer to come into Treasure Island and Yerba Buena Island and really take a long hard look at not only the environmental issues, but seawall issues, seismic issues, political issues, the Tidal Trust issue, and what really can we do with Treasure Island?

If you take the large picture of Treasure Island and Yerba Buena Island and start to look at the reuse plan, and you take the 32 acres out that Job Corps has, and you take the acres that the Coast Guard has, and now we have CalTrans with what they are going to do with Yerba Buena Island, we will probably take the eastern portion of Yerba Buena Island out of play for us for probably the next five to ten years.

So in looking at the reuse plan and what we can do to develop the island and productive revenue streams so that it's not a drain on the general fund, we have a lot of work ahead of us to attract a master developer.

So I can't give you a definite answer because I am a new director. I have been here ten weeks now. In just trying to juggle all these different issues, it has really been one of the biggest challenges I have faced in any job that I have ever had. So I think maybe in the next couple of months, I will probably have a better answer for you.

But in looking at the big picture of Treasure Isla: : ·d Yerba Buena Island, you have to take Tiedye into account, and what's in their agreement; and then you have to take into account the Treasure Island school, the brig, the police academy, all those different buildings going to public purposes, however not generating any income for the project.

We have a limited amount of money that we get as a cooperative agreement grant from the federal government. That will run out eventually. The rest is up to us to produce as a revenue stream in that interim period.

So we do want to move toward the master developer in trying to get productive interim uses going as quickly as possible.

That's a long answer to your question, but there is so many different pieces at play, that I have yet to master how we are really going to make this happen.

Reading the press, I have the idea that the uses of, ultimate uses of TI and YBI are highly politicized. You have already made a comment on that before I finished the question.

Will you continue to comment on the matter?

MS. CONROY: About the reuses being politicized?

MR. ONGERTH: The fact that it may be, if not, actually is a highly politicized matter.

MS. CONROY: Actually, Proposition K is very interesting in that it's advisory only.

The reason that we were working so hard to defeat Proposition K is because it goes back to your question: How does one go about attracting a master developer to come in and grapple with the big issues we know are on Treasure Island, plus adding this whole political layer to it.

It may just make people stand off like this as a master developer, because your cost of capital is going to be higher because it will look riskier. What

MR. SAVAGE: I have a question.

The last meeting, we had a nice presentation about wetlands. Can you comment on the future of wetlands?

MS. CONROY: We are considering wetlands in the reuse plan. That's as far as I have gotten into the wetlands issue, to be very honest with you. That was brought up at the Treasure Island Development Authority meeting.

Again, the answer to the individuals asking about wetlands, they are being considered. I do know there is money from the airport, that they need to spend money around the Bay Area to provide wetlands as part of their project.

MR. SAVAGE: Thank you.

MR. ONGERTH: Reading the San Francisco press, I have --

MS. CONROY: Now, you can't always believe what you read.

MR. ONGERTH: Let me finish, please.

if there is a taxpayer suit saying you can't develop? We voted "no" on the Treasure Island Development Authority. It undermines the viability of the Treasure Island Development Authority, and that was what it was intended to do

Prop K, again, is advisory only, and we will have the city attorney tomorrow at the Treasure Island Development Authority giving us a presentation on the effects of Proposition K from a legal standpoint

I think this will continue to be politicized. I think Quentin Kopp and Clint Reilly will continue to politicize the issue regardless of the facts of the situation.

All leases under any redevelopment agency in the State of California, the Treasure Island Development Authority has to follow all of those rules, all of the conflict of interest rules. All of those things that they were saying somehow didn't apply to the Treasure Island Development Authority.

So all of those things still apply

regardless of whether Quentin and Clint did what they did on the ballot. We will proceed with the Treasure Island Development Authority in place. That's what the mayor said, and that's what I believe will happen, that we will continue down the road that we have set.

And I think the senator knows, of all people, that a policy measure on a local election cannot repeal state law. So what he was trying to do was repeal AB699, which created the Development Authority, and that can't be accomplished through a policy measure at the local level.

So, again, we will continue to have -- because the press loves it. Robin Morris loves it -- we also have the thing about the school. Somehow we are the big ogres making them stay within the confines of the school, which is not true. But Rob decided to write the story that way because it was more interesting that way, and, I guess, he is not held to the same standard as having really balanced journalism.

responded, so from there, we will move into more development negotiations.

MR. VAN WYE: Now, the selection of one of the three bidders will be by the Development Authority?

MS. CONROY: The selection committee and then the input of the Treasure Island Development Authority.

MR. VAN WYE: There is nothing on tomorrow's meeting on that?

MS. CONROY: No. It will be on the July meeting.

MR. VAN WYE: Thanks.

CO-CHAIR HANSEN: Your point about the need to get people into the housing as soon as you can so they don't deteriorate, and, certainly, it will and is occurring very rapidly, can you respond to the consortium of universities who wish to use the housing by the start of the fall semester? That's question number one.

So I am certain that we will continue to see these things. We just have to keep our eye on the goal. And march through and not get sidetracked into these pocket issues.

So that's the fact that I'm taking, is to just keep moving forward so that we can go through the conveyance process with the Navy, turn this property over to San Francisco, and then let's get going.

Does that answer your question? It will continue to be political.

MR. ONGERTH: Anything you would have said would have answered my question.

(Laughter.)

MR. VAN WYE: The RFP for the marina, what is the status of that, and when can we expect to have something concrete start happening at the marina?

MS. CONROY: We have a selection committee looking at the different proposals.

In the July meeting, we will have a half hour presentation by each of the three bidders that

And will you do that before you get the master developer selected on board?

MS. CONROY: The university consortium is attractive because it's students, and they are transient, so they don't root.

With a master developer coming in, that's the kind of population you would actually prefer, because if the master developer comes in and says, "We are starting on that end of the island, everybody out," students are much more transient, so that you are not uprooting somebody who is rooted into a home or an apartment here on Treasure Island. So that's part of the attraction.

The other attraction, of course, is that the universities want to stay competitive with other universities throughout the country, and they need a good block of student housing for the universities of San Francisco.

So, yes, we are still in negotiations with them.

Issues with the university, of course, are transportation. The bus only comes once an hour and doesn't run on weekends.

And connecting the line from Muni during the weekends will be extremely expensive.

And then you get into the issue of, will the rents be able to pay the increase in Muni, and then we get into a numbers game.

So we are trying to look at a tenant population mix that includes university housing at a reasonable rent, and also a voice of making a gift of public funds by appearing to subsidize students.

So it's a balancing game that we are doing right now. We will be in closed session with the Treasure Island Development Authority to go over exactly those issues.

How do we set the rents? How many students? Will there be city housing? Where does Tiedye fit in? Those are major policy decisions for the Treasure Island Development Authority directors. That's what

they will be presented with tomorrow in closed section, is giving direction to me, as executive director, to go forward with the John Stewart Company, with our policy, what kind of housing and what kind of tenant mix we would like to see and how that will pay for itself.

The deal itself, the management agreement has to pay for itself and generate enough revenue to pay for the police, the fire, and all the other services that you need to provide once you open up the housing.

CO-CHAIR HANSEN: And John Stewart has been selected?

MS. CONROY: Yes. We have been in ongoing negotiations with them. They will provide the capital to do the rehabilitation costs. We have been doing our due diligence with them.

We hope, once we do have the tenant mix and the market analysis done, that once we figure that part of the deal out, that we will be able to move

right into documents and be able to get the housing on line as soon as possible.

And this group, I know, has played a part in that in helping us to use the Navy along into getting the cleanup done in Site 12. So we thank all of you for that.

MS. SMITH: Are the RFPs available to the public and, if so, how do you get copies of them?

MS. CONROY: The document that went out to the public?

MS. SMITH: No.

MS. CONROY: The responses.

MS. SMITH: Yes.

MS. CONROY: The responses will not be public until the group is chosen.

MS. SMITH: And then will all three?

MS. CONROY: They will all be public.

MS. SMITH: And will there be notification of this body when that occurs?

MS. CONROY: Right. When the developer is

chosen, then that's public knowledge that it's chosen and anybody who wants to see the responses, they can see them.

The reason for that, you don't want the other team to know what somebody else has proposed. So it's from a negotiating standpoint that they are competing against each other.

So letting the public know means letting the other groups know what they are offering. So after it's chosen, then it's public as to what everybody offered in their proposals.

Anyone else?

MR. HEHN: Two other questions.

MS. CONROY: Okay.

MR. HEHN: On the leasing of the Site 12 housing, you mentioned that you're looking at that as being a student only population with a transitory nature of those.

MS. CONROY: Well, it's not student only. It's a mix.

MR. HEHN: Okay.

MS. CONROY: The student population will probably be about 200 students -- 200 units, excuse me.

MR. HEHN: And that will be staff, university staff, professors, that kind of stuff?

MS. CONROY: That includes professors, students and staff at the different universities.

It's up to the university to tell us what population they would like to have served by the housing.

MR. HEHN: Will that change the idea of how transitory those particular people are, because, obviously, university professors are less likely to move on after a year or two than the general population.

MS. CONROY: That's up to the universities to decide what tenant population they wanted to put in there.

If we do 200 student housing, we will still

have other market rate housing. We will have other city employees who will have a percentage.

So they are not exactly transitory, but there was an attractiveness to the transitory nature of the student population

MR. HEHN: The second question was, one of the biggest challenges and goals, I think, that we as RAB members and community members have, is in making sure that the reviews, the ideas, the questions, the concerns that we have for redevelopment of Treasure Island and YBI are understood fully in the redevelopment efforts for both of those islands.

How would you suggest that we best make sure that those particular issues, concerns, plans, whatever, ideas, get to both yourself and to the redevelopment authority?

MS. CONROY: Well, there could be many conduits to get to me, to the Development Authority.

One is Martha who is here, and part of your organization here represented.

Jim is another one. We do have Navy-city meetings and talk about these different issues.

So that's talking to me when you talk to Martha, and her counterpart in the Navy, you're talking to the Navy. So that's one way of talking to us.

Another way is for me to come and visit on a fairly regular basis, so I can hear what the issues are with what people want discussed.

Another is having a representative come to the Treasure Island Development Authority meetings. They are open to the public. Anyone can comment.

In the whole redevelopment scheme for Treasure Island, despite what was said during the Prop K campaign, the redevelopment agency of Treasure Island Development Authority will adopt a redevelopment plan. There will be plenty of public interest.

We still have the EIR process to finish.

And then we go to the redevelopment plan all

having lots and lots and lots of public input.

So there is still plenty of time to make everyone's wishes known, concerns known, and have those dealt with. So there is plenty of time, if that's what you're worried about that is moving too quickly.

The EIR/EIS needs to be done. Then the redevelopment plan, and then that plan goes to the San Francisco Board of Supervisors. They have to make legal findings that it's consistent with the city's master plan, which calls for the open space, recreational areas, density controls, height controls, those kinds of things.

MR. HEHN: I'm not concerned that it's moving too fast.

Rather that, in any future redevelopment, ideas, plans, thoughts, whatever, that the reality of the environmental concerns that might be in a particular parcel are well aware and addressed by the authority.

MS. CONROY: Well, there are, again, many conduits to make those assurances.

So if there are times when you feel that this group is not being heard, our offices are open to hearing any issues that you have, the planning department is as well, for the EIR/EIS, Martha is here, Jim is here, I'm here, Development Authority is open to the public.

So there are many ways to make your issues known and have them addressed.

MR. HEHN: Thank you.

MR. VAN WYE: Annemarie, just to clarify, the presentation on three marina proposals at the July meeting, those will be public sessions?

MS. CONROY: I think at that time, everything will be public.

MR. VAN WYE: I see. Okay. Thanks.

MS. CONROY: Okay.

CO-CHAIR SULLIVAN: Well, thank you very much for coming out tonight.

MS. CONROY: Okay.

CO-CHAIR SULLIVAN: And have time to answer questions.

MS. CONROY: I will come back again and visit.

(Applause

MS. CAVINESS: The risk assessment results, zero to max.

CO-CHAIR SULLIVAN: I think we just answered the question, why there was a change in the risk from the original RI to the updated RI data, based on having a larger sample set

MS. CAVINESS: So the risk here, then, with the new data, 7 times 10 to the minus 5, target risk range

And although the expectation is that the land will be used for residential purposes, given the housing units and the reuse plan, because it's possible that land use will change in the future, we also evaluated the recreational use scenario and

commercial industrial scenario. And all uses were 1 times 10 to the minus 5 with target risk range.

And hazard index below 1 again.

We also evaluated for the zero to max. Assuming that if the latest changes from residential use to some other purpose or use, there will be some mix associated with construction activities. So we looked at the zero to max number depth interval just in case there is some sort of construction during that activity.

And as I indicated before, just to make sure that we didn't miss anything by averaging concentrations over the entire site, and to artificially reduce those concentrations, I performed a hot spot analysis.

What I did find was one location, 12-HP173, at a depth of one foot, we had some relatively high concentrations of carcinogenic TPHs. And each of these concentrations, when compared to the residential PRGs, exceeds those residential PRGs.

So I did a screening level analysis to make sure that at that one location, even though it's incredibly conservative to look at maximum concentrations and assume the worst case exposure, if it fell within the target risk range, which it did, we would expect that there wouldn't be a problem even at that specific location

So given this information, given this was the hottest location, the risks were in the target risk range, it wasn't really necessary to go in and subdivide the areas into smaller units We could be fairly certain we would have artificially reduced concentrations by averaging the entire site.

MR. ONGERTH: In relation to this hot spot matter, you have a sampling grid.

What are the dimensions of the single grid unit?

MS. CAVINESS: 200 by 200 feet.

MR. ONGERTH: Roughly, it's an acre then? Thank you

MS. CAVINESS: And lead is not evaluated by calculating a cancer risk for biohazard index

So we did a lead evaluation that was consistent with what we've done in SSEBS. We targeted lead concentrations, using the DTSC blood lead model. Two numbers were developed based on that model. One assumed that there was ingestion of produce.

In all cases, these numbers considered the most sensitive population. So what we are talking about is children, typically ages zero to 6. The objective or at least the target, Center for Disease Control, a child should have less than -- optimally none -- but less than 10 micrograms per deciliter in whole blood of lead in their system.

So each of these numbers were calculated to make sure that the number must be below that number in order to make sure that there was no adverse effects associated with lead.

There were two numbers, and the model enables you to evaluate whether someone would be

exposed to lead from produce ingestion. It's strange. The model assumes that a person, specifically a child, would be ingesting home-grown produce both from their own garden and from some external surface, external supply, of course, that contains lead. So both of those things contain lead.

It assumes that a child or person is ingesting 2.2 kilograms, which is the equivalent of 4 pounds per day of home-grown produce.

So these two numbers are that different because of that assumption

So the 216 is calculated assuming that there is exposure of produce from ingestion, and 463 is calculated assuming there is no home-grown produce exposure from lead. And 130 milligrams per kilogram, a preliminary remediation goal. It's a comparison basis.

When we recalculate the lead concentration using the additional data, once again, we have the larger data set.

This 97 milligrams per kilogram is what we compare that's representative of our site condition and as you can see, it's well below all of the target lead concentrations. So we can be pretty sure that there are no adverse effects associated with exposure to lead at Site 12.

Also, based on the request from DTSC, during the additional Site 12 characterization, the Navy took two more samples between two areas where people really didn't know that much about concentrations. There were two sort of outliers that weren't consistent with the average concentrations.

So two confirmation samplings taken between those to make sure that we adequately characterized the lead and the contamination there, and the concentration went down on the order of 92.

So the outliers of 578 and 774 were 32.6 and 29.9 milligrams per kilogram.

Once again, we can be more certain and more comfortable that the two higher numbers don't

represent what is potentially out there.

So based on all this information and the objectives of the human health risk assessment, we are concluding, based on the preliminary assessment, that current conditions at Site 12 are protective of human health for purposes of long term residential land use.

That's it

Does anybody have any questions?

MR. HEHN: A couple of questions.

In your selection of the COPCs, what happens if your ambient levels, your concentration of concerns are not truly representative of the ambient but rather are selectively more indicative of a study in an impacted area?

Does that change the overall selection of the COPCs and the risk assessment if the ambient levels are uncharacteristically high?

MS. CAVINESS: Typically, when we evaluate ambient, there were site specific ambient levels that were derived. The site concentrations are then

compared to those numbers. Those numbers are derived using a statistical analysis.

So there would be a particular range that one would consider to be background, and then something that was an outlier, significantly higher or lower, probably associated with some sort of contamination at the site. So the concentrations for it, I plotted to see if there was sort of a uniform distribution of contamination.

And then they identified, they actually conservatively identified the 95th percentile, so instead of assuming the maximum of that range, just to be conservative, they moved it back.

And then the project team looked at the data and considered whether there were really still some outliers, and if there were outliers, whether any reason from the information about the historical uses at the site to think that there was contamination, or as I think you were indicating, there was some co-contamination, or if it was somehow associated with

One could see that the concentration actually fell along a gradient that would allow a 10 percent screen, without screening out any of those outliers, or representing co-contamination or some other source.

I don't think I did a good job of explaining.

MR. HEHN: Maybe I'm getting confused as to the 10 percent screen.

In the original risk, I believe that they looked at those, if I could call this, there was a consideration of whether or not there was a 10 percent -- well, whether there was an abnormal concentration if they did not exceed the 10 percent concentration, or 10 percent of the entire population that they sampled, then those were screened out as being not valid?

MS. CAVINESS: Right.

MR. HEHN: Is that the same thing you're talking about?

the source. That information would be taken into consideration as well.

They applied a 10 percent screen on top of that, because, for the most part at Treasure Island, there are very few metals that are considered to be related to site activities.

So the 10 percent screen allows you to handle a wider range and still enable you to look at the data and make sure that there was no peeks or hits that were really high.

MR. HEHN: Can you explain the 10 percent screen?

MS. CAVINESS: Certainly.

It's based on the distribution of the ambient. There is anywhere from a 5 percent or 10 percent.

The 10 percent was determined by the project team to be appropriate, if one looked at the range of concentrations at a site, and looked at the actual distribution of those contaminants or metals.

MS. CAVINESS: Right.

MR. HEHN: Okay. In doing that screening and coming up with a basic ambient concentration and risk, is there any way to say that the 10 percent that gets screened out, because it doesn't fall within the normal distribution, are not localized hot spots?

MS. CAVINESS: Well, typically, what was done when you're actually defining the 10 percent, is to make sure that it didn't fall, that the contamination didn't fall out what we would consider to be normal regional numbers.

Or there is certain concentrations that one can perceive to be related to specific site activities.

So we went back and did literature searches. We looked to see what you would expect. For example, arsenic is applied as a pesticide, and there is certain concentrations when it's applied as a pesticide. So there were a number of processes.

The other thing, too, is that when we went

back and looked at that 10 percent, if there was a concentration that well exceeded what would be expected to be that distribution, then we considered that to be ambient -- I'm sorry. We considered that to be a COPC. It's hard to explain those outliers.

MR. HEHN: I guess what I would like to find out, David, does DTSC feel comfortable with the results that you got from this risk from Site 12?

I'm not a risk person. All I can bring out is some of the issues that came up during the Phase II work, as far as the ambient concentrations.

I know DTSC had a comment about those particular concerns as well. I wonder if those have been resolved.

MR. RIST: They have been resolved.

MR. HEHN: They have been resolved to your satisfaction?

MR. RIST: Yes, for the most part.

There are some comments that are still outstanding. We want to see the responses. We will

see how they respond.

It's been pretty much agreed to that that's the approach and it's an acceptable approach.

MR. HEHN: Okay. Thank you.

One other quick question.

In looking at the lead evaluation, were there only two hot spots that were evaluated? Were there not more hot spots or concentrations that exceeded the PRGs in their overall lead evaluation of Site 12?

MS. CAVINESS: Yes. There were, as I indicated, the lead evaluation for the purposes of this human health risk assessment were conducted using only the RI data, and the additional Site 12 characterization data.

And in the form, the SSEBS, there was also some EWC data, and some sporadic hits attributed to paint chips, and there was nothing in the general vicinity that indicated that that was representative of contamination.

But the 774 is actually the maximum that we are seeing in that zero to 2 foot depth interval, and there was another about 1400, I believe, in the zero to max. So greater than two feet.

So there is a couple of other sporadic ones, but they are definitely offset by the overall average, which is 97.

MR. HEHN: Okay.

MS. CAVINESS: Any other questions? Okay. Thanks.

CO-CHAIR SULLIVAN: So we will be forwarding a copy of the updated finding of suitability to lease for Site 12 to the RAB technical subcommittee members and the regulators and the city.

As you know, the RAB has a standing technical subcommittee currently consisting of six of the community RAB members. We automatically send out all documents that we send to the regulators to the community members on the technical subcommittee.

But, as always, if anyone else would like

copies of the documents, any RAB member is free to have copies of any of the documents. But we just automatically send them to the technical subcommittee.

One additional point is that this updated FOSL -- the original FOSL evaluated the entire Site 12 area -- this additional FOSL evaluated the area. However, those of you who ask to review a copy of the updated FOSL will note that we added a drawing that shows an area that we have excluded from the initial lease. The reason being, we are conducting some additional TPH data sampling.

And, also, in a rubbish area on the west side, we are taking some additional dioxin samples to increase our data set. Although the dioxin results that we have gotten in a few locations are still screened out for human health risk assessment, at the recommendation of the city and the regulators, we are taking some additional samples to increase the size of that data set.

We are also going out and taking some

confirmatory samples in a few other spots on the site where an EPA photo analysis had indicated that rubbish or debris piles may have existed for some periods of time in the past. These weren't disposal areas, but they were spots, a few spots that were noted in photographs that the debris might have been present for some period of time, but for a briefer time than in the areas that were designated for rubbish disposal.

So the end result is that we have excluded these areas, and then we are increasing our data set of TPH and dioxin in those areas. And then we will make an evaluation as to whether any further action needs to be taken.

One of the provisos of the housing leasing is that even in areas where human health risk may be screened out, it's ecological health risk that requires that we may need to take some action for possibly groundwater or soil. We would not want to have to displace residents in those areas. So some

areas are being excluded now just for the reason of wanting to complete the additional investigation and determine whether we might have to take some actions for ecological risk.

MR. RICKS: Jim, could you clarify for me and maybe anybody else, the turnaround time for this, the review period is two weeks (indicating)?

CO-CHAIR SULLIVAN: Yes.

We will get copies out by tomorrow. We are asking for, we will fax and send a letter out to give the exact date, but we are asking for a two-week turnaround time. That will take us just into the next RAB interim meeting, which should be on the 1st of July. So the comment period would close out during that week, and then we would have a two-week period to respond to the comments.

So the intent is to finalize the updated FOSL in the early July time frame.

And then we would also be available, and I somewhat expect that maybe the community members would

like to see more of us out at the 1st of July interim meeting where we will be available to have additional discussions, especially for those RAB members who might not have been here tonight.

MR. HEHN: Will any of the field data or the results of the additional investigation be available at that time at the interim meeting?

CO-CHAIR SULLIVAN: Well, the data -- well, we are in danger of confusing everybody on the sampling.

We have been calling the data that we collected in the fall of '97, the additional sampling. But now we are going to be collecting some additional samples in these areas that we are excluding from the immediate lease.

That data, the work plan for that document, and I think those of you who might have been at the interim meeting a couple of weeks ago, I sent Pat a copy of the schedule to pass out at that meeting, but the draft work plan for that, for that additional

sampling, or whatever we choose to call it, would about three weeks from now, I think around the 6th of July.

The actual field work would take place later in the summer, but the intent is to have the validated data set back by the end of the summer. Then that would allow us to make a decision on those areas that we have excluded from the immediate lease.

MR. HEHN: But the report on the sampling done last fall in what, November, October, November, I believe?

CO-CHAIR SULLIVAN: Right.

MR. HEHN: That's not going to be available until July or August?

CO-CHAIR SULLIVAN: That will be incorporated into the draft final RI for Site 12, which our current schedule, it was even going to be a topic of our next RAB meeting, was to go over all the schedules for the RI and the CAP documents. It wouldn't be available [illegible] about the August time

frame.

But what we have done is taken that data set and incorporated that into this updated health risk assessment. So what we have done is extracted the updated health risk assessment from that draft final RI for Site 12.

MR. HEHN: I think that several meetings ago, there was going to be a map prepared that plotted the results of the additional sampling that was done after all the samples were validated, et cetera.

Did we ever get that accomplished or completed? Or is it something that's in a preliminary stage that, as we review the FOSL, we could see the sample results?

CO-CHAIR SULLIVAN: Yes, that's basically it. You took the words out of my mouth.

We are in the process of plotting for the purposes of preparing the draft RI, but I know that you and Pat and some others have inquired about overlay maps.

I think that's something that we can still provide during the course of this updated FOSL. We didn't have them available for tonight.

MR. HEHN: Just in order to try to evaluate that, it would be helpful.

CO-CHAIR SULLIVAN: Yes.

Any other comments?

CO-CHAIR HANSEN: Any areas that you're concerned about in Site 12, is it two or three or six?

CO-CHAIR SULLIVAN: There is two areas, and we have a map that goes along with the updated FOSL. There is two areas, one of them on the west side here (indicating), and another one in this area here (indicating), that we are excluding from the immediate lease until we complete this additional investigation. So it's two contiguous areas.

And then the remaining area would be available for lease based on the results of this updated health risk assessment that we presented tonight.

Did that answer your question?

CO-CHAIR HANSEN: How many housing units a in each of those areas, Area A and Area B, does that exclude five houses, ten houses?

CO-CHAIR SULLIVAN: I counted. There is 129 buildings in the two areas that we would exclude, so an average of about six units per building. Wait. 29 buildings. I'm sorry. There is a total of 147 buildings on the entire housing site averaging six units per building.

We would be excluding 29 of them from immediate lease and that would represent approximately 180 units leaving approximately 700 for lease.

So the document is available, well, it will be available. It will be sent to the RAB technical subcommittee, the city and the regulators. Anyone, any other RAB member is welcome to request a copy of the document.

Our next item is another document that we released, and that's the draft offshore remedial

investigation report. We had a presentation at the May meeting, kind of a preview discussing the methodology that went into collecting the data and preparing the report.

At the time of our last meeting, we were within about two weeks of releasing the report, so we were still working with data. But the document was released about the 1st of June. Members of the technical subcommittee did receive a copy, but, as always, any other RAB members who would like to receive a copy, the document is in two volumes: One volume of basically text and drawings, and then a volume 2 of the appendices containing the detailed data.

So the RAB technical subcommittee has this now. If there are any other community members who would like a copy of one or both volumes, you're certainly welcome.

In fact, I think one or two additional RAB members -- I know that Harlan asked and received a

copy.

So tonight we wanted to continue with, now that the document has been released, a discussion of the data. So now we are in the second week of the comment period for this document, which, for a draft document such as this, there is ordinarily a 60-day comment period. We try to adjust the document period a little bit to match the RAB meetings, and I think we adjusted it to match the week of an interim RAB meeting. So I think we are calling the due date for comments, I think it's the 7th of August.

So tonight we are here to talk about the data. We have Joanna Canepa and then Cindi Rose, who made the presentation last month.

Joanna will be talking about the identification of the chemicals of concern. That's step one.

And then Cindi will be providing the brief on the risk characterization based on those chemicals of concern that were identified.

There were copies of the handout on the back table, if you haven't received one.

MS. CANEPA: And there are figures you might want to follow along in that handout.

So there were three sampling events that were included in the offshore investigations for Treasure Island, the first of which occurred in 1992. There was a Phase I, remedial investigation sampling at storm water outfall locations. That included this data collection of sediment and storm water samples.

The second sampling event was in 1996. There was an investigation of the Clipper Cove skeet range. That included this collection of sediment, porewater, surface water and conducting invertebrate bioassays.

The most recent sampling events occurred last year, 1997, the Phase II remedial investigation sampling event. This looked at Areas A, B, C, D, E and G. It included the collection of sediment, porewater and conducting invertebrate bioassays.

This here is Area A, this is Area B, this is area C -- you have a copy of this map in your handouts -- this is Area D, this is Area E, and this right here is Area G.

There was an attempt to collect samples at Area F, which is right here (indicating). However, eight attempts were made to collect sediment at that location and only rocky debris was recovered. There was no sediment at that site. There is a picture of what was retrieved in those samples in your handout.

The assessment endpoints for the risk assessment included near-shore benthic invertebrates; benthic-feeding birds, represented by the willet; piscivorous birds, represented by the double-crested cormorant; and carnivorous birds, represented by the peregrine falcon.

So the techniques we employed for measuring impacts to these assessment endpoints included a chemical characterization of both sediment and porewater, and conducting toxicity tests. Three

bioassays were conducted. One using an amphipod shrimp-like organism; another using a polychaete worm, and the third one was using the purple sea urchin.

So site chemical concentrations were screened to determine chemicals of potential ecological concern, or COPEC.

Factors considered in COPEC determination were comparison of site concentration, ambient chemical concentrations with San Francisco Bay, which are available for a number of chemicals. For those that are not available, we collected reference site samples at a reference location in Paradise Cove near Tiburon.

We also considered chemicals that potentially caused toxicity. We compared site concentrations with effects range levels -- effects range low, effects range median, which are also known as ERLs and ERMs -- and ambient water quality criteria.

The third factor we considered was

bioaccumulation potential. This figure shows the detected concentrations of total TPH from the skeet range sampling event. On the X axis here, there is the sample location. And on the Y, we have the total PAH concentratuon.

These reference lines here are screening values (indicating). This is effects range median, this is the ambient for San Francisco Bay, and this is the effects range low.

You can see here that all of the detected concentrations fell well below the screening criteria, and so that caused us to determine total PAH as not being a COPEC in the skeet range.

The open circles represent surface grab samples, and the closed shapes represent subsurface core samples.

So this is an example of something that was considered to be a COPEC.

This is lead in skeet range sediment.

This is the effects range median, effects

range low and ambient concentration.

You can see that all the detected concentrations fell right around the ambient. And there are a few concentrations in subsurface sediments at depth of three to four, four to five feet that were slightly elevated above the effects range low. So this was determined to be a COPEC.

The COPEC list was further evaluated for potential risks to benthic vertebrate receptors. We came up with a list of chemicals of ecological concern or COEC.

The factors we considered to determine a chemical COEC were the frequency and the magnitude of detection in each of the study areas.

A COEC is a demonstrated bioaccumulator in the San Francisco Bay.

And also a review of toxicological literature was conducted and COECs identified as having a potential bioaccumulate or bioconcentrate in ecological receptors.

So this figure shows the detected concentration of total PAH in sediment at Treasure Island. These are broken up in different areas. It's probably easier for you to follow along in your handout, since it's small on the screen. These are Areas A, B, C, D, E, and so forth.

MR. ONGERTH: Which figure is that, please?

MS. CANEPA: Figure 7-1, in the back pages of the handout.

You can see again this is effects range medium, ambient effects range low.

So total PAH was considered to be a COPEC everywhere that it exceeded ambient. So all of these points, it was considered a COPEC.

However, in the COEC determination, total PAH was not considered to be a COEC in Area B because of the magnitude of the detection. It was only slightly elevated above ambient in Area B.

It is, however, considered to be a COEC in Area E because it is more than slightly elevated above

ambient there.

So that is an example of how we did our COEC determination.

We used a hazard quotient approach in this risk assessment. Hazard quotients and hazard indices are a way of assessing potential risk, in this case benthic invertebrate receptors.

The hazard quotient is the concentration in a site sample divided by a screening value. In this case, we used effects range median.

A hazard index is the sum of all the hazard quotients for each sample location. If you have a hazard index greater than 1, then that's an indication that benthic receptors are potentially at risk.

If the hazard index is less than 1, it indicates there is minimal risk.

In general, the hazards indices at Treasure Island were very low, especially for organics.

The hazard quotient range for sediment ranged from .002 to 3, and it's been shown that a

hazard quotient range of 30 to 50 is indicative of toxicity, so we are well below that range.

And Cindi will continue the discussion with the risk characterization.

MS. ROSE: Okay. Well, unlike human health, we don't have a risk range number. What we do is, we just take all of the information that we have and evaluate it.

So what goes into the weight of evidence evaluation is the chemistry data, the sediment, porewater, the hazard indices that were calculated, we look at the toxicity, the bioassays, bioavailability, and then confounding factors.

I will talk about the toxicity. Joanna covered chemistry pretty well, so I will talk about the toxicity, bioavailability and confounding factors.

So for the amphipod, the percent of survival range is from 31 to 96 percent.

The survival range in the reference site, the Tiburon site, was 45 to 59 percent. So you can

see that that is pretty low for a clean, a supposedly clean site, or a site representative of the general Bay Area.

Polychaete worm, we looked at that. The growth ranged from 0.2 to 0.4.

We looked at the purple sea urchin results. Most of these were rejected due to ammonia toxicity. I think out of the 53, we actually ended up having only about 18 bioassays that were not rejected for ammonia and toxicity.

MR. ONGERTH: Before you move on from that, the reference site, does that represent a particular selected quality?

MS. ROSE: Well, it's representative of a location that's not impacted from any contaminated sources.

MR. ONGERTH: Not impacted from what?

MS. ROSE: No source of concentration.

MR. ONGERTH: It's considered to be a clean site?

MS. ROSE: Yes, or representative of the general Bay Area.

MR. ONGERTH: Thank you.

CO-CHAIR HANSEN: Where did the amm from?

MS. ROSE: I'm sorry?

CO-CHAIR HANSEN: Where did the ammonia co from?

MS. ROSE: That's a byproduct. It's a microbe process that occurs during the actual tests, when you're running the test. It's a breakdown product.

CO-CHAIR HANSEN: Is that good or is that bad?

MS. ROSE: It's bad because it causes toxicity to the purple sea urchin during the bioassay test. They expire due to ammonia and not to any chemical that may be in the sediment.

MR. ONGERTH: Before you go on, still back on my first question, the reference site, with

relation to the amphipod, we see that the reference site survival range is 45 to 59 percent. And here, for the TI site, the survival range is from 31 percent, which is lower than that range for the supposed clean site, up to 96 percent, which was clearly much better.

How do you interpret that when the range is falling on the outside in both directions?

MS. ROSE: Yes. I will get to that.

MR. ONGERTH: All right.

MS. ROSE: Actually, in this slide I will talk about it.

MR. ONGERTH: All right.

MS. ROSE: So the other factors considered, to look at bioavailability, we look at simultaneously extractable metal/acid volatile sulfide, and that's a tool for evaluating if the divalent metals -- cadmium, chromium, nickle, copper, there are six of them -- are available for uptake by receptors. So that's one wa we look to see if the metals are bioavailable.

If you have an ABS (phonetic) SEM (phonetic) ratio greater than 1, that means that those six metals may be available for uptake by the receptors.

And then we also look at the confounding factors, which sediment grain size is one. It may have affected amphipod survival -- which answers your question.

We found that when we had very fine grain sediment, grain size greater than, say, above 90 percent, we had reduced survival. The reason for that is, the fine grain sediment, it clogged the gills and there is abrasion of sensitive body parts.

MR. ONGERTH: So chemistry isn't the only factor.

MS. ROSE: chemistry is not the only thing.

As far as bioassays, where you have high survival, you can say that you're not having an effect.

But if the survival is low, you don't really know if it's due to chemistry or to something else.

So you have to evaluate everything together.

And then the ammonia toxicity affected the sea urchin survival. So most of our bioassay data was rejected.

So now I'm going to run through the conclusions, the conclusions for each of the areas.

What I did was kind of put the relevant information for each area. There were other things we looked at besides just the amphipod survival. We looked at the grain size. We looked at a number of things.

But, basically, in Area A, we don't recommend further investigation. The chemical concentrations indicated negligible risk. There is really no shallow water habitat. It's riprap.

You can see that the hazard indices, while some are above 1, they are still pretty low. They don't really indicate any kind of risk.

I've listed the bioaccumulative chemicals that were detected at these locations which went into the hazard index calculation.

Also, the survival, in Area A, because the survival was so low at the reference site, we ended up using a literature number that the Water Board came up with of 68 percent to say that anything, survival above 68 percent is not a problem.

So I guess it's a little below the 68 percent, but the hazard indices are low. So, anyway, no risk in Area A.

And then the same thing for Area B. The chemical concentrations were low.

Going to location B10, the grain size is 93 percent, so that may be responsible for this low number with the amphipod survival.

MR. HEHN: 93 percent of what?

MS. ROSE: Percent fines. I'm sorry.

Area C, again, we don't have any chemical concentrations that are extremely high, but we do have the bioaccumulated chemicals present, and there is shallow water habitat at the Clipper Cove B.

This is where we will be collecting our fish and invertebrate tissue to determine if chemical uptake is occurring and to model to the hypertrophic level receptors.

MS. WALTERS: Cindi, can you clarify a question about the source of DTT?

MS. ROSE: The source of DTT, I guess we don't have DTT on this.

MS. WALTERS: I think it's on A.

MS. ROSE: On A.

DTT was not detected in the sediment but it was detected in the porewater.

MS. WALTERS: Right.

MS. ROSE: S a little perplexing in that DTT is usually tightly bound to the sediment.

MS. WALTERS: Right.

MS. ROSE: So the source, I mean, Area A is near the pesticide shop.

CO-CHAIR SULLIVAN: The groundskeeping sho

MS. ROSE: The groundskeeping shop.

So there is a potential for that, that it may have come from, but we didn't see it in the sediment.

I'm not sure why we saw it in the porewater. We are looking at a greater volume of sediment in the porewater. We take a five-gallon bucket and centrifuge. We are starting out with a greater volume of sediment.

Whereas, when you evaluate the sediment for chemistry, you are just looking at a little bit of sediment.

So that may be why we were seeing it in the porewater. But I really can't explain why it's in the porewater.

Area D. So, again, D is the same. We will be collecting tissue to determine whether or not these bioaccumulative chemicals, there is uptake, if there is uptake by receptors, and do some food chain modeling to hypertrophic level receptors.

Again, at this location, grain size, the

percent fines for grain size was high. Generally, the percent fines in the whole Clipper Cove area was greater than 90 percent fine. So our bioassay results, you will see lower numbers for percent survival in that area.

Area E, we will be collecting tissue along this beach area because of the habitat.

Hazard quotient, hazard indices are low and they don't really indicate --

MR. ONGERTH: Is Area E on the shore?

MS. ROSE: Area E is offshore of the landfill, but we will be collecting the tissue on the beach.

MR. ONGERTH: The figure 4-1, the sample locations, it seems to me Area E is inland someplace.

MS. SMITH: The map shows it inland. That's H.

MS. ROSE: This is E (indicating).

MS. WALTERS: That's E. It's offshore.

MS. ROSE: You're looking at this form --

that's where data was collected in the Phase I. That's the storm drain.

CO-CHAIR SULLIVAN: In the Phase I investigation, we collected some offshore samples a well as some samples in the storm drain system, and some of those samples were inland at a manhole. So that's why some of these sample points are inland.

And then as a result of those sample results, that's what helped us to identify the locations for sampling in Phase II investigation.

And so now we have taken all of that sampling and put it into this remedial investigation report.

MS. ROSE: So Area G, it's really -- this is Area G (indicating). There is not really any shallow water habitat or exposure to the sediment. Chemistry does not indicate a problem.

So we recommend no further investigation of Area G.

The skeet range, because we only evaluated,

looked at lead and PAHs, we didn't calculate haza indices, but as Joanne said, there were three locations where lead was above the ERL, which is the conservative screen. It was in the three to four and four to five foot depth intervals.

So any questions?

MR. VAN WYE: Specifically with regard to Clipper Cove, what's the overall, if you can say, what's the overall prognosis for marina development in there from an ecological standpoint?

MS. ROSE: Are you speaking of like dredging?

MR. VAN WYE: Yes, because as you may have heard, there is some mu.. development plans coming on very quickly. Obviously, my organization is very concerned about that.

I'm just wondering -- and you're talking about Areas C and D and then the skeet range.

Does anything you discover basically say development will only create a problem in there?

MS. ROSE: I don't think so. The chemistry does not indicate that there is a problem.

MR. VAN WYE: My sense is that it looks pretty benign, even with a little bit of lead in the skeet range, because the numbers are lower than I expected to see.

MS. ROSE: Yes. The numbers are low.

The Navy, a couple of years ago, they got a dredge permit.

CO-CHAIR SULLIVAN: Yes. Back in 1993, the Navy went through the process a port marina operator would have to go through to get the dredging permit. We did get a permit from the regulatory agency, but because of the base closure, we didn't execute the dredging, but we were permitted to dredge and dispose of it in the bay.

MS. ROSE: And part of that, there was a dredge channel as part of that permit process.

CO-CHAIR SULLIVAN: There was also, as part of the permit, it allowed us to maintain a 10-foot

depth in a channel into the recreational marina.

MR. VAN WYE: Which is greatly appreciated.

CO-CHAIR HANSEN: Over the years, how many times has that area been dredged?

CO-CHAIR SULLIVAN: It wasn't on a regular basis, but there has been several dredging operations between World War II and, I think, the last dredging operation took place in about 1985 or mid-1980s when we constructed the new Pier 1. That's the big concrete pier at the southeast corner of the island.

CO-CHAIR HANSEN: Has it been dredged since the time that the skeet range was active?

CO-CHAIR SULLIVAN: No, no. The last dredging occurred in the mid-'80s. The skeet range ceased operation, I think, right around the late '80s.

MR. VAN WYE: The skeet range is very moribund. It was very little used for a long, long time.

CO-CHAIR SULLIVAN: Yes. This wasn't commercial. This was part of the recreational

activities on the island. You had authorized military personnel and people authorized to use recreational facilities.

So as Harlan said, there wasn't a long line of people shooting.

MR. VAN WYE: By the time of the mid-'70s, my impression -- this is totally an impression of course -- the popularity of shooting skeet had dropped off fairly rapidly. There really wasn't much use for, that I could ever recall. I don't think I ever went in and out of the cove that I had to be concerned about somebody shooting pellets at me.

CO-CHAIR HANSEN: In your presentation, you had said the levels were such that additional measurements would be made or not be made.

Is this issue now brought to rest? Are more samples going to be made?

MS. ROSE: Well, we will collect the tissue, and by evaluating the tissue, we will confirm whether or not there is any uptake.

We don't expect to have it. The concentrations are low.

The skeet range is right here (indicating). The tissue will be collected on the beach area where the birds would be, the shore birds.

CO-CHAIR HANSEN: Again, going back to Clipper Cove, in case someone wanted to do further development and put in pilings or do dredging or any other activity, it's your conclusion that they could?

MS. ROSE: Yes.

CO-CHAIR SULLIVAN: Well, based on the chemicals of concern.

Now, of course, anyone doing any work in the bay would still have to go through the permitting process, and as Cindi pointed out, there is still maybe, there still could be issues related to the finest of the grains and things other than the chemistry of the site, which could have an impact on the permit request.

But as far as any impact that the Navy may

have had on the surrounding areas is a result of our activities, were it appears that we are able to say that it is not having an effect.

MR. VAN WYE: Using bird seed to load the pellets rather than lead was a master stroke several decades ago.

MR. BRENNAN: On the hazard indices, you say that greater than 1 may be a risk.

What would it take to be a real risk?

MS. ROSE: As Joanna pointed out, there have been studies done. It was found that HQs that are between 30 and greater than 30, 30 are indicative of risk.

MR. BRENNAN: And the use of mercury doesn't matter?

MS. ROSE: Well, mercury -- the hazards quotients are still, the contribution to the overall hazard index of mercury is still quite low.

But in areas where we do have habitat, we will be looking at the tissue and evaluating whether

or not mercury is accumulating in the tissue of organisms.

MR. HEHN: In your tables for the areas, you've only listed the sites where there were actual concentrations detected, is that right? Some things are not listed.

MS. ROSE: We listed -- let's see. If that chemical contributed more than 0.5 to the overall hazard index, it was listed on the table.

MR. HEHN: So the locations that didn't meet that criteria are not listed there.

MS. ROSE: Yes. They are considered not to be a problem. There is not a COEC there that is a problem.

MR. HEHN: I'm not in your field, so I don't really fully understand that.

But one of the questions I have is that based on criteria you stated earlier, the value, 68 percent or better, it looks like in a lot of the study, this was not necessarily a good study to be an

amphipod or a purple sea urchin in.

The sea urchin didn't work well, it didn't survive, for whatever reason, and the amphipod often had a less than desirable survivability.

In your hazard indices notwithstanding, can you address the validity of the study and how good you really think the data is you received in order to try to eliminate these areas from future risk?

MS. ROSE: Okay. Let me see if I understand your question.

How valid do I think the study is?

MR. HEHN: Yes.

MS. ROSE: I think that we collected a lot of data.

We do have locations where bioassay data are valid. We were not able to use the porewater bioassay data the way that we wanted to because of the toxicity.

But I think, generally, the chemistry, the result, the chemistry is pretty low. So it doesn't

really raise any red flags that there is an area of concern. I think that we have a pretty good data set.

MR. HEHN: And one question that came up at the meeting last month that we talked about, sort of a preliminary review of this particular data, or the presentation of this data, even though there was not sediment available, and I think it's your Site F, which is around Site 28, IR Site 28.

MS. ROSE: Yes.

MR. HEHN: There was discussion at that point about the importance of still collecting the invertebrate and tissue samples, areas offshore from that.

Is that still being planned or is that being considered?

MS. ROSE: No, it's not really being considered at this time.

The overall scope of the investigation is to look at the impact from these IR sites. If we don't really have --

MR. HEHN: You have IR Site 28 there (indicating).

CO-CHAIR SULLIVAN: Well, 28 is here and 29 is here (indicating).

MS. ROSE: At this time, we are not proposing to do tissue collecting at that location.

We don't have, for one thing, we don't have any chemistry data to go along with it.

MR. HEHN: Even though there weren't sediments off shore, is there a risk because of the lead numbers that were in Site 28? And that's why I'm concerned about, at least getting some sort of risk data for that particular area, whether or not there may be sediments available.

But at least there may be some other data that might raise some red flags for some of those invertebrates in that area as well.

MS. ROSE: At this time, we are not planning on doing that.

CO-CHAIR SULLIVAN: I understand what your

question is.

MR. BRENNAN: Is there any data available from the harbor seal studies?

MS. ROSE: Not that I'm aware of.

MR. BRENNAN: Has anybody looked at the literature, because there has been a couple of studies, I think, over eight or nine years they have been doing the harbor seals.

MS. ROSE: I will make a note of that and check the literature.

MR. HEHN: Do you have any idea of what the results of those studies were?

MR. BRENNAN: I don't know how much chemistry they did, but they have some blood work.

MR. HEHN: That would give us some idea.

MS. ROSE: Yes. You can't really look at the harbor seal because it migrates throughout the base.

You would have to look at small invertebrates in the sediment.

MR. BRENNAN: Also, your bioassays, did you take a certain amount of water and pour it in? They weren't conducted on site?

MS. ROSE: No, no, but the sediment was sent to the laboratory.

MR. VAN WYE: Appendix H of the main report contains the California Regional Water Quality Site Cleanup Plan for the skeet range. Was anything ever done on that?

CO-CHAIR SULLIVAN: What happened was, we did the Phase I investigation. The skeet range wasn't included at the time. At the time, it wasn't considered to be an issue.

But the regional board did a study of offshore skeet ranges throughout the Bay Area. This occurred after we had done Phase I.

So they did a study. And as a result of that study, they issued orders, I think, for about nine sites in the Bay Area. We were one of the lucky nine.

So they issued us a directive. Normally, the way that would work, they issue us an order and then we would produce a report. What we, in discussion with the Board and with DTSC, we agreed that rather than produce a separate report just on the skeet range, since we were going to be conducting these other offshore, because, really, the skeet range site sits on top of, Site 13 is basically the offshore area, and then the skeet range really sits on top of that.

MR. VAN WYE: Right.

CO-CHAIR SULLIVAN: So we have two sites.

So we felt it was agreed with the regulators that instead of produc[illegible] report just on the skeet range, we would incorporate the skeet range into the Phase II remedial investigation.

So, legally, we fulfilled our requirement in the order by producing this document (indicating).

CO-CHAIR HANSEN: It's obvious that you and your colleagues have done a lot of meticulous work on

this topic.

In summary, would you, yourself, eat the fish that you caught offshore from Treasure Island, and would you make those available to your children to eat?

CO-CHAIR SULLIVAN: Well, that's kind of a loaded question.

MS. WALTERS: It is. That's not a fair question at all. That's not fair.

MS. ROSE: I think it's not really isolated to Treasure Island.

CO-CHAIR SULLIVAN: Basically, when it comes to any fish or any migratory animal, like the harbor seal, you cannot really say that everything they are uptaking is coming from one specific area.

Therefore, you have these general advisories, and based on the overall chemistry of the bay, there are specific advisories concerning eating fish. And that's the same in most urban, similar to most urban areas.

So what we are trying to address here is whether or not this site, this Treasure Island and Yerba Buena Island site is impacting, negatively impacting the sediments to the extent that those creatures that actually live in the sediment, not the fish that are swimming around, but the creatures that are spending time in the sediment, aren't being negatively impacted, and in some cases, those creatures are then eaten by fish and mammals.

So we really can't take this report and make a direct correlation to the quality of the fish in the bay.

CO-CHAIR HANSEN: Mr. Chairman, I withdraw my question.

MR. HEHN: It's a good point. Obviously, it didn't work well for the amphipods. Obviously, they didn't like it too much, and we don't know about the purple sea urchin.

It's still kind of a moot point in my mind. To my mind, they haven't provided a clear case.

MS. ROSE: We did look at the factors that confounded the results of amphipod, and there was a pretty clear indication that its grain size is affecting, impact the survival of the amphipods.

MR. HEHN: In all cases?

MS. ROSE: In most. I wouldn't say all of them.

There were a couple of cases where we had low survival, but we didn't have any COPECs at that location, so nothing exceeded the screening.

CO-CHAIR SULLIVAN: All right. So we are in the second week of the comment period. The document is available throughout the comment period, if anyone else would like a copy of one or both volumes, you're welcome to have one.

We will discuss later whether or not we will include a discussion item in the July meeting, but perhaps we will. And then the July RAB meeting, general RAB meeting, will be the last regular RAB meeting for the comment period, and then the comment

period would end during the week of the August I interim meeting.

MR. VAN WYE: Handsomely bound and tastefully illustrated.

CO-CHAIR SULLIVAN: All right. Well, we are just a little behind schedule. But these were very important topics, and I think we had some good discussion on them.

So I would like to take a brief stretch break, if we can hold it to five or ten minutes, and then we can move through the rest of the program.

(Short break taken from 8:50 p.m. to 9:10 p.m.)

CO-CHAIR SULLIVAN: Okay. I think we are ready to start up again with those people who are still here.

We haven't even finished the first page yet. So, as usual, we will have to pick up steam here.

The next item, but I sort of anticipated it would be a time for me tonight. There had been s

requests for information on the feasibility study, and at the last RAB interim meeting, there was still a desire to put some information out. I kind of anticipated that we wouldn't have time to discuss it, but what we did put together is a paper talking about the feasibility study process.

So all we can really do tonight in the limited time is just to pass this out. This is an educational item, and what we will need to do over the next several months is to schedule, what we will have to do is schedule either an agenda item for the feasibility study or possibly a totally separate workshop on either another evening or on a weekend.

We have done workshops in the past. We have had a human health risk workshop and an ecological risk assessment workshop. That was several years ago. But we are certainly open to having one again.

The feasibility topic could consume, could take up quite a bit of time, so that's something we will have to consider over the next couple of months,

whether or not we want to devote a bit chunk of time in a regular meeting which may be too tough to do, or schedule it as a separate workshop on another evening or weekend.

MS. RAO: I also have some copies from the national contingency plan on, basically, the regulatory definition of what the feasibility study is all about. People at the interim meeting already got this. So I have 14 more copies here (indicating).

CO-CHAIR SULLIVAN: It looks like enough copies for everyone else, too.

And then you provided a copy to us for the minutes, so actually, it's a little bit redundant, but whatever the handouts are in the meeting, whether or not you attended the meeting or not, you get a copy in the minutes. That ensures that everybody always gets a copy of the handouts. Those people who aren't here tonight will still get a copy and then we will get a second copy.

I haven't come up with a better way to do

that other than to give you too much paper rather than too little.

So next, it moves into general updates, announcements.

We just listed this item as an open item in case anyone has any announcements.

I do have two brief announcements. One, which is noted at the bottom of the agenda, back of the agenda, the City's Treasure Island Development Authority is meeting tomorrow at 1:00 at the Ferry Building. So their meetings are typically the third Wednesday of the month.

All of you should be receiving the notice of their meetings which come out about a week ahead of time. If you're not receiving their notices, let Martha or me know, but all of the RAB members should be on the list.

MR. VAN WYE: I didn't see one this month.

Do you know what's on the agenda, anything particularly highlighted?

CO-CHAIR SULLIVAN: I think it's the usual update stuff.

And then the only new item looks to be the briefing, during the open period, a briefing by CalTrans on the new bridge.

And then as Annemarie had mentioned, the open briefing on Clipper Cove.

The marina development wouldn't be until the July meeting.

And then they are also meeting, having an internal meeting in closed session on housing negotiations. Presumably, there will be some open discussion on that in either July or the subsequent meeting.

So it looks like the big new item for tomorrow is the briefing by CalTrans.

If any of you haven't seen a briefing by CalTrans, and you have time available, it's interesting. I've seen it.

And then the other item in the announcement

is the city's, again, this is a city item, is their workshop, planning workshop on the 11th of July to be held here on Treasure Island.

I think all of you got the invitations to the original workshop, and then notices that they had rescheduled it from the spring to the 11th of July.

I'm not sure if there is going to be any other mailings on that or not. There was a point of contact in there, Mary Woods, from the city planning department. You need to RSVP if you were going to attend.

MR. VAN WYE: I notice that there is an item down below under the organizational business. Are we going to be doing anything for that?

CO-CHAIR SULLIVAN: That's to be determined.

MR. BRENNAN: I left a message with Mary Woods to try to find out if we could have someone to make a presentation and get more members, and that's what we discussed.

CO-CHAIR SULLIVAN: Great.

MR. BRENNAN: I only left that message today.

CO-CHAIR SULLIVAN: Okay.

FY-98 project execution plan. I had said I would have a more written listing. I still don't have that. That's on my action list to provide an update of the FY-98 execution plan.

We had our monthly RPM/BCT meeting on the 1st of June. Chris was there, Chris Shirley was there. We don't have the minutes out for that yet, but we will in the next couple of weeks. You will receive copies of those minutes.

At the June 1st meeting, which was at the Regional Water Board, we discussed the additional sampling for TPH and dioxins at Site 12.

We discussed the no action RABS for Site 1 and Site 3, and we have to do some additional work on that.

Those were kind of the two major technical items, but you will be seeing the minutes on that in

the next couple of weeks.

The quarterly groundwater monitoring, I think we completed the field work on that. We w[illegible] doing that over the last couple of weeks. It takes about 90 days to produce the report. So you will be seeing the quarterly report in about another three months.

And then we are still in the process of completing the Zone 5 and Zone 6 FOSLs. We had a conference call with the regulators earlier in the week regarding Zone 6, and we resolved the regulator comments on Zone 5. I'm still working on the RAB comments on Zone 5.

So Zone 5 is kind of moving now about the same pace as Zone 6 just because we are spending more time on the RAB comments. So both of those were expected to be completed within the next month.

I'm just going to turn it over to Richard, because we need to jump into organizational business to hit a few items, I think. I wasn't at the interim

meeting, but there were a couple of items that they wanted to bring up.

So I will turn it over to Richard on the three items of the monthly meeting, the workshop and a new TAPP proposal.

CO-CHAIR HANSEN: Well, there is continuing concern about the number of diligence of our RAB members. It's always a concern about, do we want a lot of members or do we want high quality members, like Pat and Paul, people who just work their heads off? It's really quite unfair to them. We certainly need more members, and maybe we will make an effective pitch on the 11th of July.

The TAPP proposal, we have that on the back burner. We are waiting for John to return. I think he is still ill. But, meanwhile, there is no limitation on the number of proposals that we can make. I think you had that in mind, didn't you, Paul?

MR. HEHN: Yes. I think in looking at working with the feasibility study, we had looked at a

couple of different issues that might be available for TAPP grants.

One was to work with trying to come up with a range of different TPH screening levels, maybe within a variety of states or variety of jurisdictions that might work towards providing a basis for getting the resolution of TPH screening level for Treasure Island, or at least providing for additional information for that, maybe as a research program by a student, or something like that, that will be a compilation of data.

I think the other thing was, we were looking at trying to put together a similar kind of program on the availability and the application and utility of the institutional controls. So that was another area you might want to do a simple TAPP grant on to get a student or somebody that's looking at where those have been used and what the results of those are over time, to kind of aid the process of looking at that as a potential remedial approach.

CO-CHAIR HANSEN: Harlan, did you have a chance to look at that thick summary on institutional controls?

MR. VAN WYE: I did, and I didn't bring it with me tonight because I left it in my office with some other documents.

I would be more than happy to discuss that at the next meeting.

I apologize for my carelessness.

CO-CHAIR HANSEN: It's a legal document. You don't read it very readily.

MR. VAN WYE: It's a bit turgid, but I have read stuff like that before.

Richard, what are our plans? I'm looking here at our agenda, plans for the July workshop.

CO-CHAIR SULLIVAN: Well, first, I guess the actual, the city is having workshops so that's their event.

Nathan has called the city planner in charge to see whether or not, I guess the initial proposal to

see is if there could be a boot or some way to provide --

MR. BRENNAN: Yes. I think at the interim meeting, we talked about a table and poster.

MR. VAN WYE: We had an extensive discussion at the last meeting about participation. I would like to get an update about what's been done.

MR. BRENNAN: Well, I left a message but have not heard back yet. I didn't do that until today.

CO-CHAIR SULLIVAN: On top of that, there was also a proposal, since the workshop, I believe, and I'm just going by memory, it was 10:00 a.m. to 2:00 p.m., there was some discussion about making use of that date to also have a RAB event, either before or after, because we haven't done a tour in ages, and so there might be a way to dovetail a specific RAB event, like a tour or mini workshop, for those people who would otherwise be coming out to the island for the city's workshop.

MR. VAN WYE: Well, I think rather than an internal RAB thing, my recollection of the discussion that we had at the last meeting was that we would take that as an opportunity to wiggle our way onto the city's agenda, and to make those or allow those participants in the city's workshop to become aware of the RAB and its activities, so we might locate some fresh blood for the organization.

In fact, that was my sense of the entire thrust of the discussion, something along those lines, rather than doing something that was just, you know, singing to the same old fire.

CO-CHAIR HANSEN: Right.

The city's workshop seems to me not to have been well advertised.

Who would come to the workshop?

CO-CHAIR SULLIVAN: Well, I think the city -- I can't speak for the city -- but they have a mailing list that they developed as part of the EIR, and I think a pretty extensive mailing list. They

send it out to those people who have in the past indicated interest in the process.

So it's certainly not just the RAB members, but all the other organizations and individuals interested in planning in San Francisco.

So I think it's a several hundred or more mailing list that this goes out to. And based on workshops they have had several years ago, they have had several hundred people at their workshops before. So I would expect that they would have a healthy number at this one.

CO-CHAIR HANSEN: I think that that would be the right clientele for us to recruit from.

CO-CHAIR SULLIVAN: But because it is a city workshop, it will be ultimately up to them as to how much time they would have available to devote to a RAB pitch.

MR. VAN WYE: Well, also, correct me if I'm wrong, but at the last meeting, I seem to recall a discussion that we had that our staff was going to be

very quickly, if not immediately, in contact with the city to see if this could be arranged.

And, Jim, you meet regularly on a weekly basis with the city staff.

CO-CHAIR SULLIVAN: Biweekly now.

MR. VAN WYE: Biweekly now.

I guess I have been under the assumption that you would be undertaking to get us on the agenda over there, so that there would be a RAB pitch so participants in the workshops would know of the RAB's existence, what we do, and opportunities to work on this. I guess I don't see anything like that having been done.

CO-CHAIR SULLIVAN: Actually, I was out of town during the last meeting, biweekly meeting, so I haven't been to a meeting since our last RAB meeting.

But what we will do, given that Nathan has made a call, I will talk to Martha and see if we can hit it from two sides.

MR. VAN WYE: Yes.

I don't think it takes much, about five minutes there. They may even want some stuff to fill up their workshop.

CO-CHAIR SULLIVAN: I think they will plenty of stuff.

It will be a matter to dovetail into what they are doing without taking up too much of the probably limited time that they will have.

MR. VAN WYE: What's your understanding of the purpose of this workshop?

CO-CHAIR SULLIVAN: Again, I don't know. I think it's just an opportunity for citizen input into the planning process.

CO-CHAIR HANSEN: Are they planning to have a tour of the island?

CO-CHAIR SULLIVAN: I don't think so. I think it's a stationary workshop.

CO-CHAIR HANSEN: In this building?

CO-CHAIR SULLIVAN: I think it's in the Nimitz Conference Center.

I think the key is, we will just have to reach agreement with the city as to what the RAB can do at that meeting, since it is their planning workshop.

MR. HEHN: Even if they can't provide us with an opportunity to speak directly during their meeting, I think the fact that if they would allow us the space to, like I say, set up a table -- and I already talked to Ryan Brooks at EFA West. They are more than happy to bring out posters.

CO-CHAIR SULLIVAN: Yes. We can provide th visuals, if an agreement is reached, we can provide the background material.

MR. HEHN: We need the go ahead, if that's okay.

We can certainly pitch them for going ahead and saying: Well, can you give us a couple of minutes? Here we are and here's what we do. We are looking for new members. Maybe nothing more that.

MR. VAN WYE: So there will be some contact with the city people on this one?

CO-CHAIR SULLIVAN: Yes.

CO-CHAIR HANSEN: Who is going to the meeting tomorrow, are you going to that meeting?

MR. BRENNAN: No.

CO-CHAIR SULLIVAN: Well, I'm going to the Development Authority meeting. Of course, it's not the same forum as the working meetings.

MR. VAN WYE: So the meeting on July 11th is being put on by the city planning department?

CO-CHAIR SULLIVAN: Right.

MR. VAN WYE: Rather than the TI Development Authority?

CO-CHAIR SULLIVAN: Yes, I would say that's probably correct. It's the planning department.

MR. BRENNAN: There is some theory that this meeting was originally canceled to be after the election.

MR. VAN WYE: Say again?

MR. BRENNAN: There was some discussion that the April 4th original scheduled meeting was canceled and moved to July 11th to be after the election. The turnover with the director out here and that pushed it.

MR. VAN WYE: Say it isn't so.

MR. BRENNAN: Well, politics.

MR. VAN WYE: Be still my heart.

CO-CHAIR SULLIVAN: Okay. Upcoming documents. Well, there has been a groundwater monitoring report out since last month, so I will strike that item. The next groundwater report will be out in about three months.

The offshore RI is out. Comments are due, right now we are saying the 7th of August, a 60-day period.

However, we do have the CAP, the onshore RI, and the FS. The schedule for that is dependent on working out some issues, and that will probably be on the agenda of our next BRAC Cleanup Team meeting in

July to take a look at the schedules for these other documents.

Given the issues that are out there, try to work out what the best schedule is and steps to take, possibly even doing some further break out of sites.

At any rate, we don't have firm schedules on these other documents, and so that will be an item of discussion, should be an item of discussion at our next BCT meeting.

And, consequently, I just inserted as a tentative item in the July regular RAB meeting a discussion of schedules for documents. So out of the BCT meetings we have in early July, we should be able to, we may be able to come to the RAB, at the regular July meeting and at least be able to talk about the documents and proposed schedules and get the community member input before we put some of these revised schedules in concrete.

And then the draft reuse plan, there is no firm release date. But it may be sometime in the

fall. I suspect it will be sometime in the fall. That's about as precise as I can get. Perhaps the 11th of July workshop, the question may come up, and they can provide a more precise date on that.

So for July, for the next meeting, for the next general meeting's topics, I have listed some proposed topics, and this will be rediscussed at both the interim RAB meeting, on the 1st of July, and also our BCT meeting.

But, tentatively, we would have a draft work plan for the additional work that we are doing at Site 12. That draft will be out in about three weeks. So the document would be available for discussion at the July RAB meeting.

If desired, we can have further discussion on the draft offshore RI, given that we will still be in the comment period. So since you've only had the document for two weeks, perhaps after another four weeks, there might be some further Q and A that community members would like to have on that document.

and we can do that.

And as I mentioned, we may be able to discuss some proposed schedules for the other documents.

And then I think we will have to, even though July may start to get kind of busy, we will need to insert some discussion of findings of suitability to transfer.

We are planning to meet with the regulators, at the end of this month, to have an introductory meeting on the preparation of findings of suitability to transfer. The initial effort would be those sites that don't otherwise require remedial action, like this site right here, for example. It is not a residence. There is no lead-based paint residential issues. There is no USTs here. There are buildings like this, sites like this, the big lawn area out there where we may not be doing any remedial action, and, therefore, we could move ahead and do a finding of suitability to transfer.

1st of July.

However, I did put up for 8 July, not knowing if there might be any kind of preference given that the 4th of July weekend is a couple of days aft the 1st and a lot of offices or some offices take off on the 3rd of July. So I left that as a potential item for discussion.

However, given the comment period on the updated FOSL, I would like to recommend that you still schedule an interim meeting on the 1st of July, which would be pending availability of Pat's office at PG&E, if she can host it.

And then there may or may not be a need to have a meeting on the 8th of July.

But I think I would recommend there still be a meeting on the 1st in order to afford, as a special topic, to afford discussion on the updated FOSL for the TI housing.

So unless there is any comments to the contrary, Richard and I will work with Pat and then

And then once the EIS/EIR was done and the Navy and the city had reached a real estate transfer agreement, then our environmental documentation would be complete.

So we would be phasing those findings of suitability to transfer, and we would begin to prepare them over the next couple of months. So we will probably need to come in and brief you on that at the July meeting.

August, I wasn't able to project out enough on that. It was dependent on what we do in July. I don't have good items for that yet.

So our next regular meeting will be on the 21st of July. Because of the way the month falls, it's five weeks from now rather than four. So that gives me an extra week to try to get the meeting minutes out earlier next time.

And then in August, it's 18th of August.

The next interim community member meeting, by the first Wednesday of the month, would fall on the

send out notices for the meeting on the 1st of July Wednesday the 1st.

The next BCT meeting, which had been on the first Monday of the month, and then the following week, the 6th of July, James will be hosting that over at EPA.

And then the next Development Authority meeting is, of course, tomorrow, the 17th of June, and then the workshop is Saturday, the 11th of July.

So are there any other comments or discussion?

Is the lighting in here a little low?

CO-CHAIR HANSEN: It is.

CO-CHAIR SULLIVAN: A couple of meetings ago, we had extra lamps, and that's what we might need.

CO-CHAIR HANSEN: Do these lights work?

CO-CHAIR SULLIVAN: They are not actually lights.

Okay. Well, without any further adieu, w

will close our June meeting, and we will see some of you at the interim meeting on the 1st of July. Thank you.

(The meeting adjourned at 9:35 p.m.)

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