

RESTORATION ADVISORY BOARD

Martinez, California

Meeting of July 14, 2003

Reporter's Transcript

NICCOLI REPORTING

(650) 573-9339

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6 NAVAL WEAPONS STATION
7 SEAL BEACH, DETACHMENT CONCORD
8 RESTORATION ADVISORY BOARD
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11 REPORTER'S TRANSCRIPT OF MEETING
12
13 July 14, 2003
14
15 Contra Costa County Sheriff's Office
16 1980 Muir Road
17 Martinez, California
18
19
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26 CERTIFIED SHORTHAND REPORTERS SERVING THE BAY AREA

1 OTHER ATTENDEES
2
3 AMADO C. ANDAL - Weston Solutions, Inc.
4 HELEN BAUMGARTNER - Concord resident
5 BETH J. BYRNE - Concord citizen
6 HARRY M. BYRNE - Concord citizen
7 JOANNA CANEPA - Tetra Tech EM Inc.
8 DAVID C. COOPER - U.S. Environmental Protection Agency
9 (EPA)
10 CAROLYN HUNTER - Tetra Tech EM Inc.
11 MICHELLE HURST - United States Navy
12 GREGG T. SMITH - Naval Weapons Station
13 STEPHEN F. TYAHLA - Department of the Navy
14 MARGARET WALLERSTEIN - United States Navy

1 PARTICIPANTS
2
3 COCHAIRS: THERESA L. MORLEY - United States Navy
4 MARY LOUISE WILLIAMS - Concord resident
5
6 RAB MEMBERS:
7
8 CHRISTOPHER BOYER - Martinez resident
9 ED MCGEE - Martinez resident
10 LAURENT M. MEILLIER - San Francisco Bay Regional Water
11 Quality Control Board (RWQCB)
12 MARIO M. MENESINI - Central Contra Costa Sanitary
13 District, Environmental Alliance, Walnut Creek
14 resident
15 MARCUS O'CONNELL - Concord resident
16 JIM PINASCO - California Department of Toxic Substances
17 Control (DTSC)
18 PHILLIP RAMSEY - U.S. Environmental Protection Agency
19 (EPA)
20 IGOR O. SKAREDOFF - Martinez resident
21
22 ---

1 MARTINEZ, CALIFORNIA, MONDAY, JULY 14, 2003, 6:32 P.M.
2 ---
3 MS. WILLIAMS: Shall we get started, please?
4 Okay. I'd like to call the meeting of the Concord Naval
5 Weapons Station Restoration Advisory Board, July 14th,
6 2003, to order, please.
7 And the first order of business is to welcome
8 everybody. Do we have any members of the public? We
9 do. The next thing we're going to do is introductions.
10 And Theresa, why don't you start? Please.
11 MS. MORLEY: Okay.
12 I'm Theresa Morley, the Navy cochair.
13 MR. MEILLIER: Good evening. I'm Laurent. I'm
14 here as the Regional Water Quality Control Board person.
15 MR. TYAHLA: I'm Steve Tyahla, the Navy
16 Remedial Project Manager for Naval Weapons Station,
17 Concord.
18 MS. HURST: Michelle Hurst with the Navy.
19 THE REPORTER: Michelle what?
20 MS. HURST: Hurst, H-u-r-s-t.
21 MR. ANDAL: Amado Andal, Weston Solutions.
22 MS. BAUMGARTNER: Helen Baumgartner, Concord
23 citizen.
24 BETH BYRNE: Beth Byrne, Concord citizen.
25 MR. H. BYRNE: Harry Byrne, Concord citizen.

1 MR. RAMSEY: Good evening. I'm Phillip Ramsey
2 with the United States Environmental Protection Agency.
3 MR. SMITH: And I'm Gregg Smith, the public
4 affairs officer for Naval Weapons Station, Seal Beach,
5 which is the headquarters command for the Concord Naval
6 Weapons Station.
7 MS. WALLERSTEIN: And I'm Margaret Wallerstein,
8 also with the Seal Beach Naval Weapons Station.
9 MR. SKAREDOFF: I'm Igor Skaredoff. I'm a
10 Martinez resident and member of the RAB.
11 MR. BOYER: Chris Boyer, Martinez resident.
12 MS. CANEPA: Joanna Canepa, Tetra Tech.
13 MR. MENESINI: Mario Menesini with the RAB
14 board and also Environmental Alliance and also Central
15 Sanitation District.
16 MS. WILLIAMS: Mary Lou Williams, community
17 cochair.
18 Marcus?
19 MR. O'CONNELL: I'm Marcus O'Connell, Concord
20 resident.
21 MS. HUNTER: Carolyn Hunter, Tetra Tech.
22 MS. WILLIAMS: Okay. We've -- Are there any
23 public comments, please?
24 MR. H. BYRNE: Yeah. May I make a comment?
25 MS. WILLIAMS: Yes, please.

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1 MR. H. BYRNE: I -- I was out of the state when
2 the control burn on the Weapons Station occurred near
3 the property line of -- of -- of Concord, and I heard
4 about it.
5 And I -- I understand the purpose for the
6 control burn. It's a smart move. But apparently, there
7 was a lack of communication, because I -- I've heard
8 people suggest maybe it was a cover-up because of
9 Site 22. I don't believe that. But nevertheless,
10 that's what happens when people aren't informed.
11 I have a couple of questions. Number one is:
12 Plants growing on soil that contain certain kind of
13 contaminants take up these contaminants; and then when
14 they are on fire, the -- the -- the materials, the
15 contaminants, are -- are often passed on to the smoke
16 and the ash.
17 And I just wonder if anybody in this group has
18 got the kind of background or expertise that might tell
19 us a little bit about some of the problems that could
20 occur as a result of that in the area of Site 22.
21 And the other thing is a question about how
22 close did the fire come actually to the Site 22? Was
23 there any part of Site 22 burned, or did it escape
24 unharmed? That's my questions.
25 MS. MORLEY: Okay. Harry, the first question,

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1 there are certain types of chemicals that can get
2 uptaken by plants, but normally metals don't; and
3 especially arsenic, they are kind of -- they are not
4 very mobile. They are very persistent. They tend to
5 stay -- tend to stay absorbed onto the soil.
6 And so when the fire is burning, we don't
7 expect that even if they did -- were uptaken by the --
8 the grasses, they are not something that would be --
9 would change form when it's flammable. It's like third
10 particulates of metal, so -- and arsenic is the soil
11 that -- I mean -- sorry -- the chemical concern at that
12 site.
13 And the second question is kind of -- it's kind
14 of hard to answer yes.
15 Part of it did because Site -- the area of
16 Site 22 doesn't really have a boundary. It didn't --
17 It was a hundred feet away from the building, which is
18 how Site 22 originated; but because of the work that's
19 been going on and the arsenic that has been in the
20 surface soil that has -- that we -- that we are finding
21 due to pesticide application that it -- the Site 22 area
22 is growing, and it's something that's uncertain right
23 now.
24 But it did burn near Site 22. It was about
25 50 yards from the fence line and a hundred feet from the

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1 building.
2 So it does -- does that answer about where it
3 is?
4 Helen?
5 MS. BAUMGARTNER: To go ahead with that
6 question, I understand the control burning was because
7 of the fireworks at Concord High. So -- and it's hard
8 to tell from Willow Pass from where I live just exactly
9 how much cover the control burning did. Did it go up to
10 Concord High and around Concord High, or was it or not?
11 MS. MORLEY: No. It was 50 yards away from the
12 fence line and -- and further into the Weapons Station.
13 And they would do, like, a small area at a time. And
14 they waited for a day that the winds were blowing
15 north --
16 MS. BAUMGARTNER: Right.
17 MS. MORLEY: -- onto the base, and then they
18 did it on that date because it is quite hot there.
19 MS. BAUMGARTNER: So if they are doing it for
20 the fireworks, then why didn't they burn on up to the
21 Concord High --?
22 MS. MORLEY: That -- that last part they tilled
23 it so that -- they ground the grass in so it wasn't a
24 hazard --
25 MS. BAUMGARTNER: Okay.

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1 MS. MORLEY: -- but it wasn't burned.
 2 MS. BAUMGARTNER: Okay. Thank you.
 3 MS. MORLEY: You're welcome.
 4 Marcus?
 5 MR. O'CONNELL: Could I ask the Navy's
 6 question?
 7 Are there regularly scheduled fireworks every
 8 year at the Concord --?
 9 MS. BAUMGARTNER: Oh, yeah, yeah. The last
 10 12 years they have had fireworks down at Concord High.
 11 MR. O'CONNELL: Okay.
 12 ATTENDEE: Concord Neighborhood Park. Concord
 13 Neighborhood Park. I don't know much where they
 14 actually shoot the fireworks. They may do it from --
 15 MR. RAMSEY: I get the feeling they are talking
 16 about the battalion chief because I was out there
 17 Thursday afterwards. Get the feeling it's from the high
 18 school, and they shoot them north out over the Inland
 19 Area.
 20 And in the past, the fire marshal said that
 21 there would typically be ambers that will hit the ground
 22 and will ignite. So they are out there monitoring for
 23 fires.
 24 But they do this control burn over certain
 25 areas, and I could -- if I have -- provide a map, could

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1 draw out where they did.
 2 They were actually doing the first row of
 3 bunkers that sits back from the fence line several
 4 hundred feet, I believe. They try to avoid that along
 5 the buildings, like the Site 22 building. But
 6 unfortunately, there was areas they did burn, and so
 7 that was -- you know, they got -- Theresa did answer
 8 your question. There was areas.
 9 From EPA's standpoint, had we been asked about
 10 are these areas okay, there would have been some sites
 11 that we would have preferred not to have burned because
 12 that's essentially within the study area of Site 22,
 13 which the Navy's going to be explaining is now rapidly
 14 declining.
 15 But I do want to just comment that there are
 16 metals that will bioaccumulate, so just to clarify some
 17 of Theresa's -- you know, mercury, in particular, these
 18 things are very toxic in the environment, and they will
 19 bioaccumulate.
 20 Arsenic is a little less certain and we don't
 21 know. And so there is likely -- you know, all these
 22 plants are going to take up the minerals in the ground.
 23 So there's likely some arsenic in the plants; and when
 24 there's a burn, there would be arsenic in the -- either
 25 a fume or particle arsenic, I would imagine, that would

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1 primarily be a risk to the firefighters who are in the
 2 smoke.
 3 We have just heard things regarding what they
 4 do to ensure that there was minimized smoke into the
 5 neighborhoods.
 6 So we understand the winds were generally
 7 favorable for that day. I was -- saw some of the fire
 8 on that Wednesday afternoon, and I went and saw the site
 9 on Thursday.
 10 And so there was actually winds blowing north.
 11 So the smoke was coming over the Los Medanos Hills over
 12 towards Pittsburg on that first day, I guess the 2nd
 13 then, Wednesday, the 2nd, I believe.
 14 MS. MORLEY: And Steve then did talk to Rich
 15 Pieper, who's the facilities coordinator for Concord,
 16 and asked them and the fire department to coordinate
 17 with him in the future so that we can let the RAB know
 18 and let the EPA know so that it doesn't happen again
 19 where people weren't informed.
 20 There was a public notice, but I guess -- I
 21 don't know whether they put it in the CONTRA COSTA
 22 TIMES, because it didn't seem like a lot of people had
 23 seen.
 24 MR. SMITH: I think in the future, what we'll
 25 try to do is, like, get a blurb in the Concord

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1 transcript, not on the back pages. But I'm sure like
 2 most printers of newspapers, they've got a little
 3 section where they have a bunch of little blurbs about
 4 events taking place in the community in the following
 5 weeks.
 6 So we'll try to get something in there in a --
 7 in a publication that people are actually going to see
 8 somewhere in the first few pages.
 9 MS. MORLEY: Yes.
 10 MR. O'CONNELL: One of the suggestions that
 11 came up when we were putting together this Community
 12 Relations Plan over a year ago was that we get a CD of
 13 addresses throughout the Concord area, Martinez area,
 14 actually, all of Contra Costa from a realty firm that
 15 issues these things out so that we could actually draw a
 16 line around the Weapons Station various parts of it and
 17 be able to do maintenance truck to -- to people living
 18 in the area.
 19 And it seems to be like the transcript frankly
 20 is a fish trap. A lot of people don't --
 21 THE REPORTER: Is what? I'm sorry.
 22 Could you please speak up. I'm having
 23 difficulty hearing you. I'm sorry.
 24 You said what -- the transcript is a what?
 25 MR. O'CONNELL: Is frankly a fish trap, and a

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1 lot of people don't read it. Reporting is very poor,
2 and -- and it's -- it's inserted in the middle of the
3 page. So I wouldn't say that's necessarily a good
4 medium.

5 MR. SMITH: Okay.

6 MR. O'CONNELL: Whereas, a target medium is --
7 is certainly available and relatively inexpensive,
8 especially relative to putting in [inaudible], I think,
9 at least comparable to putting in an ad in the CONTRA
10 COSTA TIMES. It costs to do that.

11 I wonder -- a question for Phillip: Am I to
12 understand that the EPA was not notified ahead of time?
13 And are you com- --? First question.

14 The second question, you say that there are
15 areas that you were -- probably would have suggested not
16 have been burned. What does that --? Now, if that's
17 true, there's probably a reason for that. I'm
18 wondering, what kind of risk were the county staff or
19 the county folks who were out there doing the control
20 burn exposed to as well as what kind of risk was the
21 neighborhood exposed to because these areas were burned?

22 Obviously, the people who were working for the
23 County were downwind of this burn.

24 MR. RAMSEY: Well, they -- everyone -- I
25 believe we're talking about where people were stationed,

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1 actions and restricting on residential reuse and things
2 like that; it's still we are only a couple orders meant
3 to over what you could see in natural-occurring
4 materials.

5 And therefore, you may expect to see the same
6 kind of, you know, comparable concentration. I'm making
7 speculations. The Navy is going to be looking into some
8 of these absolutes, like how much arsenic is in plants
9 that would be susceptible to grazing animals, you know,
10 uptake and things like that.

11 There are just some risk, and it's not EPA's
12 job to really try to go back and assess what's the --
13 what was the risk of a past exposure to something that's
14 happened. We're only trying to look to the future in
15 protecting and minimizing exposures, and so it's a
16 communication issue primarily.

17 And I went out there a Thursday. I didn't feel
18 I have authorization, Marcus, to stop a program like
19 that. And so I told the battalion chief that I just
20 don't feel I have authority to tell people to stop doing
21 this thing 'cause there's obviously lots of pros and
22 cons to what they are doing.

23 And it was real clear, even to people that
24 originally we had heard were complaining about the fire.
25 I was with the battalion chief with one of these

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1 and they actually -- I mean, we were having people
2 describe how they were doing these burns and to the
3 extent that they were doing the burn. They weren't
4 lighting a large number of acres. It was done on a very
5 small scale is what people have explained to me, because
6 we didn't see the fires going on.

7 And like always, firefighting on emergency
8 response, it's like the risk for the people that are
9 oftentimes right there, you know, breathing the vapors
10 and things like that.

11 So it's just kind of, you know, intuitive
12 statement that the real risk would probably be the
13 firefighters who are typically always exposed to smokes
14 or whatever kind of materials they are having to deal
15 with.

16 But it's -- probably still it's a pretty low
17 risk; and this is the thing, you know, indoor air risk,
18 Marcus. We're all based on long-term exposures; and
19 this is one, you know, event they are out there.

20 And again, we're also not dealing with, you
21 know, horrendous, you know, ex- -- you know, these
22 screaming, as we call, you know, concentration --
23 contaminant concentration.

24 While there is elevated arsenic, it's -- it's
25 been -- it's -- we're up for we are having to consider

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1 individuals with -- upon a short conversation with
2 battalion chief, said: "Okay, thank you very much. I'm
3 sorry -- I don't need to have a phone number of anybody,
4 and I'm sorry to bother you." And she turned around and
5 went away, and her house was right on the -- right on
6 the -- on the property line.

7 So all we can do is, you know, try to ensure
8 that people in the future -- that was my comment to
9 battalion chief: We are here to make sure there's no
10 exposures, and firefighters are particularly vulnerable.
11 We don't like to see them exposed; and, you know, had we
12 been asked, we would have likely indicated there's a
13 couple of areas we would not have burning to occur.

14 But I assume firefighters are not -- you know,
15 they're not standing or breathing smoke either. I think
16 they understand some of the risk of some of these
17 things, and they may have -- battalion chief indicated
18 respirators they are wearing. I'm not sure if that's
19 the case or not.

20 But I generally understand the firefighters
21 don't want to stand around breathing smoke. They are
22 going to want to try to stand out of the smoke as best
23 they can, you know.

24 So there's probably some risk, Marcus, no
25 question. Just like burning that, there may be some

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1 risk. But we can't stop everything else we are doing to
2 try to figure out what that was, though.
3 MS. WILLIAMS: Any other questions on the burn?
4 Marcus?
5 MR. O'CONNELL: Only one thing. I -- I
6 received a letter from Tom Freitas, an E-mail. Tom
7 Freitas, I think everyone here probably got a copy of
8 this.
9 MS. MORLEY: No.
10 MS. WILLIAMS: No.
11 MR. O'CONNELL: I'd like it entered into the
12 record for this meeting for the minutes.
13 MS. WILLIAMS: Okay.
14 MR. O'CONNELL: It's just his concerns about
15 this burning.
16 MS. WILLIAMS: Okay. Carolyn is going to go
17 and make copies of this so that we have got it, and then
18 we'll give one to our reporter. Thank you.
19 Will you have any questions on that after she
20 copies and distributes it, Marcus, or shall we wait
21 until that point?
22 MR. O'CONNELL: Say that again.
23 MS. WILLIAMS: She's -- Carolyn is going to
24 make copies of that letter and distribute it to all of
25 us. Do you have something on the contents that you want

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1 to bring up when we all get it?
2 MR. O'CONNELL: No. I just want it entered
3 into the record.
4 MS. WILLIAMS: Okay. That's fine. Then we'll
5 put it into the record.
6 If there are no more questions on the burn
7 area, then the next item of business is the agenda
8 approval.
9 Marcus?
10 MR. O'CONNELL: I have several corrections on
11 that, briefly.
12 MS. WILLIAMS: Okay.
13 MR. O'CONNELL: Page 81, line 11, this is
14 something that's going to be repeated again and again.
15 It has me saying -- referring to something called the
16 "NHPA." Instead, I referred to the N.E.P.A, NEPA,
17 N.E.P.A. That occurs again on -- on page 79, line 16
18 and line 14, and I think that's about it.
19 Actually, okay, on page 78, I'm quoted as
20 saying there has already been found -- "The site has
21 already been found eligible for the [sic]
22 natural" It should read "The site has already
23 been found to be eligible for the national register of
24 places."
25 MS. WILLIAMS: Okay. Then I discovered on

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1 page 74, line 24, the person speaking is not me. I
2 believe it must be Mr. Marken because I don't remember
3 saying any of that. So that's all I have.
4 MS. MORLEY: Okay. Thanks, Mary Lou.
5 So if those changes can be approved in putting
6 those changes in the June 2nd transcript.
7 MR. MENESINI: I move approved.
8 MR. BOYER: Second.
9 MS. MORLEY: All in favor, say, "Aye."
10 THE BOARD: Aye.
11 MS. MORLEY: Any nays?
12 (No verbal response elicited.)
13 MS. MORLEY: Okay. Under "Review Unresolved
14 Business," I have a couple of things; but does anybody
15 else have anything that's unresolved or old business
16 that needs to be taken care of?
17 Okay. Then real quickly, I got kind of
18 confused reading the transcripts last time who wanted
19 what document and in what format. So I made a sheet,
20 like Peter suggested.
21 So I'm going to pass this around; and if the
22 RAB members can look at the environmental baseline
23 survey Natural Resources Management Plan, the Cultural
24 Resources Management Plan; if you could either put that
25 you want the hard copy of the CD; or if you already have

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1 it or don't want it, you can say, "No, thanks."
2 And the Natural Resources Management Plan I
3 found out from the EFA West guy, Dick Rugen, that
4 they're finding the no significant impact [inaudible]
5 did go out to the agencies; and they are waiting for
6 their signatures back, which they expect in six to eight
7 weeks. Once that happens and the plan's finalized, then
8 it can be released for the public. So it will be a
9 couple months before that plan comes out.
10 Okay. Then I was going to pass these pictures
11 around. Chris Boyer took these of the Chemical Pigment
12 plant. Plant; is that right?
13 MR. BOYER: Yeah.
14 MS. MORLEY: Okay, which is the DTSC lead site
15 on Navy property and of the cleanup in there. So I'm
16 just going to pass these around if you guys want to take
17 a look at those too.
18 MR. PINASCO: Theresa?
19 MS. MORLEY: Uh-huh?
20 MR. PINASCO: Chem. Pig. is not on Navy
21 property or Navy property?
22 MS. MORLEY: No. It's next to Navy property?
23 MR. PINASCO: Next to Navy property.
24 MS. MORLEY: Okay. I'm sorry. So DTSC lead
25 next to the Navy property.

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1 MR. PINASCO: Correct.
2 MS. MORLEY: Okay. Thank you, Jim.
3 MR. TYAHLA: And we don't want it.
4 MR. PINASCO: Actually, maybe some day they
5 will want it.
6 MS. MORLEY: Okay. And then that's the -- I
7 wanted to go over a couple of the action items. Thank
8 you.
9 I'm not sure that -- Do --? I'm sorry,
10 Marcus. You probably talked to Dean. We -- He still
11 hasn't given us a copy of that report. Do you know if
12 you can remind him?
13 MR. O'CONNELL: I have reminded him.
14 MS. MORLEY: Okay. I just wanted to check on
15 that.
16 And Igor told me he -- for a while he couldn't
17 find his E-mail on the building at the wetlands
18 constituency, but he reported it to me today. So when I
19 get back in the office, I'll go ahead and report that to
20 everybody.
21 MR. SKAREDOFF: Theresa?
22 MS. MORLEY: Mm-hmm?
23 MR. SKAREDOFF: On one of those workshops, I do
24 have a manual from a previous one --
25 MS. MORLEY: Oh, okay, great. Thank you, Igor.

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1 That would be great. Thank you.
2 Okay. And then the last thing was on the
3 training, we contacted the extended-education professors
4 at Berkeley, and all of them are on vacation until
5 September except for one.
6 So we asked for a cost estimate for the one
7 professor that left to see how much it would cost if he
8 could do at least one or two, maybe not the whole thing.
9 We did contact Lenny Siegel from the Center for
10 Public Environmental Oversight, CPEO; and he said that
11 they don't really do that in-depth of a training, but
12 he's willing to come be a moderator and maybe
13 back-and-forth between the RAB if there's questions or
14 comments and do a half hour at the beginning on just
15 what the CPEO does and how they think RAB should be and
16 stuff like that.
17 So we have him on board, and we are probably
18 now goi- -- we did get a bid from one contractor that
19 was \$12,000 for a four-hour training, which is -- I
20 know, I thought that was too expensive too.
21 So we're looking at maybe having the EPA
22 toxicologist, DTSC; we are going to ask both of the
23 regulatory agencies if they have someone who's willing
24 to come do the training from the Water Board and
25 anybody -- and then we'll go to a contractor as our last

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1 step if we can't get anyone from the regulatory agencies
2 or the extended-education people at Berkeley.
3 So that's where we are in the training; and as
4 soon as we have someone -- someone to give the trainers
5 people, then we can start working on the day. So I just
6 wanted to give an update on that.
7 And with that, I'll turn it over to Joanna
8 who's going to talk about Site 22.
9 MS. CANEPA: Thanks.
10 Hi. My name is Joanna Canepa. I'm with Tetra
11 Tech. And as Theresa mentioned, I'm going to be talking
12 today about IR Site 22, talking about --
13 THE REPORTER: IR what? I didn't hear you.
14 MR. CANEPA: Site 22. There's also a handout
15 that accompanies my presentation which you can pick up
16 at the front if you don't have it already. It looks
17 like this [indicating]. So with that, I will get
18 started.
19 Oh, there we go. I got a little too ambitious.
20 Okay. So what I'm going to talk about today is
21 just a little bit of the history of the Site 22. I'm
22 going to talk about supplemental remedial investigation.
23 A draft of the supplemental remedial
24 investigation for the site was submitted in February.
25 This is what it looks like. If you are a RAB member,

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1 you should have received a copy.
2 We just submitted responses to agency and RAB
3 comments on June 16. So again, if you're in that group,
4 you should have also received responses to comments on
5 that document.
6 We're going to talk about what happens next
7 with the site, and I'm going to ask that you all hold
8 your questions to the end so we can address them then.
9 Okay. So this is a map that you're probably
10 getting pretty familiar with, hopefully. This is the --
11 this is the facility, the Naval Weapons Station,
12 Detachment -- Detachment Concord. This right here is
13 the Tidal Area sites. Remember, the Army is doing
14 active operations in the Tidal Area.
15 This is the Inland Area portion of the site.
16 And since 1999 the Inland Area of the site has been in a
17 mothball status. So there's not a lot of activity
18 occurring in this Inland Area.
19 Site 22, the focus of our top -- discussion
20 tonight, is located right along the border of the site
21 right down here.
22 Okay. So this is an aerial photograph. That
23 shows a portion of the Inland Area. Our site that we
24 are talking about tonight is this area right here
25 (indicating), that -- it's centered around

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1 Building 7SH5.
2 Another feature that I wanted to point out that
3 shows you the residential community that's just across
4 the boundary of the Navy property, this is the Dana
5 Estates community. There's also a high school where
6 they shot off the fireworks recently for the Fourth of
7 July holiday.

8 All of these boxes here comprise what's
9 collectively known as Magazine Area. This area -- All
10 these boxes are brass-covered munition magazines. They
11 were formerly used to store munitions and are currently
12 empty.

13 There's also these dark spots -- splotches
14 here. These are trees. This area was formerly an
15 orchard. And this is Seal Creek [indicating] where this
16 dark line is.

17 Okay. So talking about the history of Site 22.
18 Again, it's focused on that building I pointed out,
19 Building 7SH5, which was built in the mid 1940s when the
20 rest of the Inland Area was also developed.

21 And it was -- it was formerly used for missile
22 wing and fin repair, but it also had some other uses.

23 There was some small arms munition storage there also.

24 It's been undergoing CERCLA investigation since
25 the early '80s. And until recently the focus has been

1 on this building here, Building 7SH5. And the sources
2 that were looked for or evaluated that turned it into a
3 site where use of paints, things like degreasers and
4 paint thinners.

5 Remedial investigation was conducted in 1997;
6 and during that investigation, we observed that -- or it
7 was observed that there is elevated arsenic in the soil.

8 So to follow on to that, there was supplemental
9 sampling that was conducted just last fall in 2002 and a
10 supplemental remedial investigation that was submitted
11 in February to evaluate the arsenic in the soil.

12 Okay. So these are some photographs that show
13 you the build -- the building. This is Building 7SH5.
14 So there's a paved driveway that enters into the
15 building. This white thing right there, that's an
16 aboveground storage tank. It's currently empty.

17 This picture was probably taken in the winter,
18 because the grass is green. Now, this one was taken in
19 the summer, because it dries out in the summer, as you
20 all know, in this area.

21 This is another shot of the building. That's
22 the eastern side of the building. You can see that it's
23 surrounded by open grasslands.

24 This shot down here, this shows the Los Medanos
25 Hills. This shot is facing north.

1 And this right here is a -- one of those
2 munition bunkers that I was pointing out, those boxes in
3 the earlier slide. Here is another munition bunker, and
4 those are the trees that you saw in the aerial
5 photograph.

6 This shot was taken from standing inside a
7 drainage ditch. There's a series of drainage ditches
8 that surround the building. And so this is -- this is a
9 drainage ditch. This is the side of the drainage ditch
10 also.

11 So I'll show you a map in a couple more slides
12 that will show you where these drainage ditches are
13 around the building.

14 And then this last shot is facing the boundary
15 of the base. So if you're standing at Building 7SH5 on
16 17th Street facing south, that's what you would see,
17 the -- the residential community of Dana Estates. And
18 there are a network of railroad tracks that intersect
19 the site.

20 MR. MENESINI: Do these drainage ditches ever
21 get filled, or are they useful during the heavy rains?

22 MS. CANEPA: I've never seen much ponding in
23 the drainage ditches. I would -- I would imagine that
24 after a heavy rain event, they might pond for a little
25 bit and then probably flow into the groundwater.

1 But I want to ask that we hold future questions
2 to the end so that we can get through.

3 MR. MENESINI: I'm sorry.

4 MS. CANEPA: We have a lot to talk about
5 tonight.

6 MR. MENESINI: Sure.

7 MS. CANEPA: Okay.

8 Okay. So our objectives for doing a
9 supplemental remedial investigation were to first figure
10 out where the arsenic is in the soil, determine whether
11 it is coming from a man-made source or if it's naturally
12 occurring.

13 Arsenic is naturally found in the earth's
14 crust. So there are naturally occurring levels that we
15 know about at Concord.

16 And then to ecological risk assessment, a human
17 health risk assessment, finally to determine whether
18 there needs to be further action at the site or not.

19 Okay. So as I mentioned before, there were two
20 vest -- RIs to date for this site. One -- The first
21 one was in 1997.

22 During that original remedial investigation,
23 there were over 200 samples collected in soil at this
24 site, that those samples were analyzed for metals and
25 other organic chemicals, and there are almost 20 samples

1 collected for groundwater samples collected, and those
2 were analyzed for organic chemicals as well.

3 So in the fall of 2002 during the supplemental
4 RI, there were 43 samples collected for arsenic, and
5 those were collected at various depths, and no
6 groundwater samples were collected.

7 Okay. So this map I'm not expecting you to be
8 able to read it, but I just wanted to point out a couple
9 of site features here.

10 All of the pink dots show locations where those
11 samples that I was just talking about were collected
12 from. So this shows you the coverage of the sampling
13 that has occurred to date at the site.

14 The drainage ditches that you were asking
15 about, these brown lines here, these are the drainage
16 ditches.

17 This is Building 7SH5. This is the driveway
18 that you saw. That aboveground storage tank is about
19 right there. These again are drainage ditches.

20 So there's 17th Street here. These blue lines
21 here, these are railroad tracks.

22 Now, the Dana Estates is off -- off the map
23 over here.

24 Okay. So based on all of the sampling that's
25 been conducted to date at the site, all the metals and

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1 organic chemicals that were evaluated were below risk
2 benchmarks, and by that I mean EPA's residential
3 preliminary remediation goals. We talked about PRGs at
4 previous meetings.

5 So you might remember that those are just
6 per -- those are numbers put out by EPA that would be
7 protective of human health residents -- or human
8 residents protecting their health.

9 So all were below PRGs except for arsenic.
10 Arsenic exceeded PRGs in all samples collected from the
11 site, and lead exceeded the PRG in one sample.

12 Now, it should be noted that arsenic, as I
13 mentioned, is a naturally occurring metal in soil. So
14 the background level for Concord, the naturally
15 occurring levels, is above this PRG.

16 So at Site 22, the arsenic in the surface soil
17 is above the background level and the preliminary
18 remediation goal of PRG.

19 What we have observed also is: The
20 distribution of arsenic in soil doesn't appear to be
21 related to building activities near or at Building 7SH5.
22 If that were the case, we would expect the higher
23 concentrations to be near the building. That's not what
24 we observed.

25 We observed the higher concentrations in the

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1 open grassland areas of the site, which leads one to
2 believe that the likely source is a surface application
3 of a pesticide or herbicide that contains arsenic.

4 Okay. Again, I'm not expecting you to be able
5 to read details on this map, but I just wanted to point
6 out a couple of things.

7 As I mentioned, the highest concentrations of
8 arsenic were not observed around the building. In
9 surface soil, our highest concentration was over here.
10 You know, this area is separated from the building by a
11 ditch.

12 And other elevated -- more elevated
13 concentrations were in this region here, which is, you
14 know, across 17th Street and a couple of ditches. So
15 those are open grassland areas.

16 Okay. So now I'm going to switch gears and
17 talk a little bit about the screening-level eco risk
18 assessment that was conducted for the site.

19 So in an ecological risk assessment, you ask
20 the question, Are the chemicals in soil adversely
21 affecting the wildlife that live there?

22 So there have been previous surveys for various
23 plants and animals in the inland areas as a whole. We
24 reviewed those surveys and basically did an assessment
25 for the animals that are most likely to occur there.

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1 And these are a few of those animals. This is
2 the American robin. This is the red-tailed hawk. This
3 is the tule elk. There are about a herd of 45 tule elk
4 that live in the Inland Area. This is a western harvest
5 mouse. It's a rodent that's common throughout
6 California. And this is a gray fox.

7 Okay. So the first question you ask in a risk
8 assessment is, what animals are we concerned about? And
9 refer to these as assessment end points.

10 So the assessment end point that was selected
11 for this risk assessment was sufficient rates of
12 survival, growth, and reproduction to protect
13 populations of omnivorous birds, which are birds that
14 eat both plant and animal material; and the receptive
15 [sic] that we selected to represent that group was the
16 American robin.

17 Carnivorous birds are the birds that eat animal
18 material only, and the representative receptor for that
19 group selected was the red-tailed hawk.

20 Herbivorous mammals, those are mammals that are
21 eating vegetative material only, not -- no meats, and
22 they -- we selected two assessment end points for that
23 group: one, the tule elk, and a smaller one, the
24 western harvest mouse.

25 And the last one, carnivorous mammals, those

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1 are mammals that are eating primarily meat, and that was
 2 representative -- represented by the gray fox.
 3 Okay. So once we have identified what we
 4 want -- what we are concerned about at this site, we
 5 have to figure out how to measure effects to those
 6 assessment end points. We call that measurement end
 7 points.
 8 What we did for this site is: We did food
 9 chain modeling, and I'm breaking this food chain
 10 modeling into four steps. There's an EPA guidance that
 11 details how food chain modeling should be conducted.
 12 It's more involved than four steps, but I've simplified
 13 it for our discussion today.
 14 So the first step that you'd want to do is to
 15 estimate a site-specific dose that an animal would
 16 ingest from eating contaminated prey coming from the
 17 site. So you use the most conservative assumptions for
 18 this first step to calculate that dose. So that's the
 19 first stack in the screening-level assessment. You step
 20 the deck so that you find effects if they are there.
 21 And to do that, you have your soil
 22 concentration, a very simple model of this. You have
 23 your site-collected soil concentration, and you take
 24 your soil and calculate from the soil how much the
 25 contaminant might bioaccumulate into a worm. So this is

1 a model dose.
 2 And then from that worm, you calculate how
 3 much -- how much of a dose American robin might get from
 4 ingesting worms. That's another model dose.
 5 Now, this is the equation -- the basic equation
 6 to calculate that. I'm not going to walk through that
 7 today. But if you have any questions and would want to
 8 ask more about it, I'd be happy to answer that after the
 9 meeting tonight.
 10 So once we have estimated our site-speci- --
 11 site-specific doses, you take that dose, and you compare
 12 it to a benchmark. We call these toxicity reference
 13 values. And these are values in the literature that
 14 there are known effects at that concentration.
 15 So you calculate what's called a hazard
 16 quotient. So the hazard quotient is just a ratio from
 17 your daily dose divided by your benchmark value, your
 18 toxicity reference tier.
 19 Okay. Okay. And then once you calculated your
 20 hazard quotient, if it's below 1, that indicates there's
 21 little or no risk. If it's above 1, you take it a step
 22 farther. As I mentioned in the screening-level risk
 23 assessment, your first step is to stack the deck to show
 24 risk by using conservative assumptions.

1 is that, for example, one of our receptors is the tule
 2 elk. What we have used in the model was the maximum
 3 concentration we detected at Site 22, and we assumed
 4 that our tule elk was standing at that concentration
 5 eating only grass from that highest concentration.
 6 So we know that tule elk roamed throughout the
 7 Inland Area. So it's unlikely that they would be
 8 exposed to maximum concentration all the time.
 9 There are other conservative assumptions like
 10 that that deal with body weight and other exposure
 11 parameters.
 12 So Step 3 we do a refinement step to tailor the
 13 risk assessment and use more realistic exposure
 14 scenarios based on your site characteristics. And then
 15 lastly, you draw conclusions based on your risk
 16 estimates.
 17 So our preliminary conclusion -- again, this is
 18 a draft supplemental RI; and as I'll tell you about it
 19 in a few slides, there's additional data plans for
 20 collection at the site.
 21 So our preliminary conclusion was that there
 22 wasn't site chemicals -- that no site chemicals pose
 23 unacceptable risk to birds and mammals.
 24 Again, this will be updated based on new data
 25 that's collected -- that's planned for collection on the

1 site.
 2 Okay. Now I'm going to switch gears and touch
 3 on the human health risk assessment that was conducted
 4 on the site.
 5 It was a screening level of human health risk
 6 assessment. And again, in risk assessments, you just
 7 do -- you create a lot of ratios.
 8 So the first step is: You do a ratio of site
 9 chemicals -- that's whatever is in your site soil and
 10 groundwater -- and you compare them to the EPA PRGs,
 11 preliminary remediation goals.
 12 And we evaluated in the risk assessment two
 13 receptors: One was industrial worker, which in this
 14 case is base personnel. Assuming that they're working
 15 250 days a year at the site, they are there for 8-hour
 16 days.
 17 The second receptor evaluated was a future
 18 resident at the site, and that assumes that the resident
 19 is home for 24 hours a day, 350 days a year, including
 20 childhood, for 30 years. So that's -- that's the
 21 exposure period.
 22 The pathways that are evaluated are ingestion
 23 of soil, eating soil, dermal contact of soil, and
 24 inhaling particles and vapors from soil.

1 an excess lifetime cancer risk and risk for noncancer
2 hazards. That's everything besides cancer.

3 And EPA has a -- what they call a risk
4 management range for residual carcinogenic risk, cancer
5 risk; and that range is from 1 in 10,000 to 1 in a
6 million. And if risks that are calculated are within
7 that range, a risk management decision is warranted.

8 So risk management decision can be lots of
9 things. It can be, you know, that the site -- that the
10 site use can be -- should be limited, that the site
11 needs to be cleaned up and dirt hauled out, or that no
12 action is warranted. Can be a number of things.

13 For noncancer hazards, to calculate that hazard
14 quotient is to calculate its similar type of hazard
15 quotient as is -- as is used in eco risk assessments.
16 It's a ratio of soil or groundwater concentration
17 divided by the PRG.

18 And those are then summed for all chemicals,
19 and that generates a hazard index. And if your hazard
20 index is less than 1, then there's not potential for
21 noncancer health effects. If it's greater than 1, there
22 is a potential.

23 And usually, there's a segregated -- it's
24 called a segregated HI is -- is conducted, and -- and
25 that means you -- you look at chemicals individually to
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1 100,000; and the hazard index was .35.

2 So there's not noncancer effects, but 5.6 in
3 100,000 is within that EPA risk management range for the
4 industrial surface soil scenario.

5 If you look at all depths down to 10 feet, the
6 risk is 2.5 in 100,000; and the hazard index again was
7 below the threshold of 1 for the industrial receptor.

8 For the residential receptor, the surface soil
9 scenario was 1 in 10,000 excess lifetime cancer risk and
10 the hazard index of 1.9.

11 And all depths down to 10 feet -- actually, I
12 just realized I have an error in the slide. The tw- --
13 the 2 in 10,000 is surface -- excuse me. I just revised
14 it right before the presentation.

15 Two in ten thousand is the surface soil risk,
16 and one in ten thousand is when you look at all depths.
17 And again, the arsenic that we observed in the soil, the
18 most elevated concentrations are in the surface soil.
19 Hence, that was all.

20 So the conclusion is -- is, risk is at the
21 upper end to slightly exceeding EPA's risk management
22 range.

23 So a baseline human health risk assessment is
24 warranted. And what a baseline risk assessment is,
25 is -- it refines exposure parameters, and it answers
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1 determine which ones are driving the risk or
2 contributing most heavily. Using risk assessment jargon
3 here.

4 Okay. So the conclusions of the human health
5 risk assessment were that arsenic was identified as the
6 primary risk driver, and that accounted for almost a
7 hundred percent of the cancer risks that were
8 calculated.

9 So in the -- for the industrial scenario, there
10 was an ex- -- excess lifetime risk -- I should first
11 start off letting you know that we evaluated two soil
12 profiles in both industrial and residential scenarios.

13 The surface soil was -- it just included data
14 that was collected from the surface to half a foot below
15 the surface. So that's actually where the arsenic
16 concentrations were the highest.

17 And then a second analysis was done where we
18 evaluated surface data all the way down to 10 feet, and
19 that would account for if there's any earth movement,
20 earth-moving activities that happen at the site.

21 So the industrial risk for surface soil was
22 excess lifetime cancer risk. That means in excess of --
23 that means -- actually, I'm not doing a very good job
24 explaining it. Excess lifetime cancer risk is folks
25 that might get cancer that otherwise might not, 5.6 in
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1 additional questions that were raised at the
2 screening-level risk assessment.

3 And once that is -- That will be conducted to
4 complete the RI. Following the RI being complete, then
5 a feasibility study would be conducted. And what the
6 feasibility study does is: It evaluates options for
7 managing the risk.

8 Okay. Okay. So our conclusions overall for
9 the supplemental RI -- and again, I want to qualify
10 these, because this was a draft supplemental RI, and
11 there is additional data planned for collection at the
12 site -- that arsenic is the -- is the chemical of
13 concern in surface soil. The likely source of arsenic
14 is application of sodium arsenate in the late 1940s as
15 an herbicide.

16 The reason we belie- -- I -- I personally
17 believe that arsenic -- sodium arsenate is the source is
18 because we came across some newspaper articles that
19 indicate that the Navy had applied this chemical to
20 portions of the Inland Area, Magazine Area, as an
21 herbicide in the -- in the '40s when that application
22 was legal.

23 A couple of data gaps were identified. One was
24 that metals, primarily arsenic, in groundwater has not
25 yet been evaluated. So that's the data that still
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1 remains to be collected.
 2 Another data gap is that we should do a
 3 reanalysis of organic chemicals in groundwater, and that
 4 includes some of the organic chemicals that had been
 5 analyzed and pesticides which not -- which have not yet
 6 been analyzed at the site.
 7 Preliminary conclusion based on the data so far
 8 is that there was not in -- unacceptable risk shown to
 9 ecological receptors.
 10 And finally --
 11 MR. SKAREDOFF: I'm not going to ask a
 12 question. Just a clarification.
 13 MS. CANEPA: Okay.
 14 MR. SKAREDOFF: If you analyze it for organic
 15 chemicals in groundwater, am I correctly understanding
 16 that this can be done so that you're also going to
 17 analyze for pesticides which previously had been
 18 analyzed?
 19 MS. CANEPA: Correct.
 20 And the final conclusion was that the cancer
 21 risk in soil are with the upper -- within the upper
 22 limit to just exceeding the upper limit of EPA's risk
 23 management range for industrial and residential
 24 scenarios, and the site risks are attributable to the
 25 arsenic primarily in the surface soil.

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1 Okay. So the recommendations for the site were
 2 to collect additional soil from the Magazine Area to
 3 characterize the lateral extent of arsenic in surface
 4 soils and to collect some pesticide data for the site.
 5 Now, the -- we know that concentrations are
 6 elevated at Site 22. We don't know if those
 7 concentrations represent the large Magazine Area or not.
 8 So that's what the sampling objective would be, would be
 9 to determine whether the sa- -- concentrations at
 10 Site 22 are representative of a larger area or not or if
 11 that's a localized instance.
 12 Secondly, a recommendation included in the RI
 13 was to collect site groundwater samples for metals;
 14 VOCs, volatile organic compounds; and SVOCs,
 15 semivolatile organic compounds, and pesticides.
 16 Last recommendation would be that the
 17 supplemental RI be revised to include this planned new
 18 data and use this data also to do a baseline human
 19 health risk assessment, which is a more detailed risk
 20 assessment than the screening level would be.
 21 Okay. So what's next? The draft sampling
 22 analysis plan for the additional data that we have been
 23 talking about -- that I've been talking about is a work
 24 in progress. It's due to the RAB and the agencies
 25 August 15th, so about a month from tomorrow.

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1 Additional sampling is planned for early 2004,
 2 and that allows for the sampling plan to have several
 3 reviews and get approved.
 4 Following the data collection, the RI would be
 5 completed, and then a feasibility study to evaluate
 6 options would be conducted.
 7 And that is all I have for this site. So if
 8 you have any questions, I'd be happy to answer them.
 9 (No verbal response elicited.)
 10 MS. CANEPA: All right. Thank you.
 11 Oh? I thought I was getting off easy.
 12 MR. SKAREDOFF: I was trying to write them down
 13 so I'd remember them later.
 14 You mentioned there was going to be some
 15 resampling done to determine lateral extent for the --
 16 MS. CANEPA: Correct.
 17 MR. SKAREDOFF: -- contamination?
 18 How much --? How wide --?
 19 How big an area is this going to cover?
 20 MS. CANEPA: That's a good question, and that's
 21 a question we are grappling with currently.
 22 The status of this progress, as we mentioned,
 23 we had a meeting about three week -- was it two weeks
 24 ago?
 25 MR. RAMSEY: The 30th.

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1 MR. ATTENDEE: It was on the 30th.
 2 MS. MORLEY: It's on the 30th.
 3 MS. CANEPA: -- on the 30th to discuss that
 4 very issue with the agencies. And that's what's in
 5 progress is determining the size of the area that would
 6 be investigated.
 7 MS. MORLEY: Yeah.
 8 MS. CANEPA: What's likely going to happen is
 9 that a grid be drawn and a representative area be
 10 selected to r- -- to represent what would be a typical
 11 Magazine Area, and sampling would be done within a
 12 subset of the Magazine Area.
 13 MR. SKAREDOFF: In the area that you did
 14 sample, is there any kind of pattern? Was it, like, on
 15 the edges of the ditches, or any particular pattern show
 16 up as to where the most concentrations --?
 17 MS. CANEPA: Actually, the most elevated
 18 concentrations were -- weren't in the ditches, which
 19 surprised me. They were -- they were in the open
 20 grassland areas kind of on -- kind of on hills. That
 21 high concentration, I pointed out, that was -- it was
 22 east of Building 7SH5. That is a soil mound. So I --
 23 there's not a pattern that it's higher in the ditches.
 24 It's --
 25 MR. SKAREDOFF: -- anywhere in particular.

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1 MS. CANEPA: Right. We are still looking for
2 patterns. But it -- the main pattern is that it's
3 primarily in surface soil.
4 MR. MENESINI: There was a cluster, it had
5 appeared to me, of high concentration areas along the
6 perimeter. That was not a ditch?
7 MS. CANEPA: No. I can actually go back to --
8 MS. MENESINI: You pointed it out.
9 MS. CANEPA: I hope I'm not making you guys
10 dizzy with this.
11 MR. MENESINI: No -- yeah.
12 MS. CANEPA: Some of the --
13 MR. MENESINI: Here it is.
14 MS. CANEPA: -- more elevated concentrations
15 were right here.
16 MR. MENESINI: Right there. That's --
17 MS. CANEPA: Right. This -- this actually is a
18 grassland area.
19 MR. MENESINI: All right.
20 MS. CANEPA: So the ditch, this is a ditch
21 right here [indicating].
22 MR. MENESINI: Oh.
23 MS. CANEPA: There is a better map that shows
24 it; this map makes it better.
25 So the -- the ground is a ditch. There's a

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1 railroad here, and this is a street [indicating]. So
2 there is a ditch down here, but these were in open
3 grassland.
4 MR. SKAREDOFF: Had they been using this to
5 keep the grass from growing at railroad tracks perhaps?
6 MS. CANEPA: That's a potential source. And
7 the article that we came acro- -- that I came across
8 indicated it being sodium arsenate being used as a
9 herbicide to control weeds. So . . .
10 MR. SKAREDOFF: I had another question on -- on
11 the slide that where the robin and the worm?
12 MS. CANEPA: Uh-huh.
13 MR. SKAREDOFF: No, not that one.
14 MS. CANEPA: Okay.
15 MR. SKAREDOFF: I just wanted to try to follow
16 the reasoning here, see if I play it back to you, see if
17 it's reasonably accurate.
18 MS. CANEPA: Okay.
19 MR. SKAREDOFF: You me- -- measured how much is
20 in the soil --
21 MS. CANEPA: Right.
22 MR. SKAREDOFF: -- then you use a calculation
23 to predict how much the worm is going to accumulate.
24 MS. CANEPA: Right. It's called a
25 bioaccumulation factor.

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1 MR. SKAREDOFF: Okay. Then you use another
2 factor to predict how much the robin is going to
3 accumulate from eating the worm.
4 MS. CANEPA: That's not a bioaccumulation
5 factor. Basically -- okay. So it's a very simple
6 equation to figure out what's in the soil. You --
7 There's literature values that are called
8 bioaccumulation factors that are -- it's just a number.
9 So you take your soil concentration times that
10 number for arsenic. I know the uptake to plants happens
11 to be .04. So you take the concentration times .04, and
12 that gives you a concentration that would be in the
13 plant.
14 So there's different concentration -- Worms
15 take up arsenic at different rates. So you --
16 MR. SKAREDOFF: So it's the first term, the IR
17 soil times soil?
18 MS. CANEPA: Actually, the bioaccumulation
19 factor feeds into this prey.
20 MR. SKAREDOFF: Okay.
21 MS. CANEPA: So to get the prey -- this -- this
22 equation gets more complicated. That is the most simple
23 form.
24 But to get this number, you times the
25 bioaccumulation factor times soil; and that equals your

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1 prey --
2 MR. SKAREDOFF: Okay.
3 MS. CANEPA: -- concentration.
4 MR. SKAREDOFF: And then how do you calculate
5 what goes into the robin?
6 MS. CANEPA: So your robin is eating this. He
7 might be also eating -- It's not just worms that they
8 eat. They might be eating other things. So you might
9 have a couple of prey concentrations it's eating.
10 And then as birds and most things forage,
11 animals forage, they do take up some soil directly.
12 So you calculate what portion of soil they
13 might be taking in when they are eating, what portion of
14 arsenic they -- or whatever chemical they might be
15 getting that's in the worm, and then you add all of that
16 up, and you times that times what's called -- this is a
17 site-use factor. Basically, for a screening-level
18 assessment, we assume --
19 MS. SKAREDOFF: Utility factor.
20 MS. CANEPA: Yeah, we assume that the --
21 basically tells you what portion of the time your
22 receptor is on site. We assume they are on site a
23 hundred percent of the time.
24 So for this assessment, it was 1. If we assume
25 they were there half of the time, it would be .5.

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1 MR. SKAREDOFF: So from that you end up with a
2 number for the robin?
3 MS. CANEPA: For that you end up with a daily
4 dose for the robin. You take that number, and you go to
5 the literature and you compare that with the toxicity
6 reference value. You divide it by that, and that gives
7 you your hazard quotient.
8 MR. SKAREDOFF: And so for the robin, it ended
9 up less than 1?
10 MS. CANEPA: For the robin, the -- these
11 calculated with a high tier, we ended up less than 1,
12 right.
13 MR. MENESINI: Why don't you do some direct
14 blood chemistry on some of these?
15 MS. CANEPA: That's a great question, and
16 that's actually what we were talking about before you
17 arrived. It's always better to directly measure what's
18 in the prey --
19 MR. MENESINI: Right.
20 MS. CANEPA: -- 'cause every time you model,
21 all the models are conservative. So you're
22 overestimating risk mostly. There's some uncertainties
23 also associated with that. So it's better if you can
24 directly collect tissues from all of that.
25 MR. MENESINI: Exactly.

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1 MS. CANEPA: So that's --
2 MR. SKAREDOFF: Or of the robin.
3 MS. CANEPA: I have worked on a site where
4 birds were collected, but it was because peregrine
5 falcons were eating those birds.
6 MR. SKAREDOFF: The red-tailed hawks would eat
7 the robins in this case.
8 MS. CANEPA: Yeah. No, I doubt it.
9 MR. SKAREDOFF: Okay. So I guess the same sort
10 of pattern would apply to the soil, mouse, the fox, that
11 same kind of a --
12 MS. CANEPA: Right.
13 MR. SKAREDOFF: You worked it all out. All of
14 them are less than 1?
15 MS. CANEPA: Using the high tier to eat, right.
16 MR. SKAREDOFF: High tier?
17 MS. CANEPA: There's two tiers. There's a low
18 and a high. A high is a low-effects level, which is the
19 lowest threshold that you can observe effects; and the
20 low is a no-effects level. That's means -- That means
21 no effects.
22 MR. SKAREDOFF: So there's a known level which
23 there are no effects at all.
24 MS. CANEPA: Right.
25 MR. SKAREDOFF: There's another known level

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1 which you just -- you were referring to.
2 MS. CANEPA: The first concentr- -- The lowest
3 observed effects level.
4 MR. SKAREDOFF: -- is greater.
5 MS. CANEPA: Right. It's the lowest observed
6 effects level. So it's basically the lowest
7 concentration where in the literature they observe
8 effect.
9 MR. SKAREDOFF: So it could be levels below
10 that, but it could still be effects? Because --
11 MS. CANEPA: There could be, exactly. And
12 basically, part of the risk assessment is to -- when
13 there is that gray zone, look into your assumptions and
14 look into factors like bio availability.
15 If a -- if a bird is eating soil, not all of
16 that might -- might -- not all of that chemical in the
17 soil might be taken up by the bird. There's a certain
18 amount of --
19 MR. SKAREDOFF: Some of it passes through.
20 MS. CANEPA: -- interpretation of it.
21 MR. SKAREDOFF: Okay. On slide 16, you talked
22 about human health risk assessment?
23 MS. CANEPA: Mm-hmm.
24 MS. SKAREDOFF: There was a -- For the future
25 resident, if they were there all the time and, you know,

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1 the way they would be exposed would be to inhale soil?
2 MS. CANEPA: Or they'd plant a garden, or they
3 are eating dirt; they're a child.
4 MR. SKAREDOFF: That was my question. If they
5 planted a garden and they ate a zucchini from the
6 garden, would there be any different exposure than if
7 they --?
8 MS. CANEPA: The PRGs incorporate uses like
9 that.
10 MR. SKAREDOFF: They do?
11 MS. WILLIAMS: Any other questions?
12 (No verbal response elicited.)
13 MS. WILLIAMS: Okay. Let's take our break.
14 Thank you, Joanna.
15 ATTENDEE: Thank you, Joanna.
16 (Applause.)
17 MS. WILLIAMS: We have got a ten-minute break.
18 (Recess 7:33 p.m. to 7:43 p.m.)
19 MS. WILLIAMS: Excuse me. Can --? May we get
20 started, please?
21 MR. SMITH: Yes, ma'am.
22 MS. WILLIAMS: Thank you.
23 MS. MORLEY: With no announcement, here is
24 Steve Tyahla.
25 MR. TYAHILA: Everybody back? Trying to hide in

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1 the bright light here?
2 MS. MORLEY: You don't have to be nice.
3 MR. TYAHLA: How come it's so hot? Okay. I
4 didn't --
5 MR. SKAREDOFF: Did you get all healed?
6 MR. TYAHLA: I -- well, yeah. As you see, I'm
7 rid of cast or rid of sling but still a bit of therapy
8 twice a week, and I think my hockey days are over. So
9 San Jose Sharks, I'm sorry, will have to do without me.
10 MR. MENESINI: Take up Rugby.
11 MR. TYAHLA: I think it's going to be
12 full-contact crochet from now on.
13 So anyway, I'm on the hook to talk about the
14 Site Management Plan, and you probably all got it in
15 your mail, the draft annual addendum Site Management
16 Plan.
17 I think by now you all know who I am. There's
18 a little delayed reaction there, isn't there. So Joanna
19 outteched me.
20 So what I -- what I want to do is pitch this --
21 this is outline of the things I want to cover. It's
22 five items plus I show here, but the summary -- I'll go
23 over summary slide.
24 I want to talk a little bit about the Federal
25 Facility Agreement and what requirements that has for
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1 our Site Management Plan, which I'm going to refer to as
2 the "SMP" most of the time, current status of our SMP.
3 I was going to do a review of the IR process,
4 but I think most of you have probably been through that
5 before, so I just might give it a real, real quick
6 glance -- glance-over later on. It's on this chart
7 here.
8 I want to talk a little bit about the document
9 review process that we go through as we put out draft
10 reports and draft final reports and all that. And FFA
11 referred to it as "consultation," by the way.
12 Then I want to go through just a little bit of
13 a review of a sample site in the current Draft Annual
14 Amendment for the SMP mainly to show you when you see
15 that table to kind of go over a couple things so you
16 know what you're looking at. I'm not going to go
17 through a whole schedule detailed or anything like that
18 fancy transition.
19 Okay. What does the FFA say about the SMP?
20 Well, I'm not going to read all these to you, but I want
21 to highlight a couple of key points. These are bullets
22 brought out of the Section 2 of the FAA.
23 And throughout this presentation, you will
24 probably see parenthetic referrals to sections that's
25 referred back to the FFA, but is a planning document;
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1 and the second bullet there, "contains timetable, plan
2 or schedule." To me that's the heart of it. I refer to
3 it mostly as our schedule. That's our schedule for the
4 cleanup program.
5 So as any schedule, it gives you the dates and
6 sequence of events. So it's in a step-by-step fashion.
7 And to me the most important thing is the
8 management tool. It's a way for us and the regulators
9 to manage our whole program.
10 And matter of fact, to help make it a better
11 management tool when I did this update, I put it into
12 some project management software that allows us to
13 update it in this program that will update subsequent
14 dates when you have a sequence of things that are
15 connected. Now, I'll talk a little bit more about that
16 later on.
17 It's also part of the FFA. The orig- -- the
18 original SMP is part of the FFA. It's an appendix, and
19 the FFA does require us to do these annual amendments.
20 It's a primary document which primarily means
21 the most important thing is that it is subject to
22 dispute resolution clause, the FFA.
23 Milestones in a final SMP -- we will talk about
24 how it gets finalized, but milestones in the final SMP
25 stay unchanged unless we go through the extension
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1 process in the FFA. And they, you know, obviously,
2 reflect -- when we are developing the SMP, they reflect
3 the parties agreed to by the FFA parties which
4 technically the FFA parties really refers to the Navy
5 and the EPA. There are two signatures to the Federal
6 Facility Agreement.
7 But keep in mind that, you know, we don't work
8 in the dark with -- with the Regional Water Quality
9 Control Board or DTSC. We all work together on
10 developing the SMP and everything we're working on the
11 program.
12 Just to run through a couple other requirements
13 for the SMP, and you can tell this thing's written by a
14 lawyer because there's a lot of detail in it, and this
15 is just some of the highlights.
16 You know the draft amend -- Draft Annual
17 Amendment was due out Friday, the 15th. That's right
18 out of the FFA. That's why we send it out on the 12th.
19 As we develop it, we consider both budget and
20 risk plus other factors they call in the FFA, but
21 basically, you know, what sites are m- -- are riskier
22 ecologically human healthwise, and that's where our
23 money is prioritized in general. And right now I think
24 our SMP really reflects that.
25 And part of the reason for that is: While we
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1 are developing this draft amendment, you know, the FFA
2 says we should offer to meet with the other parties to
3 discuss it. Well, of course, when we -- almost do that
4 naturally.

5 But I met with the agencies on the 26th of
6 March. If you remember, when I started, it was the 10th
7 of March, so that was the top priority, and that was
8 part of my kind of indoctrination meeting with the
9 regulators.

10 Also, on the 16th of April, we had a separate
11 meeting about it.

12 And then very lastly, before I sent out the "D"
13 [sic] draft amendment, I had a conversation with Phillip
14 Ramsey from the EPA to fine-tune it, go over some
15 last-minute details.

16 So like a lot of things I've been trying to do
17 in this whole program, I'm really trying to involve the
18 regulators as much as possible regardless of what the
19 FFA says. I just want to keep them involved. It is a
20 key management tool; and as it says there, you know, we
21 submitted it on the 12th.

22 So what's the status of it? It's out there.
23 And oddly enough, it's -- the review cycle is really up
24 today. It's a draft document. The FFA only gives it a
25 30-day review cycle.

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1 And I did get comments from the EPA, and they
2 aren't very extensive, because I think we did a good job
3 of covering a lot of the details when we were developing
4 it. But there are some issues there that -- some things
5 that since the draft came out that we need to talk about
6 and -- and resolve and correct in the draft final, you
7 know.

8 The second bullet, well, that's out of the FFA;
9 but, you know, another thing you do naturally. I'm sure
10 we will be meeting within the next 15 days. Probably
11 how we will work, I'll go and take a shot at revising it
12 and make arrangements with the agencies to sit down and
13 discuss any changes with them before we go to the draft
14 final, which is due on the 13th of August.

15 Now, an interesting thing I saw on the FFA was
16 that it becomes final only 21 days after Congress
17 appropriates the funds. So it's going to be a draft
18 final document for a while, this annual amendment,
19 until, like, we get FY04 budget in place, which will be
20 late FY03, if not early fiscal year '04; and the fiscal
21 year for the federal government starts at 1 October.

22 So it's -- that "but, implement the draft
23 final," well, that is not Stevie saying that. That is
24 the FFA saying that. So that almost goes without
25 saying.

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1 Now, is there any here -- anybody here that's
2 really not familiar with the whole installation
3 restoration process, how we go from preliminary
4 assessment remedial investigation feasibility study, et
5 cetera? Everybody feel like they have been through
6 that?

7 MR. SKAREDOFF: I wo- -- I wouldn't mind if you
8 just kind of walk us through it one -- one more time.

9 MR. TYAHLA: Can I do it real fast?

10 MR. SKAREDOFF: Sure.

11 MR. TYAHLA: I'll do it real fast; and if you
12 have questions on it -- I've been doing this for
13 Segment 2 -- I can probably explain it to you in detail
14 that you won't want to hear.

15 But this chart, is, you know, the graph that we
16 put up here every -- every meeting and good thing to
17 talk to, but I'll go off this screen for now.

18 Starts off: Preliminary assessment site
19 inspection, PASI. That's when we first do a record
20 review of a site, like -- that's -- a preliminary
21 assessment, the PA, is a record search. It's a record
22 review of what you know of a site.

23 Site inspection, SI, that's when we first take
24 a sample of the site, thinking, well, we think there's
25 something there; we aren't sure. That's the way to

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1 confirm there's something there.

2 You roll over to remedial investigation.
3 That's the one that characterizes the site. Site, it
4 really gives you the extent of what's there, where it
5 is, and what it is. That is really important because
6 that's what you build your -- your risk assessments on.

7 Once you have -- you know, really characterize,
8 you get your feasibility study; and hopefully, you have
9 enough information to say, well, how how can you clean
10 it up?

11 From there you come up and develop -- From the
12 feasibility study, you pick a preferred alternative, and
13 that can go in the proposed plan.

14 And after your proposed plan's out for public
15 review, you write a Record of Decision. The record of
16 rescission -- Record of Decision arrived will include a
17 responsiveness summary as to comments beyond the
18 proposed plan. A lot of times I call it a PRAP, a
19 proposed remedial action plan.

20 After you do that, once you have your decision
21 reached and you have a signed ROD, well, that's a matter
22 of remedial design, remedial action due to clean up. If
23 you still leave things on site, contaminants on site,
24 you just can't get them all for whatever reason, you'll
25 do long-term monitoring, most likely, and -- and then

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1 you get into a five-year review process.
2 That's in a nutshell a real quick --
3 MS. MORLEY: There's a copy of that in your
4 CRP.
5 MR. TYAHLA: But if you ever -- if anybody ever
6 has any questions about some of the details of that,
7 tangents that come off, things like that . . . but in a
8 nutshell, that's the process.
9 And the reason I wanted to include that is
10 because I want to talk now about the document review
11 process.
12 And for every one of these sites, we are
13 following that RI process. So all the documents we
14 produce are related to this. So it's one step of this
15 process, one -- one way or the other. Although we may
16 go through a couple of iterations of RIs or add a
17 supplemental one, it's still part of that same general
18 process.
19 First part of reviewing documents in our SMP
20 is, you know, first of all, what kind of document is it,
21 and that's why I want to go over it to show you what the
22 review cycle's really all about.
23 You know, first thing we decided, is the
24 primary or secondary document put into the FFA? Well,
25 on the left side here indicates what a lot of primary
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1 documents are. They are the obviously ones in my mind,
2 like real site specific, how -- investigating a site,
3 writing a report on a site when it's done being
4 investigated.
5 But it includes the Site Management Plan. As I
6 said before, it is a primary document, makes it -- makes
7 it subject to dispute resolution.
8 Secondary documents, a lot of support documents
9 that go into primary documents later on, generally. I
10 don't want to get into much more detail than that. I
11 keep forgetting how to do this now.
12 Now, primary document review site, starts at
13 the top. Once we know it's a primary document, you get
14 the draft remedial investigation work plan, as an
15 example. Typical review period is 60 days. That is the
16 agency review period. That's the public review period.
17 That is the time period.
18 I really don't see any, you know, real need for
19 anybody, like, to submit, like, a formal request for an
20 extension. That's the schedule we're trying to stick
21 to.
22 If we ever -- If the Navy ever gets comments
23 in and they are, like, a couple days late or the rule
24 length process, the Navy's always going to do --
25 whenever we get comments, we are going to do the best we
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1 can to incorporate whatever comments we get.
2 Some review cycles, like for the Site
3 Management Plan, are different than that. And the
4 FFA -- you know, that's referencing one section of
5 dirt -- there are exceptions. One of them is the SMP.
6 It's a 30-day review cycle.
7 When you get in remedial design, it shortens up
8 a little bit because the FFA recognizes that certain
9 things really got to go more real quickly because you're
10 putting bid packages together and putting contracts out.
11 So once we get those review comments by the
12 agencies, that second and third block down [indicating],
13 we prepare our -- we prepare our response to comments
14 and a draft final at the same time; and we have 60 days
15 to do that.
16 And once we send that in, then the agency --
17 agencies have 30 days within which to review that. And
18 if they decide for primary document that there's
19 something they still don't agree with, they can invoke
20 informal dispute and try to resolve with us.
21 But generally what they will do first before
22 you get to this is kind of informally talk to us and
23 say, well, we have an issue with this or something to do
24 about it, fix it now, some things you can almost address
25 in response to comments and change that.
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1 But generally, I think with the regulators
2 doing a good job, they're trying to resolve things
3 almost before it gets to this in there. But if we get
4 to something that would be sent out, a draft final,
5 there's enough stuff, like, not agreed with, they will
6 vote informal dispute resolution and -- otherwise, it
7 would become final document in 30 days.
8 Draft finals become final. We don't change it
9 at all. We don't send out a new cover or anything like
10 that. Just becomes the new final.
11 Secondary review cycle: The only real
12 difference between this and the primary document review
13 cycle is the fact that we don't produce from the draft a
14 draft final -- or I'm sorry. We don't -- we don't --
15 yeah, we don't produce another document. It gets
16 incorporated into the draft final primary document, you
17 know, because a lot of times it's a feeder, like it
18 could be an Ecological Risk Assessment that will feed
19 into a primary -- primary remedial investigation.
20 So this gets incorporated that way. That's the
21 main difference. Plus, the secondary documents aren't
22 subject to dispute resolution.
23 Dispute res- -- okay. If informal --
24 rescission dispute resolution's invoked by typical --
25 give us a letter saying, you know, we have issues with
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1 this draft final. Well, this is what they are. We'd
2 like to invoke informal dispute resolution, cite the
3 appropriate sections.
4 And basically, what that does, that formally
5 starts the trigger to get us together, gets the project
6 manager and sometimes the pro- -- you know, project
7 manager is being those in this room right now, myself,
8 Phillip, Jim, Laurent and in some situations where we
9 think it's necessary or helpful, our immediate
10 supervisor, especially if it's maybe an issue that might
11 be crossing more than one site or something that's a
12 longer history. But the idea is to get together and
13 talk about try to resolve it informally.
14 And a lot of times the result will be we end up
15 revising what was our draft final document. And there
16 is a schedule in there for after we resolve the dispute
17 to actually come up within 21 days put out a revised
18 document and generally be a final. You make your
19 corrections.
20 Otherwise, you go to formal dispute resolution,
21 which there are two slides in here. You're not even
22 going to get a chance to read this, because if we ever
23 get to that point, that's one of them; it's in -- it's
24 in the handout, and that's the other one.
25 But it gets into the details a little more

1 about we went to formal dispute resolution, and the key
2 there is all of a sudden the people making the call on
3 what you do next. It's not me. It's not Phillip. It's
4 not Jim. It's not Laurent. It goes up the chain.
5 And the next step up the chain for, like, the
6 Navy would be, like, the C.O. of EPA West, the
7 organization I work for.
8 So the next thing I want to do is -- you know,
9 everybody should have gotten the Site Management Plan
10 that's on the RAB. And generally, I want to just go
11 over a couple things on the table. Looks a lot like the
12 old Site Management Plan schedule, but might be a couple
13 nuances there I wanted to point out. And if you follow
14 along. I'm just going to go across the column headings
15 left to right.
16 So the first one is the ID, if you can read
17 that. But -- and it just has, you know, the whole base
18 schedule in a row. It just goes from 1 to whatever, and
19 it's just a list by row of what that activity is in the
20 second column. It calls it "Task Name," a lot of times
21 called an activity. But that's just giving you the --
22 you know, an order of them would be just list the whole
23 thing the way it was originally produced.
24 But what it does, though, it gives me
25 identifier if I ever sort this in the software so I can

1 refer to the line item. That line item will stay the
2 same. It just -- It really helps me when it comes down
3 to talking to schedule up the regulators and, you know,
4 what line I want to change or adjust.
5 The third column, "Calendar Days," that's
6 really our duration of those activities. So we're
7 saying, like up on this third line down, "Agency
8 Comments on Draft Supplemental IR Report, 63" days -- it
9 says "edays" there because it's elapsed days. It's
10 calendar days.
11 And you're wondering why it's 63 days, and it's
12 not 'cause I just made it up, although sometimes I do
13 make -- no.
14 But in the schedule, we have a lot of days that
15 were, like, following on, you know, Sundays because of
16 the days or whatever a standard review time was; so we
17 just have a little gentleman's agreement just make it
18 the following Monday, just get it off that -- you know,
19 get off that weekend day.
20 The start and finish date is pretty obvious
21 what they are, start and finish it.
22 "Predecessor" is a new column for you folks,
23 I'm sure. And what that really is telling you is --
24 there's a number in it. Well, that number matches up
25 with what an ID number is for the activity that just

1 precedes it.
2 So, for instance, if you look on fourth line
3 down, it says, "Prepare a Response to Comments on Draft
4 Supplemental RI Report," which is a Navy activity. It
5 says the preceding activity should be "198," which is
6 agency makes their comments on the Draft Supplemental RI
7 Report.
8 What this is a really -- Where this is really
9 important is in the software. This is telling my
10 software that that has to finish for the next one to
11 start. And if I change that finish date, it's going to
12 change the date below it that are connected to it.
13 It's a great management tool. If you ever do
14 serious project management, you're going to use
15 something like this. It so happens we're using
16 Microsoft Project Planner, if you're just curious about
17 what software it is, but there are other things out
18 there.
19 Another column we added was the "Action Party,"
20 what agencies, you know, has responsibility for that
21 activity. So it's either the Navy or generically
22 "Agencies."
23 Benefit to that is: I gave agencies couple
24 different sorts of this whole schedule, and one of them
25 was a sort that listed their items first so they could,

1 I like, look at this list and see, oh, okay, we got to
2 worry about doing this here, here, and here right in a
3 row. Just a handy way to sort, you know, this and make
4 this a better tool.

5 The last column tells me it's a "Primary or
6 Secondary" document.

7 So that's basically it. That's just a sample
8 of what you're looking at. And again, if anybody has
9 any questions on it, just give me a holler.

10 Summary: Key points I really wanted to bring
11 out in this was, you know, it's prepared -- this -- the
12 annual amend -- the annual amendment is prepared
13 according to the FFA. So it gives us a chance to go and
14 see how we are doing, kind of plan for the next fiscal
15 year, and most importantly to do it in concert with the
16 agencies -- I should have put that back up here -- or I
17 did, okay -- "collaboration with the regulatory
18 Agencies."

19 "Priorities are based on risk as well as
20 funding." So the way I look at this is: First thing a
21 rule to look at is: What are my worst sites? And
22 that's, like, when we're -- first discussions I had with
23 the EPA, DTSC, and the Water Board.

24 Based on that, you know, that's going to drive
25 where your funding's going to go. And it is a

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1 should be it.

2 (A feigned snore is heard.)

3 MR. TYAHLA: Yeah, it's dry stuff. But if you
4 ever do want to call a question -- or question on this,
5 how this process works over here, you know, things that
6 aren't shown here, like the removal actions, you know,
7 that kind of stuff, I'll be glad to go over it for
8 anybody.

9 Okay. Now that you're all asleep . . .

10 MR. RAMSEY: Can I just -- just a comment?

11 MR. TYAHLA: Sure, please.

12 MR. RAMSEY: Since I believe what you're going
13 to do in a little bit now is you are going to go from
14 the SMP to what's happening, right, through the RPM
15 update, you are going to present kind of what's
16 happening over this, like what's on the table --

17 MR. TYAHLA: Yes.

18 MR. RAMSEY: -- in the next few months to kind
19 of also --?

20 MR. TYAHLA: Yeah. I didn't it bring up, but
21 yeah.

22 Like we were talking about before, I definitely
23 want to go through the RPM update, and I want to go
24 through -- the current list we have out now with a
25 current document review list, that's where we are at

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1 management tool. It is probably the single most
2 important document I have on my desk.

3 That is it. I have a binder for it. I mark it
4 up. And it's going to continually get updated as we go.
5 There might be things changing. And I know already,
6 between this draft and the draft final, there's going to
7 be some edits I'm going to making when working with the
8 agencies.

9 So the last bullet there, it's a "dynamic
10 tool." Things are going to happen we're not going to
11 know about. We're going to kind of a -- Site 22 we're
12 going to find arsenic where we didn't expect to find it,
13 and we are going to end up going back. And I'm going to
14 go back to the agencies and say: "Well, you know what?
15 We had a RI find here, but we've got to do more
16 fieldwork before we do the FS."

17 And that's what happens with it. So it's going
18 to change. And as it changes and we -- we update it,
19 it's going to go out to everybody.

20 My plan is going to be to not only just ask for
21 extension requests when we need them or modifications,
22 but to regenerate this thing so people have a current
23 road map for what we're going to do.

24 I think that's everything I wanted to cover.

25 So is there -- are there any questions on this? That

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1 now. So I will highlight some of -- items on there.
2 But especially for things that are out for review,
3 that's what we want to track on, you know, for the
4 immediate time so you know what's out there for review.

5 So don't just pick this up and ignore it. Best
6 thing to do is go through it and look at what's being --
7 what's out there, what's coming out for review, and
8 what, you know, due dates are for review comments.

9 And this sheet also says, now that -- now that
10 Theresa handed it to me, the "Document Tracking
11 Schedule." Handy name.

12 But a lot of times it says here, like, "None
13 required" under "Agency and RAB Comments Due." Well,
14 you'll see "None required" where it's a draft final
15 document or if it's just Response to Comments. But
16 generally, if you see "None required," a lot of times
17 draft finals will become final in 30 days unless there's
18 a real issue. Like I said, the agencies and the Navy
19 will try to work those out informally if technically
20 possible.

21 But this is the thing to check every time you
22 come to these meetings and keep track of what's going to
23 be out for review. And my hope is that with this
24 schedule, we will try to really stay on it, you know.
25 It's my road map.

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1 Is that right, Phillip? I'll highlight some of
 2 these other things more.
 3 MS. MORLEY: Thank you, Steve.
 4 MR. TYAHLA: Sure. Thank you. I didn't get
 5 applause.
 6 (Applause, 8:05 p.m.)
 7 MS. WILLIAMS: Okay. Now we're going to move
 8 into committee reports and announcements. Are there any
 9 RAB reports?
 10 (No verbal response elicited.)
 11 MS. WILLIAMS: Nobody. Okay. With that, we'll
 12 go ahead and --
 13 MR. SKAREDOFF: I just have a piece of general
 14 information. It's from the same publication I
 15 highlighted last time we went, "Chemical Engineering
 16 News." There's a -- evidently they found a bug that
 17 eats vinyl chloride. So if you end up with vinyl
 18 chloride being generated in your decompositions,
 19 evidently now they got a bug that will eat it.
 20 MS. MORLEY: Is that your only copy?
 21 MR. SKAREDOFF: You can have it.
 22 MS. MORLEY: Not at Concord but in other
 23 places. That is a problem. Thank you.
 24 Okay. With that, we'll go ahead and go into
 25 the RPM, the Remedial Project Manager's update.

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1 And Steve, do you want to go ahead?
 2 MR. TYAHLA: Man, let me get my notes now.
 3 Where is it better for you to hear me?
 4 THE REPORTER: I can hear you fine. But I just
 5 don't understand you.
 6 (Laughter.)
 7 MR. RAMSEY: You say that like it wasn't
 8 planned.
 9 THE REPORTER: I can't even comprehend.
 10 MR. TYAHLA: Okay.
 11 Okay. So RPM activity since the last RAB
 12 meeting, which was on the 2nd of June, and I have a
 13 litany of things here chronologically.
 14 The 3rd of June I made a conference call with
 15 the agencies and a meeting -- well, one and the same --
 16 regarding the Response to Comments on the Tidal Area
 17 Sites 2, 9, 11 Revised Draft Final Ecological Risk
 18 Assessment, or ERA; and that was the ERA of
 19 January 2002.
 20 4 June we had a meeting with the agencies
 21 regarding scoping of our supplemental FS for Litigation
 22 Area, very preliminary meeting to try to get some fuel
 23 for which direction the FS may take.
 24 6 June the Navy issued a letter that was
 25 submitted for review -- that submitted for review the

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1 Draft Addendum Sampling Analysis Plan for soil gas
 2 investigation at the SWMU Sites 2, 5, 7, and 18, and
 3 comments on that draft document are due 8 August. And
 4 that's one of the items that's listed in the document
 5 review list.
 6 Also, we are meeting with the agencies
 7 Tuesd- -- or Wednesday to discuss the draft of the -- of
 8 the SAP --
 9 MR. RAMSEY: SAP --
 10 MR. TYAHLA: Yeah.
 11 MR. RAMSEY: -- and --
 12 MR. TYAHLA: -- prior to the -- prior to the
 13 agencies' formal comments.
 14 The 9th of June we discussed the predraft Site
 15 Management Plan with Phillip, as I said, during my
 16 pitch.
 17 On the 12th of June, the Navy issued a letter
 18 that distributed the draft annual mana- -- to the Site
 19 Management Plan. And like I said in my pitch, the
 20 comments are due today, and I have EPA's comments.
 21 The 16th of June the Navy issued its Response
 22 to Comments on the Draft Supplemental RI for Site 22,
 23 dated 12 February; and that's what Joanna talked about
 24 today.
 25 And the 16th of June, also the Navy -- the Navy

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1 issued a letter with its Response to Comments on the
 2 30 April SAP addendum for the Site 13 and 22 sampling.
 3 That was the one that let us go do the sampling for
 4 perchlorate.
 5 Given that EPA had given us conditional
 6 approval on that draft SAP addendum and the Navy
 7 provided requested information that was asked for about
 8 wells, we went ahead in that letter and cited it as the
 9 final SAP addendum.
 10 The 16th and 17th of June we did the sampling
 11 of the four groundwater monitoring wells at Site 13 and
 12 the most hydraulically downgradient well at Site 22.
 13 We tested the samples from Site 13 for
 14 perchlorate and explosives, as was agreed, and the
 15 sample from Site 22 for perchlorate. The preliminary
 16 invalidated results that we received from the laboratory
 17 show low levels of perchlorate being present at both
 18 sites.
 19 And I have a couple charts that -- they were a
 20 handout. You may have picked it up. But just so you
 21 know you have it or if you find it, it's a chart -- a
 22 two-page chart that shows the result table and also
 23 location of the wells that were sampled at Site 22, and
 24 I guess that's the chart with the date on it.
 25 So at Site 22 -- or Site 13, rather, the

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1 results ranged from the most hydraulically downgradient
2 well on the bottom there, MWO -- MWO12, of 2 micrograms
3 per liter to none detected and MWO11, which was really
4 the upgradient well. So good news being that we were
5 below the current provisional guidance put out by EPA.

6 But the thing is, everybody knows the MCLs are
7 still not established for perchlorate. So we weren't
8 really shocked to see it there. We're glad to see it at
9 low low -- at low levels, relatively low levels,
10 especially considering this is the site that would have
11 been the most likely site to see perchlorate, you know,
12 based on our site knowledge.

13 We also saw -- at Site 22, we did that one well
14 there because of its, you know, location. And it was
15 found, I guess, at .5 -- .56 micrograms per liter, which
16 is, I believe, just slightly over the detection limit,
17 which would have been .5.

18 So those results -- like I said, there's a
19 two-page handout. You can take those along -- they are
20 preliminary in the fact that they have not been
21 validated; but generally, as a rule of thumb, a lot of
22 times validation's not going to change the end result.
23 So we don't -- we don't feel bad hanging -- handing
24 those out. But in the validation process, they could
25 potentially change, but unlikely.

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1 You can flip the map up there and we could show
2 them that, see where you are. Hard to see those.

3 But the well to the right is the well that was
4 upgradient, and 12 is the one on the lower left, which
5 would have been -- that's where the 2 micrograms per
6 liter was found. And, you know, with the -- with the
7 groundwater flow direction going to the west from the
8 groundwater data, from the level data, that was the one
9 that had the 2 micrograms per liter in it. But you have
10 it in your handouts.

11 Back to what happened in June. 19 June we
12 issued -- the Navy issued a letter with its Response to
13 Comments on the Draft Final SAP for additional remedial
14 investigation at Site 30, the Taylor Boulevard Bridge
15 site.

16 The agencies had -- the agencies had approved
17 this SAP addendum, but they provided us with some
18 following comments via EPA. And we wanted to reply to
19 those, so we did -- and it's in that document -- on the
20 9th of June.

21 The fieldwork, by the way, for that site is
22 scheduled for 21 through 31 July. And as a reminder,
23 that work includes three monitoring wells going into the
24 site and five borings to get an idea of the waste
25 profile there and the depth of it and taking a sediment

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1 sample, you know, the natural-occurring sediment at the
2 bottom of the borings.

3 In the same time, we will be sampling --
4 resampling the Site 1 Tidal Area landfill wells, seven
5 of them there, that was planned just because those wells
6 haven't been sampled --

7 I'm not sure how long ago it was, Joanna, but
8 it's, like, few years? couple years?

9 MS. CANEPA: I'm sorry?

10 MR. RAMSEY: Four plus.

11 MR. TYAHLA: Was it that long --?

12 MR. RAMSEY: It's '90 something --

13 MS. CANEPA: Yeah.

14 MR. TYAHLA: Yeah. So --

15 MS. CANEPA: '97.

16 MR. TYAHLA: So we are looking to get current
17 data there. And there's still down the line, down the
18 road, a groundwater, you know, investigation plan for
19 that site, because right now -- you know, right now the
20 ROD -- that the Draft Final ROD that's out is really
21 aimed at just the waste and not the groundwater.

22 Anyway, 24 June we held our regular monthly
23 Remedial Project Manager's meeting. Our next one's
24 scheduled for the 22nd of July, which is coming up soon.

25 26th of June the Navy issued its letter

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1 distributing the Revised Draft Final ROD for Site 1, and
2 the comments on that -- well, the review's -- review
3 period over -- is over for that one 26th of August.

4 Normally that would be a 30-day review cycle;
5 but given this was, like, the result of resolving an
6 informal dispute, we went ahead and just -- you know, I
7 talked to Phillip and gave this -- he probably just has
8 to give it a -- you know, a longer review period so
9 everyone knows it's out there.

10 So the Navy issued on 26th June also a letter
11 distributing the minutes from our 28 May RPM meeting.

12 27th of June the Navy issued a letter with its
13 Response to Comments on the revised Draft Final
14 Ecological Risk Assessment for the Tidal Area sites, and
15 that's the same revised Draft Final Ecological Risk
16 Assessment that I talked about earlier where we had
17 meetings both on 13 May and through June.

18 And the next step for the Tidal Area sites will
19 be revised draft final IR report that's due in the
20 current SMP on 8 August.

21 30 June the Navy issued a letter distributing
22 the Final Five-Year Periodic Review Assessment for the
23 Litigation Area, and that document basically resolves
24 the informal dispute we had over that document, that
25 primarily to do with continuing monitoring at the site,

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1 which we will be working with the agencies from here
2 forward on developing what the monitoring program will
3 be.

4 30 June the Navy met with the agencies to
5 preliminarily discuss the scope of the additional work.
6 We are going need to do at Site 22 and that Joanna
7 talked about today.

8 And finally, on 10 July we met with the
9 agencies -- Navy met with the agencies about the
10 Environmental Restoration Navy funding process. So
11 that's -- all this remedial investigation, all this
12 cleanup work we are doing there, investigation, cleanup,
13 is funded by what's called Environmental Restoration
14 Navy, ERN. You'll start hearing that term.

15 So part of the FFA says we need to involve the
16 regulators in that and make sure -- and also the public
17 in understanding what budgeting we have to do and really
18 making sure we have the funds available to do what we
19 said we are going to do in the following fiscal year.

20 So our discussion we had on the 10th is really
21 to help explain to the agencies the nuts and bolts of
22 how we really work out budgets, how we request it, how
23 we adjust it, that kind of thing. And they will be part
24 of the process if we have to adjust it for whatever
25 reason.

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1 And lastly, then, like Phillip said, you know,
2 the Site Management Plans are scheduled, and the most
3 important part of the schedule for you ought to be is
4 what is currently out there for review.

5 And for right now I looked at -- I just picked
6 up the handout, and the SAP addendum for soil gas survey
7 for SWMU sites is out for review right now, and that
8 work plan is really to help us -- really defines what we
9 are planning to do or hoping to do to assess the SWMU
10 sites for what may be organic constituents that have not
11 been found yet in the subsurface, and the soil gas
12 survey helps to do that.

13 Also out there, Revised Draft Final Record of
14 Decision for Site 1, the landfill. Like I said, that
15 would be another 60-day review cycle. It says here on
16 the list, you know, "None required" because it's a draft
17 final. But, you know, I'll be shocked if we don't get
18 comments on this revised draft final of the ROD.

19 Let's see. "Draft Final FS Report and Response
20 to Comments for Inland Area Site 29," that will be going
21 out shortly as well as Response to Comments on the draft
22 feasible -- field sampling planning draft for data gaps,
23 technical violation for Litigation Area sites. That's
24 in Response to Comments in the draft -- on the draft.

25 In August we'll have going out -- going out the

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1 draft SAP addendum for the supplemental RI work at
2 Site 22. That was the topic today. And eventually we
3 will get around to August getting out a draft remedial
4 design for Site 1 landfill.

5 So that's it. It's been a busy six weeks for
6 us.

7 MS. MORLEY: Do we have to applaud again?

8 MR. TYAHLA: No. No. I just need a drink of
9 water. I'm sorry to bore you all.

10 MS. MORLEY: Okay. Phillip, you ready?

11 MR. RAMSEY: I guess I could applaud because I
12 don't have anything really to say now after that
13 extensive description. But in a way, that's -- Steve
14 did a good job of describing a lot of meetings and
15 things.

16 I mean, this last six weeks or so from EPA is
17 pretty light in terms of my typical correspondence.
18 There's a lot of meetings doing some informal
19 discussions and what have you and a couple site visits,
20 I guess, thrown in there too.

21 But I did -- I typically describe the letter.
22 The EPA did issue our comments today on the SMP. So
23 those are out now. The folks I wanted to make sure -- I
24 was trying to distribute copies. But if anyone didn't
25 get a hard copy, I've got them here today, you know,

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1 pretty straightforward.

2 The one thing that I did want to -- one thing
3 that maybe Steve didn't talk about was EPA's
4 involvement. Something I was involved with during the
5 sampling of the perchlorate, I was happy to assist the
6 Navy. One thing, we oftentimes do assist the Navy in
7 their sampling. We may assist them in vari- -- various
8 techniques and monitoring, you know, observing the
9 fieldwork that's going on.

10 We also some -- oftentimes will provide
11 different kinds of samples to help assist the Navy and
12 document the quality and the accuracy and the precision
13 of the sampling that was done.

14 So because of this issue of perchlorate -- it's
15 a very new emerging chemical. There's a lot of things
16 that are still not known about it, of course, and so
17 that adds a lot of uncertainty of things. But this is
18 kind of a new method for me also. The analytical
19 methods are something we don't typically do. It's
20 obviously a new chemical, so a new issue.

21 What EPA did was to provide the Navy with --
22 it's a little sneaky sample. The laboratory reference
23 is a double-blind performance evaluation sample. And
24 it's essentially a known concentration that's supplied
25 to the laboratory, and it's the same kind of bottles,

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1 and they are -- they're labeled. So they don't know if
 2 this came from a monitoring well or if it's a duplicate
 3 or what.
 4 And in that spiked sample, EPA does go through
 5 a elaborate process to provide fairly accurately known
 6 concentrations. So it's spiked and we know what the
 7 number is. And that sample, then, is mixed in with
 8 these, and it's sent to the laboratory, and we can find
 9 out how well the laboratory did.
 10 And Steve presented these detections for the
 11 sampling, at least these are from the five wells. There
 12 was actually a duplicate sample run on one of these
 13 wells that there wasn't presented the 2 parts per
 14 billion, and that had a -- had a lower value of 0.7. So
 15 the one highest detected well had a duplicate sample
 16 that was considered -- considerably lower.
 17 Our performance sample actually came out very
 18 good, though. It was, we believe, something around
 19 2 parts per billion what the spike was, and the
 20 laboratory analysis came back with a 1.6, 'cause we
 21 were -- we were concerned that we'd run all these
 22 samples and they would be none detect, and people would
 23 know things.
 24 And so based on discussions with my chemist, it
 25 was decided that a performance of double blind would be

1 to -- I believe, to Mr. Baillie and was to Steve.
 2 Plus, also, I just finished the comments on the
 3 EBS for -- which is environmental base -- baseline
 4 survey for the runway and administrative buildings; and,
 5 of course, that was today and the site visit for UST
 6 Site A-16.
 7 So that's about the only complementary
 8 information I have.
 9 MS. MORLEY: Thank you, Laurent.
 10 MR. MEILLIER: You're welcome.
 11 MS. MORLEY: I just have a couple quick things.
 12 First I want to introduce Margaret Wallerstein, who's
 13 sitting over here next to Gregg. She's been hired to
 14 replace me, and she hasn't left yet. So it's been a
 15 week already.
 16 So I will be the cochair today, July, and then
 17 again in August. That's my last day, I promise. And I
 18 will bring treats this time, and I won't let Gregg drive
 19 so they'll still be in the same condition as when I
 20 bought them.
 21 And then Margaret will start come
 22 September 8 -- yeah, September 8, which is after the
 23 holiday, Labor Day holiday September 1st; and I'll still
 24 be here to critique her, to help her out, and then that
 25 will be my last RAB.

1 an interesting way to assess the laboratory's
 2 capability, and they did very good.
 3 So I'm happy that -- to provide that. It
 4 provides a better confidence in the data that the Navy
 5 obtained, and we're at least getting started here on
 6 this -- perchlorate assessments.
 7 And that's about all. Thanks.
 8 MS. MORLEY: Okay. Thank you, Phillip.
 9 Jim, do you have anything?
 10 MR. PINASCO: No, ma'am, nothing else to add.
 11 MS. MORLEY: Okay. Thanks, Jim.
 12 Laurent, do you have anything?
 13 MR. MEILLIER: Well, in addition to the
 14 chronology that was brought up by Steve, of course
 15 issued correspondence to the Navy. Two letters went
 16 out. One was on the site assessment work plan for UST
 17 Site IA-24A, and the second one was for also a site
 18 assessment work plan for Sites 350 and 351.
 19 Also sent a letter on emergent chemicals,
 20 prompting the Navy to sample or at least to -- at first
 21 to evaluate the presence -- the potential presence of
 22 emergent chemicals, such as perchlorate, ni --
 23 N-Nitrodimethylamine, 1,4-dioxane,
 24 1,2,3-trichloropropane and Hexavalent chromium, and
 25 polybrominated diphenyl ether. And that letter went out

1 And Ed says she has to bring drinks.
 2 MR. MCGEE: Treats, treats.
 3 MS. MORLEY: Oh, treats. I thought you said
 4 beer.
 5 MR. MCGEE: No.
 6 MS. MORLEY: Okay. So everyone welcome
 7 Margaret. And she will be stationed at Seal Beach, so
 8 it will be more helpful because she's with the other
 9 Seal Beach people and closer to, you know, Dave and
 10 Gregg and all the other people there. So it's -- it's
 11 inching closer to Concord. You got, like, two hours
 12 more north.
 13 So welcome, Margaret.
 14 Okay. And then just really quickly I wanted to
 15 talk about the CRP that we received comments from
 16 Laurent --
 17 Thank you, Laurent.
 18 MR. MEILLIER: You're welcome.
 19 MS. MORLEY: -- from Chris and from Mary Lou
 20 Williams. And Dave Cooper had commented on it when it
 21 was still in its draft stage, so we didn't receive
 22 official comments from the EPA once it had gone out to
 23 the public because he had already seen it.
 24 The -- That draft final will go final on
 25 August 11th. So that's what -- they are incorporating

1 the changes right now. And we -- I guess we are going
 2 to be getting a short break on that at the next meeting
 3 in August.
 4 And just to let you know, some of the things --
 5 I don't know if you guys picked up this handout -- it's
 6 double sided -- when you first came in. It kind of
 7 talks about the items that were underway, 'cause Mary
 8 Lou did bring it. Well, that's great. Now you have
 9 this plan. What are you going to do with it?
 10 So this talks about some of the things that
 11 have already been done and some of the things that we
 12 plan to do with the anticipated dates.
 13 And then this other -- the other site talks
 14 about some of comments and the input that the RAB made
 15 that weren't necessarily a formal comment, like Marcus,
 16 he brought some stuff up at the last meeting. So
 17 there's answers to those comments.
 18 And then the last thing is: If you can pick up
 19 a copy, this is the flier we plan to put in the
 20 libraries. It talks about the Web site, the RAB and
 21 things, different handouts, who to contact. We will be
 22 updating this with Margaret's information. We already
 23 did.
 24 And -- I'm sorry. Pat Ryan -- I forgot to
 25 mention that Pat Ryan doesn't work for DTSC anymore,
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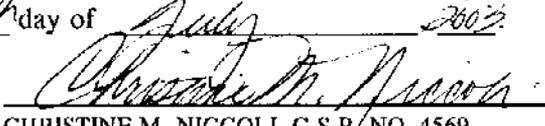
1 MS. MORLEY: Okay.
 2 MR. O'CONNELL: And then in the "Contact"
 3 section, I think it would be a good idea to have a
 4 community cochair identified as well as a --
 5 MS. MORLEY: Okay.
 6 MR. O'CONNELL: -- contact.
 7 MS. MORLEY: That's a good idea. Okay. Thank
 8 you, Marcus.
 9 Okay. With that, does anyone have agenda items
 10 for the next meeting?
 11 And unfortunately, it will not be on the 1st of
 12 September, because nobody from Seal Beach can support
 13 the meeting. So it will be August 11th, which is
 14 actually a month from now, so four weeks from now on
 15 August 11th here.
 16 But does anyone have any suggested agenda items
 17 that they'd like to talk about? If not, we'll just
 18 probably see you at what next -- the sites that are
 19 coming up and maybe have another site presentation.
 20 Okay. With that -- oh, look at that: "8:31."
 21 MS. WILLIAMS: Theresa, you're amazing.
 22 MS. MORLEY: It's a team effort.
 23 All right. Thank you all for coming. We'll
 24 see you next month.
 25 (Off record at 8:28 p.m., 7/14/03.)

1 right?
 2 MR. PINASCO: No.
 3 MS. MORLEY: So David is our one and only
 4 regulatory public --
 5 MR. COOPER: I'm number one.
 6 You can put that in.
 7 MS. MORLEY: So if you can give us comments on
 8 this flier This is going to be translated into
 9 Spanish on the backside. So it will be English on one
 10 side, Spanish on the other, and them laminated and
 11 posted at four libraries: Clayton, Concord, Martinez
 12 and Pleasant Hill.
 13 It won't be available in the Bay Point library
 14 till they're done with their remodeling in September.
 15 So if you could let us know what you don't -- like and
 16 don't like about this, we'd appreciate it. Okay?
 17 Is there anything --?
 18 MR. PINASCO: Marcus?
 19 MR. O'CONNELL: Just a couple of quick comments
 20 on it. Where it says "Receive Updates" at the very
 21 bottom here, the last line it says, "contact Gregg Smith
 22 to join." Join what?
 23 MS. MORLEY: Oh.
 24 MR. O'CONNELL: I think that needs -- that
 25 needs to be -- that thought needs to be completed there.
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CERTIFICATE OF REPORTER

I, CHRISTINE M. NICCOLI, Certified Shorthand
 Reporter of the State of California, do hereby certify
 that the foregoing meeting was reported by me
 stenographically to the best of my ability at the time
 and place aforementioned.

IN WITNESS WHEREOF I have hereunto set my hand
 this 29th day of July, 2003.


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