



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3336.10

RESTORATION ADVISORY BOARD

JULY 20, 1999
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1 APPEARANCES:
 2 BRIG. GEN. ROBERT M. MURDOCK
 Installation Co-chair;
 3
 4 DR. GENE LENE
 Community Co-chair;
 5 MR. ADAM ANTWINE
 Chief of Environmental Affairs,
 6 Air Force Base Conversion Agency;
 7 MR. ALLAN HAGELTHORN
 Community Member;
 8
 9 MS. TANYA HUERTA
 Community Member;
 10 MR. GORDON BANNER
 TNRCC, Austin;
 11
 12 MR. LEO LOZANO
 Alternate;
 13 P.K. PAUL PERSON
 Manager, Compliance Measurements
 Union Pacific Railroad;
 14 MR. SAM SANCHEZ
 San Antonio Metropolitan Health
 15 District;
 16 MR. PAUL ROBERSON
 Greater Kelly Development
 17 Corporation;
 18 MR. SAM MURRAH
 19 Broker/Appraiser;
 20
 21 MS. LAURA STANKOSKY
 U.S. EPA. Region VI;
 22 MR. JOHN A. JACOBI
 Texas Department of Health;
 23
 24 MS. YOLANDA JOHNSON
 Committee for Environmental Justice
 25 Action;

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1 APPEARANCES (Cont.):
 2 MR. JUAN SOLIS, SR.
 Community Member;
 3
 4 MS. DOMINGA ADAMES
 Community Member;
 5 JULIE A. SEAL
 Certified Shorthand Reporter
 6 and Notary Public.
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1 On the 20th day of July, A.D., 1999,
 2 at Brentwood Middle School, 1626 Thompson Place,
 3 San Antonio, Bexar County, Texas, between the hours
 4 of 6:30 o'clock p.m. and 10:15 o'clock p.m., the
 5 above-entitled meeting came on for discussion before
 6 said GEN. ROBERT M. MURDOCK, and the following
 7 proceedings were had:
 8 BRIG. GEN. MURDOCK: If I could have
 9 your attention, please, I'd like to begin this
 10 evening's meeting in a format that we have been
 11 accustomed to doing and that's to introduce the
 12 members of the RAB -- and I'd like -- as we go around
 13 the extended table, if you would introduce
 14 yourself -- and if you are representing an agency or
 15 a community group, if you would state that agency or
 16 community group, that would be helpful, certainly,
 17 hopefully, for the members of the community that are
 18 here that wish to interact and engage with the RAB
 19 members.
 20 So, to begin with, let me introduce
 21 myself. I'm Bob Murdock. I'm the Vice Commander of
 22 the San Antonio Air Logistics Center out at Kelly Air
 23 Force Base and I am one of the RAB co-chairs. And it
 24 is my pleasure to pass the mike to my left and
 25 introduce Dr. Gene Lene and he'll tell you about his

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1 position.
 2 MR. LENE: I'm Gene Lene and I'm the
 3 community co-chair on the RAB.
 4 MR. ANTWINE: I'm Adam Antwine, the
 5 Chief of Environmental Programs with the Air Force
 6 Base Conversion Agency. I'm here representing
 7 Mr. Pat McCullough.
 8 MR. JACOBI: I'm John Jacobi. I'm
 9 with the Bureau of Environmental Health for the
 10 Texas Department of Health.
 11 MR. MURRAH: I'm Sam Murrah. I'm with
 12 Clean Air & Water here in San Antonio.
 13 MS. JOHNSON: My name is
 14 Yolanda Johnson and I'm the past president of CEJA --
 15 that was the Community for Environmental Justice
 16 Action -- and I am now working on a group that is
 17 with them and I will be the chief investigator, also,
 18 the president -- and we are trying to find a name for
 19 it so we don't get them mixed up. Thank you.
 20 MR. PERSON: Paul Person, Union
 21 Pacific Railroad.
 22 MR. HAGELTHORN: Allan Hagelthorn,
 23 local resident.
 24 MS. STANKOSKY: Laura Stankosky,
 25 Environmental Protection Agency.

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1 MR. ROBERSON: Paul Roberson, the
 2 Greater Kelly Development Corporation.
 3 MR. BANNER: Gordon Banner with TNRC
 4 in Austin.
 5 MR. LOZANO: Leo Lozano, sitting in
 6 for Mr. Quintanilla.
 7 MR. SANCHEZ: I'm Sam Sanchez. I'm
 8 with the San Antonio Metropolitan Health District.
 9 MR. SOLIS: Juan Solis. I've been in
 10 the area for 42 years, representative at large.
 11 MS. ADAMES: Dominga Adames, a member
 12 of CEJA and I represent the community.
 13 MS. HUERTA: I'm Tanya Huerta. I'm a
 14 community member.
 15 BRIG. GEN. MURDOCK: And, Tanya, not
 16 to pick on you, but if you'd feel more comfortable
 17 coming down to this end of the table, you're more
 18 than welcome to switch nametags. It looks like we've
 19 got a few empty spots down at that end.
 20 MS. HUERTA: Do you think anybody
 21 would notice? Do I sound like Kent?
 22 BRIG. GEN. MURDOCK: Okay.
 23 MS. HUERTA: Thank you, sir.
 24 BRIG. GEN. MURDOCK: Let me draw your
 25 attention, first of all, to the materials package.

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1 Was there anyone on the RAB that did not receive a
 2 materials package, let me put it that way?
 3 What I'd like to do is go over the
 4 various items in the index. To begin with, the
 5 meeting agenda -- and, as you will notice, at the --
 6 I'll skip a little bit, so bear with me -- but at the
 7 backside of Tab 6 -- the very last white papers
 8 before Tab 7 -- is a letter addressed to me from
 9 Armando Quintanilla and Armando asked that there be
 10 some items placed on the agenda for this evening's
 11 meeting. My response to Armando is at Tab 7 -- and I
 12 addressed those issues in letterwriting after
 13 chatting with him, recognizing that he would not be
 14 here at this evening's meeting. I thought it more
 15 important to get the information to him in a timely
 16 manner that he requested. Knowing that he wasn't
 17 going to be at this evening's meeting, I attempted to
 18 address those items and, obviously, if Armando has
 19 additional comments, questions or concerns, based on
 20 my letter, I'd certainly be willing to re-look at
 21 bringing them at an agenda meeting -- for an agenda
 22 item for the next meeting. So, if you don't mind
 23 passing that on to Armando, please, I'd --
 24 MR. LOZANO: Will do, sir. In regards
 25 to that, yes, I will.

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1 BRIG. GEN. MURDOCK: Okay. Thank you
 2 very much.
 3 With that, let me go -- begin at --
 4 now, at the front end of the package to discuss the
 5 action items -- I guess I should backtrack. Before
 6 we begin the action items, does anybody have any
 7 comments or questions about the agenda as proposed
 8 for this evening's meeting?
 9 Okay. With that, let us proceed to
 10 the action items and response. As some of you,
 11 I'm sure, remember, we had a rather lengthy
 12 discussion about the BCT membership and composition
 13 and the scope of the BCT, and this evening I've asked
 14 Mary Kelly from the Air Force -- from the Kelly Air
 15 Force Base legal staff -- to address the first two
 16 items, which is considering a RAB member to attend
 17 the BCT and, then, the materials that are provided
 18 from the BCT.
 19 So, with that, Mary, if I could ask
 20 you to --
 21 MS. KELLY: Sure.
 22 BRIG. GEN. MURDOCK: -- address that
 23 issue, please.
 24 MS. KELLY: Good evening. I don't
 25 think it's on. I don't think I need it.

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1 With regard to the question about a
 2 RAB member -- a community RAB member -- attending and
 3 participating in the BCT -- that's the BRAC Cleanup
 4 Team -- again, we are not going to be able to allow a
 5 participant from the RAB at this time. We will
 6 continue with our current policy and that is to have
 7 as much open communication between the BRAC Cleanup
 8 Team and the RAB as we can find feasible. There will
 9 be minutes made available to RAB members. There will
 10 be briefings -- there have been and will continue to
 11 be briefings to the TRS -- and, as you know, agency
 12 members -- representatives of the EPA and TNRC,
 13 which are -- who are members of the BCT -- attend
 14 those TRS meetings and are there, not only to make
 15 reports, but also to answer questions. So, those
 16 members of the RAB who are particularly interested in
 17 these technical cleanup issues have that opportunity
 18 to learn more about the ongoing activities of the
 19 BCT.
 20 Finally, handouts of the BCT that
 21 would be available under FOIA are made available to
 22 RAB members. So, we're going to continue with the
 23 current policy and have that level of interface
 24 between the BCT and the RAB, but, at this time, not
 25 have a RAB member attend and participate. As you may

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1 know, participation by a RAB member in the -- in the
 2 BCT was one of the subjects of a complaint that was
 3 filed recently and that complaint is under review by
 4 the Air Force and other agencies -- and while that
 5 review is ongoing, it doesn't seem advisable -- it is
 6 not visible and we've been in contact with -- with
 7 officials in Washington regarding this matter. It's
 8 not advisable to change the policy.
 9 If we did change the policy here at
 10 Kelly, it would have ramifications throughout the
 11 country. Because we're currently following DoD
 12 guidance with regard to keeping the bodies separate,
 13 the RAB, the community-involvement body and the BCT,
 14 which is the base coordination with the regulators.
 15 Do you have any questions about this?
 16 Thanks.
 17 MR. HAGELTHORN: Thank you.
 18 BRIG. GEN. MURDOCK: Okay. Comments
 19 or questions?
 20 Okay.
 21 MS. KELLY: All right. And the second
 22 item was about information, handouts and that sort of
 23 thing that is available and used by members of the --
 24 of the BCT at their meetings -- would those items be
 25 available to RAB members? Again, we will make

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1 available to the RAB.
 2 BRIG. GEN. MURDOCK: So, the community
 3 has the opportunity to comment on a document almost
 4 in realtime as soon as the regulatory agency gets
 5 it?
 6 MS. KELLY: Absolutely.
 7 BRIG. GEN. MURDOCK: And, then, I --
 8 if I understand the process correctly, then would
 9 have another opportunity when it comes time for the
 10 public debate on that particular issue that the
 11 regulators happen to -- to bring to the public
 12 forum?
 13 MS. KELLY: Yes, sir.
 14 MR. LOZANO: I have a question, if I
 15 may. Are you talking about a sanitized document that
 16 would be available to the RAB members?
 17 MS. KELLY: No, Mr. Lozano, not a
 18 sanitized document at all. Because when these
 19 documents are filed with the regulatory agencies,
 20 there's nothing very sanitary about them. I mean,
 21 they -- they tell the story as it exists --
 22 MR. LOZANO: Thank you.
 23 MS. KELLY: -- and the proposed
 24 remedies that are discussed in those documents are
 25 actual -- I mean, it's the way they will be applied

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1 available all those kinds of items that would be
 2 available under FOIA. That would be final documents,
 3 in some cases, draft final documents that are ready
 4 to be submitted to the regulators. That kind of
 5 information would be made -- is made available and
 6 will continue to be made available. Also, the
 7 minutes of the meetings have been and will continue
 8 to be made available.
 9 BRIG. GEN. MURDOCK: Mary, let me ask
 10 a question that may be helpful to the members -- and
 11 if I'm stating it incorrectly, correct me, please.
 12 Is it a correct statement to say that any document
 13 that the BCT presents to the TNRCC or any regulator
 14 for that regulatory agency for a decision concerning
 15 Kelly cleanup is available to the TRS and,
 16 subsequently, to the RAB?
 17 MS. KELLY: Yes, sir, that's correct.
 18 It would be any document that's in the final or draft
 19 final stage. A preliminary discussion workshop-type
 20 draft document would not be. I mean, that's for the
 21 people who have the responsibility and are
 22 accountable for making those decisions for them to
 23 have as working documents. But once those kinds of
 24 document have been through the process and are ready
 25 to be submitted to the agencies, they are, then, made

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1 to the relevant situation that is addressed in the
 2 particular document.
 3 MR. LOZANO: Thank you very much.
 4 MS. KELLY: Not at all sanitized.
 5 BRIG. GEN. MURDOCK: Further questions
 6 or comments on the BCT issue?
 7 MS. KELLY: Okay.
 8 BRIG. GEN. MURDOCK: Thank you, Mary.
 9 MS. KELLY: Thanks.
 10 BRIG. GEN. MURDOCK: The third action
 11 item was a request for information from the
 12 San Antonio River Authority concerning the impact
 13 upon the San Antonio River of any contamination and
 14 Mike Gonzales is here this evening and he will
 15 provide a report on the current activities -- and
 16 that's Roman Numeral No. V for this evening's agenda,
 17 which should take place about 7:55. So, I'd like to
 18 defer discussion further on that action item and Mike
 19 will discuss it.
 20 Item 4 was a request for a list of all
 21 the numerous agencies that are involved in regulatory
 22 and health issues as they pertain to the
 23 environment. We have attempted to pictorially
 24 describe the relationships of those various agencies
 25 with a narrative as to what those agencies do,

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1 their -- their -- their basic mission and that's on
 2 the poster board -- and I'd encourage anybody that
 3 has not looked at that that's interested in that
 4 material, please take the time in -- in the break
 5 and -- and talk with any of our folks from the base
 6 who -- who put this together -- and if it fails to
 7 meet your need or expectation, let us know and -- and
 8 we'll try -- try better. Tanya, I know that was an
 9 issue that I believe you brought up and I'd be
 10 interested in your feedback if that meets your
 11 desire.

12 MS. HUERTA: Thank you. This is what
 13 I was asking for. I think it helps a lot.

14 BRIG. GEN. MURDOCK: Okay.

15 MS. HUERTA: Thanks, sir.

16 BRIG. GEN. MURDOCK: Comments or
 17 questions on Item 4?

18 Okay. The last action item was
 19 George Rice's request regarding the policy concerning
 20 environmental documents. The bottom line is the
 21 policy has not changed. We have been in dialogue
 22 with George and articulated this to him via the
 23 telephone and any member of the RAB can certainly
 24 call out to the Environmental Office at Kelly and
 25 we'd be glad to share the documents that -- that we

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1 have in our library out there -- especially if, for
 2 some reason, they don't exist in the public library,
 3 but we more than welcome anyone to come out and we'd
 4 be glad to assist in your desire to look in depth at
 5 those documents. Comments or questions on that?

6 MS. HUERTA: Sir, I have a comment.
 7 It's unrelated. I -- I asked some questions last
 8 time about the ATSDR report that was done in '96,
 9 which I have not seen and there were four different
 10 people from four different places that sent that to
 11 me and I sure thank you all for doing that.

12 Sometimes I wonder if it's just us that listen, but
 13 these were all audience members and I sure thank you
 14 for doing that.

15 BRIG. GEN. MURDOCK: Okay. Good. And
 16 I think -- I don't think -- I know Dr. Lene has a
 17 comment about the ATSDR report and he'll mention that
 18 here in just -- just a little while.

19 Okay. With -- with that, then, I'd
 20 like to move on to the -- the minutes. Before I
 21 begin asking for approval of the minutes, I need to
 22 bring up an issue concerning the April 27th minutes.

23 I received a letter just two days ago
 24 from Armando Quintanilla and Armando -- I'll -- I'll
 25 read it, because it's very brief -- and, then, we can

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1 have discussion, if you desire. Armando said in
 2 his letter is -- "Attached is an EPA mission
 3 statement. It is being submitted to you in an effort
 4 to correct the April '99 RAB minutes. Other
 5 business" -- "Other business precludes me from
 6 attending the meeting to address these corrections.
 7 Thank you. Armando Quintanilla." And one of the --
 8 excuse me -- one of the attachments is a copy from
 9 the EPA's Worldwide Web in which -- the statement
 10 from their history office, which states. "What is
 11 EPA's Mission," and, then, the next statement relays
 12 the agency mission statement, which I think is what
 13 Armando was articulating -- or trying to articulate
 14 in the April meeting, that, in fact, EPA has a
 15 mission statement. And according to the
 16 EPA Worldwide Web, that mission statement is to
 17 protect human health and to safeguard the natural
 18 environment: Air, water and land upon which life
 19 depends. I believe Laura Stankosky from the EPA
 20 tried to clarify that -- in fact, based on what she
 21 said -- that EPA did not have a mission statement,
 22 but acts according to the laws and regulations. At
 23 least from my perspective, it seems rather clear that
 24 EPA does have a mission statement based on their web,
 25 but I'd defer to anybody else if they have comments

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1 or questions. I think the record ought to indicate
 2 the correction as Armando has articulated.

3 MS. STANKOSKY: I misspoke.

4 BRIG. GEN. MURDOCK: Not -- not a
 5 problem.

6 MS. KELLY: Mr. Chairman -- General?
 7 I don't think this appropriate as a correction to the
 8 minutes so much as supplemental information that a
 9 member has submitted. Because the minutes reflect
 10 what was said at the meeting and Ms. Stankosky's
 11 comment was the best of her knowledge at the time.
 12 So, I think all we need to do is, rather than correct
 13 the minutes, just accept Mr. Armando's clarification,
 14 which is helpful for all us as a supplement and
 15 additional information.

16 BRIG. GEN. MURDOCK: How say the RAB?
 17 Should we -- Paul?

18 MS. KELLY: I didn't know they had a
 19 mission, either.

20 MR. PERSON: Agree.

21 BRIG. GEN. MURDOCK: Okay. We'll
 22 attach -- make sure that we attach to the formal
 23 meeting Armando's letter and the --

24 MR. LOZANO: I have a copy, too.

25 BRIG. GEN. MURDOCK: -- information

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1 from the web.
 2 MR. LOZANO: He let me have a copy
 3 before you left.
 4 BRIG. GEN. MURDOCK: Okay. Very good.
 5 With that, are there any other
 6 additions or corrections to the minutes?
 7 MR. LENE: One small correction.
 8 George Rice sent me an e-mail and he says on Page 5,
 9 Section X (B.)(3.), that first sentence -- if you're
 10 there, yet -- says, "Mr. Rice said there are wells."
 11 It should not be "wells." It should be "soil." So,
 12 if you can just change that word "wells" to
 13 "soils" --
 14 BRIG. GEN. MURDOCK: Okay. Noted.
 15 MR. MURRAH: Say that again.
 16 (Discussion off the record.)
 17 MR. ROBERSON: I move we accept the
 18 minutes as amended.
 19 MR. PERSON: Second.
 20 MS. STANKOSKY: I -- actually, I -- I
 21 do have a correction. It's under Item X. The word
 22 "grant" should be changed to "funding." A grant has
 23 a specific meaning for EPA. This is contractor
 24 funding.
 25 BRIG. GEN. MURDOCK: So, as opposed to

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1 "for a grant" strike "a grant" and -- "for
 2 contractor funding"?
 3 MS. STANKOSKY: Yeah. I think
 4 there's -- it's -- grant's also used in another --
 5 it's used throughout Section X and it's -- it's
 6 kind -- it is kind of confusing, but -- but EPA does
 7 have specific -- a grant means one thing and then
 8 contractor funding means another.
 9 BRIG. GEN. MURDOCK: Okay. Good.
 10 We'll -- We'll change that. Thank you.
 11 There's been a motion and a second.
 12 Any other comments or questions on the minutes?
 13 Okay. I'd ask for a vote. All those
 14 in favor, please signify by saying "aye"?
 15 (Vote by the RAB members.)
 16 BRIG. GEN. MURDOCK: Any opposed?
 17 (Vote by the RAB members.)
 18 BRIG. GEN. MURDOCK: The minutes are
 19 approved as amended and supplemented.
 20 We have the opportunity to vote on a
 21 RAB application -- and, before we do, let me take a
 22 moment and set the stage. As some of you may recall,
 23 back in the February time frame, I sent a letter to
 24 selected council members whose districts were not
 25 represented here at the RAB whose council districts

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1 bordered Kelly Air Force Base or have been impacted
 2 in some way by the business -- by the contamination
 3 or plume that we have been trying to identify. My
 4 intent was to try and get as widespread and divergent
 5 representation as possible for the RAB members -- for
 6 the RAB membership. Unfortunately, of the -- the
 7 three requests that I made, only one was acted upon
 8 and I'd like to read that letter -- and it's from
 9 Councilman Vasquez and he -- from District 5 and he
 10 said, "In response to your letter dated February
 11 22nd, requesting a recommendation to fill the vacancy
 12 on the Restoration Advisory Board, I apologize for
 13 the late response and at this time would like to
 14 recommend Mr. Roy Botello for the District 5 vacancy
 15 and provide me any information." I don't know if
 16 Mr. Botello is here this evening. He is. I
 17 appreciate you being with us, Mr. Botello, and at
 18 this point, I'd like to turn the voting process over
 19 to the community chair to talk about that issue. So,
 20 Gene?
 21 MR. LENE: Okay. I think in the past
 22 what we've done is asked the proposed member to say a
 23 few words to the RAB prior to the vote, maybe tell us
 24 a little bit about why you'd like to be on the RAB
 25 and what you -- what you have in mind -- or what you

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1 expect from the RAB. Could you do that,
 2 Mr. Botello?
 3 MR. BOTELLO: Hello. I'm -- I belong
 4 to different organizations and one of the
 5 organizations that I belong to is the Collins Garden
 6 Neighborhood Association, which I am the president
 7 of. I work very closely with Mr. Vasquez and the
 8 mayor in all of this.
 9 I was stationed here at Kelly. I
 10 worked here at Kelly for many years. I was a supply
 11 requirements officer and I've lived in this area all
 12 my life and I am interested in whatever goes on in
 13 this area. I -- I've done -- I'm retired from the
 14 state, also, and I've done a lot of outreach
 15 programming in different areas and I believe that we
 16 should be able to be -- to be available to anyone
 17 that cares to come to this organization and either
 18 compliment, complain or whatever, in whatever
 19 language they choose to do so at whatever level they
 20 choose to do so. If they're college graduates,
 21 that's fine, I can handle that. And if they're high
 22 school or dropouts or whatever or don't speak the
 23 language too well, we can handle that -- and, then,
 24 be able to interpret what they say -- the
 25 communication factor is very important -- and, then,

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1 be able to -- once that's communicated, then we in
 2 turn will be able to bring to the organization what
 3 the feelings of the community is. In case we happen
 4 to go to a group that's 20 or 30 people and it's
 5 necessary -- if there's ten people or five people --
 6 to come back and bring to the group whatever the
 7 complaint was or whatever the compliment was or
 8 whatever the -- the concerns were. Because if they
 9 feel that they've got a problem, they've got a
 10 problem and we have to look into it the best we can
 11 and come back -- and if this agency or this
 12 organization is not an organization that is going to
 13 look at something and come back and give an answer,
 14 then I don't want to be a part of it. Because we
 15 have to -- and I'm fighting now with City Council and
 16 everybody -- as to they do not take the appropriate
 17 action and tell me something and -- and I'm -- I'm
 18 very sensitive about that.
 19 So -- I -- I don't know what this
 20 organization, you know, completely does, but I'd like
 21 to be a part of it and see -- and if it doesn't work
 22 out, I'll see you later. Thank you very much.
 23 MR. LENE: Does anyone have a question
 24 for Mr. Botello?
 25 MR. JACOBI: Mr. Botello?

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1 MR. BOTELLO: Yes, sir.
 2 MR. JACOBI: How did you become aware
 3 of this -- this organization?
 4 MR. BOTELLO: Councilman Vasquez.
 5 MR. JACOBI: Okay. He -- He called me
 6 and asked me. Then, this gentleman right here came
 7 to my home, brought a video, brought all kinds of
 8 paraphernalia and we worked -- and we talked and so
 9 forth and -- he's a convincer. He convinced me that
 10 I ought to -- and I told him what I've done, where
 11 I've worked, what I do now -- I'm retired, by the
 12 way -- and he said, "It won't take too much of your
 13 time, I don't think" -- put that in there -- but --
 14 but I've got a lot of irons in the fire, but this is
 15 very important to me -- and I quit another little
 16 thing that I had with the police and now I'm going to
 17 allow more time for this -- and I -- I have a
 18 web site and I have all this. I'm computer -- I have
 19 computer knowledge and all of that. I -- I'm not --
 20 I'm 77, but I'm not anywhere back there somewhere.
 21 I'm right up here -- right up here.
 22 MS. KELLY: Mr. Botello, do you have a
 23 mission statement?
 24 MR. BOTELLO: Good for you. That was
 25 great. No, I do not.

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1 MR. SOLIS: I move that we -- that his
 2 application be approved.
 3 MR. JACOBI: I'll second.
 4 MR. LENE: Do we want to take -- do we
 5 need to take a vote?
 6 Okay. I think we need to take a
 7 vote. Mr. Botello, what we usually do is ask you to
 8 step outside and we'll have a short discussion and
 9 then vote.
 10 MR. BOTELLO: Okay, sir. I'll be
 11 reading your little book here while I'm out there.
 12 MR. LENE: Good.
 13 MR. BOTELLO: This feels -- this feels
 14 like LULAC.
 15 MR. LENE: Any comments before we take
 16 our vote?
 17 We can go straight to the vote, then.
 18 All in favor of approving the application, say aye,
 19 please.
 20 (Vote by the RAB members.)
 21 MR. LENE: Any opposed?
 22 (Vote by the RAB members.)
 23 MR. LENE: Good. Can somebody get
 24 Mr. Botello?
 25 - MS. KELLY: Let him in, first.

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1 (Applause.)
 2 MS. POWER: Mr. Botello, may I ask
 3 what state agency you retired from?
 4 MR. BOTELLO: State of Texas.
 5 MS. POWER: Yeah. What -- what agency
 6 or group?
 7 MR. BOTELLO: Oh, DHS -- Department of
 8 Health --
 9 MS. POWER: -- and Human Services?
 10 MR. BOTELLO: Yes.
 11 MS. POWER: Oh, okay.
 12 MR. BOTELLO: I served as a -- I was
 13 an investigator -- the last job I had with the state.
 14 MS. POWER: Oh, okay.
 15 MR. BOTELLO: Welfare fraud, if you've
 16 heard of that.
 17 MR. ROBERSON: Welcome.
 18 MR. BOTELLO: Yes, sir.
 19 MAJ. DE VENOGUE: Sir, I have a
 20 question for you. Mr. Botello, could we get you to
 21 announce what your web site is, if you remember it.
 22 I know -- I've seen it before and it's pretty darn
 23 impressive.
 24 MR. BOTELLO: I didn't get your
 25 question, sir.

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1 MAJ. DE VENOGUE: The -- the web site
 2 address -- your web site address? I'm wondering if
 3 you might have it handy.
 4 MR. BOTELLO: My flight address?
 5 MAJ. DE VENOGUE: No, web site.
 6 MR. BOTELLO: Web site? I'm sorry.
 7 MAJ. DE VENOGUE: Yeah. I've seen it
 8 and it's real impressive and --
 9 MR. BOTELLO: I'll give you a little
 10 card.
 11 MAJ. DE VENOGUE: Okay. And we can --
 12 we'll put it in the minutes.
 13 MR. BOTELLO: Okay. Let me --
 14 yeah -- I've got my own -- my own web page, also.
 15 MS. HUERTA: Glad you're here, sir.
 16 MR. LENE: At this point, we will
 17 entertain community statements or comments or
 18 questions. Does anyone from the community like to
 19 make a comment or ask a question at this time?
 20 No, I suppose not. Okay.
 21 MR. BANNER: Excuse me. Just out of
 22 courtesy, I'm just wondering how many members of the
 23 community are out there.
 24 MR. LENE: That's a good point.
 25 MR. BANNER: Is there anybody from the

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1 community out there?
 2 MR. LENE: How many -- do we have
 3 community members out there?
 4 MR. BANNER: One, two. Thank you.
 5 Thank you for -- for coming tonight.
 6 MR. LENE: Thank you very much for
 7 coming.
 8 One thing I'd like to do is introduce
 9 the letter from Dr. Fowler at ATSDR. I believe
 10 everyone has a copy of it. We made it a part of the
 11 packet. If you read in there, you should have one.
 12 It starts -- it's addressed to me, but that's
 13 all right.
 14 Okay. And you can read through there
 15 that we -- we asked -- the ATSDR report is out -- is
 16 out now, except for the air sampling portion -- and
 17 the Metropolitan Health District is setting up a
 18 workshop for the community and -- Sam, I think you
 19 told me August?
 20 MS. JOHNSON: Sam?
 21 MR. LENE: Did you tell me August
 22 24th, the community workshop?
 23 MR. SANCHEZ: We have a -- we've had
 24 a -- it's part of -- it's part of this -- what we
 25 have agreed to do with the ATSDR series of health

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1 education seminars. We had a seminar for nurses at
 2 the Southwest General Hospital on June the 4th. We
 3 had close to 100 nurses from this area from the --
 4 from the hospitals, school nurses from Edgewood, from
 5 South San, Harlandale, from the San Antonio
 6 Independent School District, public health nurses
 7 from the Health Department and the University Health
 8 Care System, University Hospital that attended an
 9 all-day seminar on environmental health education on
 10 June the 4th.
 11 This coming week -- Thursday,
 12 in fact -- we have a -- scheduled a physicians'
 13 health seminar at Southwest General as part of their
 14 grand rounds where we will bring in an environmental
 15 physician that will be giving that grand round
 16 presentation this coming Thursday. And, then, we
 17 hope to have -- with the -- the -- the support and
 18 participation of the community, we hope to have the
 19 community education completed within the next three
 20 to four weeks, as well.
 21 MR. LENE: We don't have a date for
 22 that, yet?
 23 MR. SANCHEZ: No, no. We haven't got
 24 a date.
 25 MR. LENE: Okay. I guess we're ready

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1 to go to the next thing, then.
 2 BRIG. GEN. MURDOCK: Okay. At this
 3 point, let me ask Major Tom de Venoge to provide an
 4 update on cleanup systems.
 5 Tom?
 6 MAJ. DE VENOGUE: Okay. Can everybody
 7 see that okay?
 8 What I'd like to do this evening is
 9 talk very quickly -- we try to do this periodically
 10 to give the RAB members an update of what are some of
 11 the big -- big picture activities that are happening
 12 around the installation. This -- as we've talked
 13 about before, this a very, very busy year for us.
 14 We're actually moving a lot of dirt, putting a lot of
 15 cleanup systems in the ground. We've been doing that
 16 for a long time, but this -- this year in particular
 17 has been very, very aggressive for us. What I'd like
 18 to do is just talk to you quickly about what are some
 19 of the -- the key projects that we're going to be
 20 doing -- we are doing now and we're going to continue
 21 to do construction projects throughout the remainder
 22 of the summertime.
 23 One of the things -- actually,
 24 Mr. Quintanilla asked that -- one of the things we do
 25 at the BCTs is we give zone updates -- and these are

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1 just brief summaries of activities that occur in
 2 zones that are provided to Dr. Lene at the TRS
 3 meetings and RAB members are welcome to review those
 4 and Mr. Quintanilla did his homework and -- and saw
 5 some things in there he liked and asked if I would
 6 come and give the -- the -- the RAB a zone update.
 7 And, so, what I explained to him was
 8 what -- what we do and what we're going to continue
 9 to do is provide you the Reader's Digest condensed
 10 version of those zone updates -- just give you the --
 11 the highlights. So, that's what I'm going to try to
 12 do here tonight and what I'll do is -- working over
 13 from Zone 1, which is -- if you're familiar with Zone
 14 1, it's where the golf course is. We've got site
 15 RD-1. I'll be talking of that -- about -- then
 16 I'll move over to Zone 2, talk about Site E-3. And
 17 Zone 3, we have Site S-8 and S-4 and Site MP -- I'll
 18 also talk about -- on the eastern boundary of the
 19 installation, then we'll move over to Zone 4 and talk
 20 about what's happening with the construction of the
 21 interim remedial action over there and, then, I'll
 22 move up to Site S-1 -- and as you may recall -- we
 23 had a public meeting back on May 11th, as I recall,
 24 where we talked about the interim remedial action
 25 that's going to happen with the excavation of that

1 site. And, so, I'd like to give you an update on
 2 that one, also.
 3 Very quickly, site RD-1 -- this is
 4 actually -- if you've played golf over there, this is
 5 the lady's seventh tee -- and, right now, what we've
 6 got going on at RD-1 -- it's basically -- it's been
 7 in the stage of a -- essentially, a workshop --
 8 because we ran out of money here. We got -- We had
 9 quite a bit more work than we originally anticipated
 10 and -- so we're continuing to go out and get more
 11 funds for this site. Funding has basically come in
 12 and we're going to start working on it on the
 13 30th of July -- go and -- and finish the work that we
 14 need to do there. Essentially, all -- it's all soils
 15 work with some groundwater work to follow along. One
 16 of the interesting things about this site is --
 17 you know, it's actually under regulation by the
 18 Radioisotope Committee for the Air Force who has
 19 the -- what's called a broad scope license under the
 20 Nuclear Regulatory Commission. So, this site is
 21 actually regulated by what's called the Air Force
 22 RIC, Radioisotope Committee. So, they're making sure
 23 that we -- we're meeting all the requirements that we
 24 have to -- and, again, that work is -- hopefully,
 25 we'll have closure on this particular site in

1 December of '99.
 2 MR. SOLIS: Question.
 3 MR. DE VENOGUE: Yes, sir.
 4 MR. SOLIS: Will you be providing the
 5 RAB with a copy of this transparency you're using?
 6 MAJ. DE VENOGUE: Would you like
 7 copies? Yes, sir. We'll -- we'll mail them out.
 8 BRIG. GEN. MURDOCK: How about if
 9 we -- we mail a copy of the slides with the -- the
 10 minutes from the -- the meeting? We'll just attach
 11 them to the minutes when we send them out.
 12 MAJ. DE VENOGUE: Okay. The next
 13 site -- I'll move on to Zone 2 now. This is the area
 14 south of Southwest Military Drive and I'll talk a bit
 15 about Site E-3 -- and just to jog your memories,
 16 Site E-3 is -- here's a picture of Site E-3. You've
 17 all seen this picture before. It's basically an old
 18 waste disposal pit. The materials that you see here
 19 were actually excavated in 1985, but it was quite a
 20 large pit where they dumped a lot of things like
 21 waste fuels, waste oils -- and chlorobenzene is what
 22 we find there. So, the -- the -- the real ugly stuff
 23 was removed over ten years ago, but because of this,
 24 we have groundwater contamination that you can't
 25 readily get to -- and, so, what we're doing is we're

1 continuing to go in and we'll -- we have, actually, a
 2 groundwater extraction system there now. It's been
 3 operating some time and it is having an impact on
 4 cleaning up the groundwater. We're going to go in
 5 and -- and finish the job, basically -- and also
 6 address the contaminated media up in what's called
 7 the data zone or the unsaturated area -- the part
 8 that has not reached the groundwater, yet -- and,
 9 so -- install a soil vapor extraction system there.
 10 And, then, also in Zone 2, we've got several sites
 11 where we've actually got closure reports that we're
 12 preparing. Those will be due in the August time
 13 frame -- and, yes, in fact, we do close sites
 14 here -- and, so -- that's -- that's our ultimate
 15 indicator -- that's the ultimate milestone we're
 16 trying to get to. So, things are moving along at
 17 some of these sites. These are sites that are --
 18 were given a low priority -- there's been action
 19 taken there and we -- we administratively closed them
 20 out.
 21 Moving over to Zone 3 -- very
 22 briefly -- is Site S-8 soils -- and, again, to
 23 remind you, Site S-8 is the location of what was --
 24 once our automated engine parts cleaning facility, as
 25 well as known as the "Green Worm," which has gotten a

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1 lot of press for us -- and, at this site, we're also
 2 going to be employing a soil vapor extraction
 3 system. We're going and trying to capture
 4 contaminants, again, above the water table that --
 5 from contaminated soils. There's also -- I'll talk
 6 about it later -- we also have a groundwater project
 7 going on, but the soil vapor extraction system -- it
 8 will actually start operating in the September time
 9 frame.
 10 Moving on to the groundwater for
 11 Site S-8 and S-4, these are both sites along
 12 Berman Road adjacent to the rail yard -- and, again,
 13 at Site S-8, we've actually gotten what's called
 14 free-product spill -- floating residual on top of the
 15 groundwater. We're going to employ a bio-slurper
 16 technology to try to remove a lot of that floating
 17 product layer. Also, we're going to continue to
 18 employ technology of pumping and treating -- that is,
 19 removal -- extraction of contaminated groundwater and
 20 piping it down to the groundwater treatment plant for
 21 treatment. The work plan for that was actually
 22 submitted to the TNRCC in December of '98. So, we're
 23 still working with TNRCC and we'll have the draft
 24 final out here -- or following resolution of the
 25 comments, we'll actually work on the CMI -- which --

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1 CMI, as you may recall, is corrective measures and
 2 implementation. We're studying various remedial
 3 action alternatives under the CMI.
 4 Okay. And, also, I want to hit
 5 quickly on UPRR wells -- Union Pacific Railroad
 6 wells. Mr. Quintanilla raised a question about UPRR
 7 and the fact that they've got some expansion work
 8 going over there. We've got monitoring wells and
 9 extraction wells, which happen to be in the way of
 10 their plans. We're taking those wells out -- a
 11 three-based approach. However, just because we're
 12 taking wells out doesn't mean that we're not going
 13 to -- we have to work with -- there are a lot data
 14 gaps. So, to -- to resolve that, we're going to go
 15 ahead and put in additional wells in new locations to
 16 allow us to obtain environmental data we need to
 17 obtain to make sure that the site is, in fact, being
 18 cleaned up. Phase 2 of the removal of the wells will
 19 actually include recovery wells, wells that are in
 20 use for extraction of contaminated groundwater --
 21 and, actually, those wells are going to come off
 22 line, anyway, because we've got an optimization
 23 project -- that's -- we're going to include those
 24 and address those -- and, so, that will happen around
 25 the September time frame and a report will come out

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1 for that.
 2 The next one is Site MP, which is the
 3 location of the former metal plating shop and we had
 4 a significant success story here. We recently
 5 installed what's called the slurry wall for this
 6 site. I've got a cartoon and I'll -- I'll talk about
 7 it a bit. Basically, down here at the bottom of
 8 the -- or on top of the Navarro clay layer here is a
 9 very permeable layer that extends down about 800 feet
 10 to the Edwards Aquifer. We've got this pool with
 11 contaminants -- and it's -- it's perchloroethylene,
 12 which is the cleaning solvent they used at that
 13 shop -- Building 258 -- for years and years. We're
 14 trying to -- to aggressively pump that out of the
 15 ground -- and the problem is, as groundwater moves
 16 through this site, it picks up these contaminants.
 17 They dissolve into the groundwater and they transport
 18 off base and the result is a very large plume that we
 19 have out under the homes of some of the community
 20 members. So, what we've done is we've installed a
 21 slurry wall, which was completed in the May/June time
 22 frame and, basically, tried to cut that off. So --
 23 one of the important things that I hope you're taking
 24 away from this tonight is: All these remedial
 25 actions that we have historically done and are

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1 continuing to do are having a very positive effect
 2 and we expect to have a positive effect on reducing
 3 the contaminant concentrations in the off-base
 4 areas.
 5 Okay. So, again, we're -- we're going
 6 to continue to monitor that situation and -- and
 7 determine if, in fact, the slurry wall is having a
 8 positive effect. We've also got extraction wells
 9 just downgradient of the slurry wall. And, then, we
 10 are continuing to pump that pure solvent or DNAPLs,
 11 which is a liquid -- fancy word for a solvent sitting
 12 on the bottom there. So, we're continuing to try to
 13 get at that.
 14 Moving on to Zone 4, which -- again,
 15 Zone 4 is the East Kelly area -- just east of the
 16 main base. Zone 4 is where we are in the process of
 17 installing a lot of horizontal wells -- and this is
 18 really a -- it's not a new technology, but it's --
 19 it's technology that's having some application now in
 20 the environmental world and it's one that we're
 21 hoping that will -- we expect it's going to have very
 22 positive results for us in, basically, cutting off
 23 any further off-base contaminant migration throughout
 24 Site MP, which is the former metal plating shop and
 25 Site -- up at Site S-051, which is up at the

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1 St. Philip's college area, which -- if you go back
2 years ago, it was the location of the jet engine
3 maintenance facility. So, that project is moving
4 right along and they're in the process of taking some
5 soil borings, trying to further characterize the
6 location of where the horizontal wells will best
7 work.

8 Again, this is a blowup of East Kelly
9 area. Along with horizontal wells, of course, we
10 have to build a treatment plant to capture the water
11 and treat the water centrally. This treatment plant
12 is going to be one that's going to discharge to
13 Six Mile Creek -- and one of the things we tried to
14 do is have very early discussions with Bexar Met and
15 SAWS -- and I can tell you there's lots of interest
16 in -- in reusing that groundwater -- because
17 groundwater is a very valuable resource. So,
18 there -- there is interest and I expect that we will
19 have either a total commitment from one of these
20 agencies to either take the water or -- or at least
21 partial -- they'll take part of the water.

22 MS. HUERTA: Would you qualify that?
23 Would you -- I think the community needs to hear that
24 this is treated water and it's up to standards before
25 it's going to be released.

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1 MAJ. DE VENOGUE: That's correct.
2 MS. HUERTA: I think that just needs
3 to be said as much as we can say it.
4 MAJ. DE VENOGUE: Sure.
5 MS. HUERTA: That it's just not
6 pumping the water that's bad and putting it into the
7 soils.
8 MAJ. DE VENOGUE: No. That's right.
9 This -- this is a dedicated treatment plant and --
10 much like we have over in Zone 2 for the treatment of
11 the main base groundwater systems. This dedicated
12 treatment plant is going to treat the water coming
13 out of the Zone 4 area -- a perimeter system -- the
14 red lines. So, water is going to be piped to this
15 treatment plant and it's going to be treated with
16 UV oxidation -- ultraviolet light and
17 hydrogen peroxide -- and discharged into Six Mile
18 Creek -- and we've got very specific stringent
19 requirements we'll have to meet -- and we'll have to
20 monitor that. Fortunately, the groundwater here --
21 what's coming out of the ground -- the levels are
22 actually very low. We're talking very low levels of
23 contaminants -- part per billion concentrations, much
24 like we have on base. So, in fact, treatment is not
25 terribly difficult.

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1 MS. HUERTA: And it's up to whose
2 standards before we release them?

3 MAJ. DE VENOGUE: We -- we'll have to
4 have a discharge permit, if, in fact, we do release.
5 If -- if all goes well, we'll --

6 MS. HUERTA: Okay. If you reuse the
7 water, does it still have to be up to the same
8 standards?

9 MAJ. DE VENOGUE: Yes. I mean --

10 MS. HUERTA: That's EPA standards and
11 TNRCC?

12 MAJ. DE VENOGUE: I -- I don't know
13 that it's going to be to drinking water standards,
14 but -- I don't know what the requirements are for
15 reuse water, but I imagine they will be similar to
16 what the discharge permit requirements are for,
17 say --

18 MS. HUERTA: Can we get that
19 information on -- on the -- what the -- if it's --
20 if it's discharge water standards or --

21 MAJ. DE VENOGUE: What are the
22 actual --

23 MS. HUERTA: Yeah.

24 MAJ. DE VENOGUE: Your question is:
25 What are the requirements for the water coming out of

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1 the treatment plant regardless of whether it's
2 Six Mile Creek or --

3 MS. HUERTA: Or reuse.

4 MAJ. DE VENOGUE: -- or reuse. I'll
5 look into it.

6 MS. HUERTA: Thank you.

7 MR. SOLIS: Forgive me. I've been
8 unable to follow you. I looked at my paperwork
9 on -- our handout you had gave.

10 MAJ. DE VENOGUE: Okay.

11 MR. SOLIS: I don't know what you're
12 referring to. I -- I couldn't see the slides you
13 have up there, but -- you cannot read them,
14 of course. So, where is all that --

15 MAJ. DE VENOGUE: I'm sorry. What was
16 the question?

17 MR. SOLIS: General, do we get copies
18 of this?

19 BRIG. GEN. MURDOCK: Yes -- Well, I --
20 I said we'll -- we'll provide copies to all -- of all
21 this -- this entire briefing with the minutes when
22 they're mailed out as soon as the minutes are typed
23 up. You'll get copies of all this.

24 MR. SOLIS: I was looking for it here
25 so I could connect what he's saying with what he

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1 wrote.

2 BRIG. GEN. MURDOCK: In the future,

3 what we will do is -- is make sure that -- we'll do

4 our best to provide advance copies of the briefings

5 that we present in the member -- in the package that

6 you received in advance in this materials package.

7 We'll -- We'll try and get those -- these sorts of

8 briefings in there before the RAB meeting to you.

9 MR. SOLIS: Yeah. Well -- because --

10 you know, we meet, like, every four months --

11 BRIG. GEN. MURDOCK: Yeah.

12 MR. SOLIS: -- and it would be

13 invaluable to have that -- because this young man has

14 been speaking for 20 minutes and I have a hard time

15 digesting what you say, having nothing to look at.

16 MAJ. DE VENOGUE: I -- I -- I can

17 meet with you afterwards and we can -- I'll go over

18 some of the finer points.

19 BRIG. GEN. MURDOCK: But that's a very

20 good point and we'll try our best to include as many

21 of the briefing items as we can get in advance to the

22 RAB members prior to the meeting.

23 MR. SANCHEZ: Would you put that back

24 up there, please?

25 MAJ. DE VENOGUE: Sure.

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1 MR. SANCHEZ: I guess I'm referencing

2 the plume. The plume that you describe now --

3 it's -- it's a little bit larger than the plume that

4 we saw -- that we saw last year in 1998.

5 MAJ. DE VENOGUE: Right. Those are

6 back on the wall out here. That's the information

7 that was recently mailed out.

8 MR. SANCHEZ: Yeah. And we do have

9 that here in our packet.

10 MAJ. DE VENOGUE: Right.

11 MR. SANCHEZ: I just wanted to comment

12 on that -- it seems to be going much further north.

13 MAJ. DE VENOGUE: Yeah. This is

14 actually the TCE plume map --

15 MR. SANCHEZ: Yeah.

16 MAJ. DE VENOGUE: -- which is not what

17 that is. We've got -- that's not a TCE plume map.

18 That's a -- actually, a composite map that you have

19 there, which is everything.

20 MR. SANCHEZ: Yeah.

21 MAJ. DE VENOGUE: And this is strictly

22 for demonstration purposes up here.

23 MR. SANCHEZ: Will the Air Force be

24 talking about that -- the -- the spread of the plume

25 and what it -- what it means now with -- in terms of

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1 what you have -- you -- you know now or -- is it

2 getting larger? Is it increasing at a faster rate?

3 MAJ. DE VENOGUE: You should have that

4 in your package there, Sam. It's the letter from

5 General Murdock in the back. It talks about that.

6 We've got the displays in the back, also. What --

7 but I can tell you real quick what we found from '98

8 and -- you know, the '98 sampling I think was the

9 fall time frame and we went out and did some more

10 later in the fall. We installed the monitoring

11 wells. If you look at the '98 map, we had some

12 dashed lines that we wanted to close off. So, we did

13 that. We installed monitoring wells and soil borings

14 and -- and now if you look at the map, it's up to --

15 Highway 90 is where it's dashed.

16 MR. SANCHEZ: We're fairly certain

17 that it's not across Highway 90?

18 MAJ. DE VENOGUE: No. Actually,

19 that line means that that's as far as we have

20 delineated at this point -- and, in fact, it

21 indicates that in all likelihood it is beyond

22 Highway 90.

23 MR. SANCHEZ: So, it is beyond

24 Highway 90 further north?

25 MS. HUERTA: Sir, would you explain --

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1 if you -- if you suspect it's out further, why do you

2 go at such an incremented process instead of just

3 jumping up there where you think it is?

4 MAJ. DE VENOGUE: Well, because it

5 requires a lot of money. This is not a cheap

6 endeavor -- and, in fact, one of the things we're

7 finding from our data -- if you look at our plume

8 maps -- is we're not alone. This -- you know, if --

9 if you look at the shallow groundwater around Kelly,

10 it's -- it's very discontinuous. It's -- It's highly

11 vulnerable to contamination. This area around here

12 is -- it's a highly industrialized area -- and as you

13 work your way off base out in areas where we have

14 dry cleaners, you have garages, you have sanitary

15 sewer lines made up of concrete and clay, you have

16 all these different types of industries that are --

17 that are out there -- there's no reason to expect

18 that over the course of the industrial history of

19 this area that some of those folks have also not

20 contributed to shallow groundwater contamination --

21 and, in fact, we have lots and lots of information

22 and -- from what we're -- from monitoring --

23 it's -- it's leading us to believe -- and we have

24 known data, also, there's -- we know there's been

25 off-base releases. We know there's been places off

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1 base where contamination has been released -- and,
 2 so, we're seeing a source of those. So -- you know,
 3 this is a -- an issue that we are going to have to
 4 work with the TNRCC and the EPA on -- about just how
 5 far out do we go. Is this contamination out there
 6 still Kelly's contamination?
 7 BRIG. GEN. MURDOCK: Tanya, let me
 8 just also mention -- and correct me if I'm wrong,
 9 Tom, but -- if I could put it in my layman terms -- a
 10 couple of the issues that we've brought to the TNRCC
 11 is our concern as we try to test the various areas
 12 north is, number one, that that doesn't fit the flow
 13 of the groundwater. In other words, the groundwater
 14 flows from northwest to southeast and -- and, so, it
 15 doesn't make sense that the contamination from Kelly
 16 would all of a sudden make an abrupt 90-degree turn
 17 and go north. That's one of our concerns. The other
 18 is that as we look at the contamination
 19 concentrations as we go from the northern portion of
 20 the base, those contaminants tend to decrease, as you
 21 would expect, from the -- the major source on base as
 22 you get further out.
 23 What we found is that in some of the
 24 areas we've monitored, it decreased -- and, then, a
 25 significant increase in concentration of

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1 contaminants. So, how -- our concern is: How can
 2 you get a significant concentration of contaminant
 3 moving from the base, it decreases and, then, all of
 4 a sudden, at some other point, increases? That gets
 5 to the point that Mr. de Venoge mentions that maybe
 6 there are -- are others that are responsible for some
 7 of that contamination. I say "maybe" -- and I --
 8 and I don't know, but it's that sort of thing that
 9 we're concerned about that we're working with the
 10 regulators to try and determine -- at -- at what
 11 point is it -- that we need to take more, maybe, of a
 12 community approach between the state and the local
 13 community industry and the base to determine what the
 14 next step is? How far do we -- the Air Force -- go
 15 to monitoring as opposed to other agencies maybe
 16 getting involved, also?
 17 MS. HUERTA: And that was my -- that
 18 was the question I was asking. Who determines whose
 19 responsibility it is to clean it up when it's found?
 20 Is it federal or is it state regulators?
 21 BRIG. GEN. MURDOCK: I'll turn to the
 22 regulators. I'm not knowledgeable to --
 23 MS. HUERTA: Is it -- is it something,
 24 maybe, we need to talk about in the future as an
 25 agenda item -- just basically what the procedure is

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1 and -- who determines who cleans it up, I think, is
 2 my question.
 3 MR. BANNER: Yeah. I think you want
 4 to have that on the agenda.
 5 MS. HUERTA: I -- I think it would
 6 help.
 7 BRIG. GEN. MURDOCK: How do the other
 8 RAB members feel? Would that be a -- a useful item
 9 to discuss -- to have, maybe, the state and federal
 10 folks come in and -- and chat about how it is a
 11 determination, say -- for instance, in this
 12 particular case, who makes the determination and who
 13 decrees who is responsible?
 14 MS. HUERTA: And maybe the process and
 15 where the process --
 16 BRIG. GEN. MURDOCK: Or the process.
 17 MS. HUERTA: -- comes in -- yes.
 18 MR. ROBERSON: I think that would be a
 19 great discussion.
 20 MS. ADAMES: I think the question has
 21 been asked and nobody really knows who has the
 22 answer. They just keep passing the ball back and
 23 forth -- and another thing on that -- since when have
 24 you known it's gone across Highway 90? There's some
 25 houses that were built there by HUD -- a small

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1 community -- you know, real nice houses for poor
 2 people who can't afford it. Wasn't anybody
 3 interested in that -- government housing -- because
 4 they're through HUD? How long ago did you know about
 5 the contamination being on the other side of the
 6 highway?
 7 MAJ. DE VENOGUE: This is recent
 8 information. This is results from our monitoring
 9 that was just completed --
 10 MS. ADAMES: Well, there's some
 11 houses -- they're still being made. There's lots --
 12 empty lots.
 13 MAJ. DE VENOGUE: And -- and this is
 14 why we've got these maps in the back. This is why we
 15 did the mail-out. We've -- we've been talking to
 16 the -- to the newspapers trying to get the word
 17 out -- talking to radio stations, talking to local
 18 TV stations trying to make sure that everybody has
 19 this information.
 20 MS. ADAMES: And there's nobody
 21 preventing anybody from having a house built. My son
 22 built a house on Beech by -- by the jet fuel tank.
 23 He didn't have a problem getting a permit to have his
 24 house built. Who is in charge of all that?
 25 BRIG. GEN. MURDOCK: You'd have to ask

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1 the city folks.
 2 MAJ. DE VENOGUE: That would be city
 3 zoning authority and I don't know that they would
 4 have any restrictions on that property.
 5 MS. ADAMES: And there's another house
 6 that's also finished on -- on May and --
 7 MAJ. DE VENOGUE: That is exactly why
 8 we --
 9 MS. ADAMES: It just keeps on going.
 10 MR. PERSON: There's nothing
 11 deed-recorded as of yet on any of the property that
 12 you're talking about regarding these spills -- and as
 13 long as there's no deed-recorded spills, you're not
 14 going to find anything from any of the agencies.
 15 MS. ADAMES: When will it be done,
 16 though? When --
 17 MAJ. DE VENOGUE: That's not a question
 18 I can answer.
 19 MR. SOLIS: You know, in regards to
 20 contamination and such, it was in the original cost
 21 to -- in '62. I became aware of -- that we were --
 22 the environment. You're familiar with that -- and
 23 that's the -- the start of concern for the
 24 environment -- because we didn't know what was
 25 happening and everyone that has lived adjacent to

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1 this industrial area is going through the same
 2 concerns as we are in that -- how do we reduce the
 3 contamination and eventually -- hopefully, get rid of
 4 it? So, yes, this is a relatively recent problem, if
 5 you will -- '62 to '99 -- you figure it out. So,
 6 yes, it wasn't that anybody designed this to the
 7 detriment of the neighbors. It happened.
 8 MR. JACOBI: If I might make a comment
 9 at this point, there are a number of issues.
 10 Number one, is -- is contamination present?
 11 Number two, if contamination is present, how did it
 12 get there? And, number three, if contamination is
 13 present, is it -- is it having an adverse effect on
 14 the health of individuals that may be exposed to it?
 15 So, there's -- there's -- there are just a lot of
 16 issues involved in each different circumstance and
 17 each -- each different potential source might have a
 18 slightly different answer.
 19 I think the Air Force has -- has
 20 continuously stated that -- that they're responsible
 21 for the contamination. They will maintain that
 22 responsibility until it's resolved to whatever
 23 standards are applicable at the time. But the --
 24 what we're in the process of doing right now is -- is
 25 sifting through what's there, how did it get there

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1 and -- and what kind of problems is it -- is it
 2 causing right now? And there's -- there's technical
 3 issues, there's legal issues and so forth and --
 4 I -- I agree that it would be wonderful to have
 5 someone come in and be able to explain that in a
 6 matter of an hour or two hours. I think it's a -- a
 7 very ambitious goal, but I'm -- I'm certainly --
 8 would welcome anybody -- anybody that thinks they can
 9 come here and -- and make that happen.
 10 Would you care to comment, Mary?
 11 MS. KELLY: No. I don't want to add
 12 to what you said at this time, but I think we can
 13 look at it and give a more-considered response.
 14 BRIG. GEN. MURDOCK: Well, I --
 15 MR. ROBERSON: Well, I think it would
 16 be worthwhile to ask EPA and TNRCC -- not to give
 17 answers to who's responsible, but to perhaps describe
 18 the process they go through that might try to make
 19 that determination.
 20 BRIG. GEN. MURDOCK: I agree. And
 21 I think -- Dick, have you made that an action item?
 22 If you would, make that action item. If that's --
 23 that's the concurrence of the RAB, I would tend to
 24 agree with you. Paul, I think that would be helpful.
 25 MS. HUERTA: If you could just -- who

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1 determines -- the responsible parties in the
 2 process -- and. then -- I think the concern from the
 3 community remains. If our health is in danger -- are
 4 we at a point where we would know or we don't know?
 5 And if we do know, the reassurances that human health
 6 is being protected -- because that's one of the
 7 priorities that we're going to get to. I think it
 8 all comes back, you know, to what are we doing to
 9 protect human health? And, so, maybe if the agencies
 10 could address that, too --
 11 MR. SOLIS: Let me take a minute.
 12 I've spent time on this board for four years. I'm
 13 satisfied that the -- that the problems we have found
 14 have been addressed and that all they have to do is
 15 identify the Air Force -- to reduce the contamination
 16 and continue to see ways to -- to expedite that. So,
 17 it's not a matter of being ignored. It's not a
 18 matter of that. No one listens to you. I think
 19 we're all concerned, but you have to accept the fact
 20 that until further sophisticated equipment is
 21 available to reduce contamination at a faster pace,
 22 we may not be able to get out from under that -- that
 23 estimate of about 28, 30 years for completion of all
 24 the contamination. So, I assure you -- I've been
 25 right here.

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1 MR. BANNER: Tom, can you put the
 2 previous map showing the Zone 4 plume? I think
 3 that's '97 data.
 4 MAJ. DE VENOGUE: Yep, it is.
 5 MR. BANNER: Okay.
 6 MAJ. DE VENOGUE: And it's TCE. It's
 7 not the composite map.
 8 MR. BANNER: Oh, it's not composite
 9 and it's also two-year-old data. So --
 10 MAJ. DE VENOGUE: Yeah. I was trying
 11 to point out the locations of the two sources and the
 12 fact that we're trying to go in and address this
 13 contamination that's coming over here and cut it off
 14 and, also, the contamination coming down this way.
 15 The groundwater flow tends to go in this direction.
 16 MR. BANNER: You might -- you might
 17 note that if you're going to put that map into the
 18 handouts or the mail-outs that go with the minutes --
 19 you might make a notation on there what -- what year
 20 that data is from.
 21 MR. LOZANO: Is that the latest data
 22 you have? '97?
 23 MAJ. DE VENOGUE: No.
 24 BRIG. GEN. MURDOCK: No.
 25 MR. LOZANO: Then, you have to overlay

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1 it with the current data, wouldn't you?
 2 MAJ. DE VENOGUE: That's what we have
 3 back here with these two maps.
 4 MR. LOZANO: That's why I asked the
 5 question a while ago. When will the '98 or some of
 6 that information be put in? That's what I asked back
 7 there.
 8 MAJ. DE VENOGUE: That's -- that's what
 9 you have in your packet there.
 10 MR. LOZANO: Yeah. I see it -- as far
 11 as it goes. But you-all have to define it in layman
 12 language, too -- and I think most of the RAB has been
 13 asking -- I can see it in all the minutes here.
 14 BRIG. GEN. MURDOCK: Okay. We will
 15 attempt to define it in as clear as terms as
 16 possible.
 17 MAJ. DE VENOGUE: Okay. Moving right
 18 along, the last area is Zone 5 up and on the northern
 19 part of the base. This is the public meeting I
 20 referred to earlier we had on the 11th of May where
 21 we talked about the soil excavation project that's
 22 going to -- that's going to happen this summer. It's
 23 still going to happen this summer, but we've had a
 24 slight delay and we'll be getting out there in the
 25 August time frame. It's going to be, really, a

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1 two-pronged approached. We're trying to go in and
 2 remove what is called "the source area" and,
 3 primarily, that's a contaminant called chlorobenzene
 4 that's gotten into the groundwater. There's still a
 5 very concentrated area that we're going to try to get
 6 in and excavate and remove that to a landfill off
 7 base and backfill the site and, then, do what's
 8 called a -- again, the soil vapor excavation
 9 technology -- also, to address some of the volatiles
 10 up above the concentrated area. So, that will all be
 11 happening in the August time frame and should have
 12 the SVE -- soil vapor excavation system in -- in --
 13 by October. That is actually, also, a continuation
 14 of an interim action -- that is, it's not going to be
 15 the final -- we hope that it will be the final,
 16 but -- again, we're trying to get ahead of the
 17 process here a bit and put in a technology that we
 18 think is going to be the final answer rather than
 19 wait until the end of the process where we've studied
 20 everything. We're going to have to try to implement
 21 something now and as -- as you may recall, we already
 22 have some groundwater extraction wells there, too,
 23 already, which seem to be functioning along with
 24 natural attenuation that's occurring with the
 25 chlorobenzene contamination that's moved off base.

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1 Does anybody have any questions on any
 2 of those sites? I know that's a lot of information
 3 to digest and -- and if you'd like, I can -- I'm
 4 available to sit down afterwards and talk to you
 5 about some of the details here. Any questions?
 6 MS. JOHNSON: Major, I would like to
 7 ask a question.
 8 MAJ. DE VENOGUE: Yes, ma'am.
 9 MS. JOHNSON: While you're extracting
 10 that soil from that area, is it going to have -- is
 11 it going to be monitored around there for the air
 12 emissions?
 13 MAJ. DE VENOGUE: Yes, ma'am. As -- as
 14 our contractors talked about it on 11 May,
 15 they're going to have air sampling equipment and they
 16 are also going to have a -- they're going to put down
 17 a suppressive foam layer. They're going to lay down
 18 some foam on top of the soil so it will reduce both
 19 the -- the dust --
 20 MS. JOHNSON: Well, they have already
 21 done -- or it was something that killed all the grass
 22 and they have removed it. It sat there for a while
 23 and, then, finally, they removed it -- all the grass
 24 that had died and raked it up and they took it off.
 25 And I'm wondering when you're extracting that dirt in

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1 get in the way and the idea of having a facilitator
 2 is great. I think we definitely need to have that,
 3 if we're going to do this, but I think it also needs
 4 to be a closed meeting for RAB members only.
 5 MR. ROBERSON: Are we subject to the
 6 open meeting -- Texas Open Meetings Act? We're not.
 7 Okay.
 8 MS. KELLY: No, sir. But by the
 9 charter -- the charter states what has been the
 10 understanding, I think, of the -- this RAB
 11 historically -- and, that is, we abide by the spirit
 12 of the Open Meetings Act even though we're not
 13 strictly subject to it because you're not a political
 14 subdivision of the state, but meetings are open to
 15 the public and information is available to members of
 16 the public.
 17 MR. ROBERSON: See, I think you always
 18 run the risk when you hold closed meetings for a
 19 forum like this of people being suspicious of what
 20 you're doing and my inclination would be to leave it
 21 open.
 22 MR. SANCHEZ: We've had meetings --
 23 workshop meetings -- of the RAB that were not --
 24 you know, primarily attended by -- RAB meetings that
 25 were facilitated by a facilitator and they worked out

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1 very well. Primarily, the people that attended were
 2 the RAB board members, because they're the ones who
 3 were involved in the -- in the discussions and
 4 issues, so -- I think you should leave it open,
 5 you know -- because the people that are going to
 6 attend are RAB board members.
 7 BRIG. GEN. MURDOCK: And it certainly
 8 doesn't matter to me. It's your decision and I -- I
 9 just want to pass on the information and see if you
 10 would agree with that, but however the RAB so
 11 desires -- to have it open or closed, I'm amenable
 12 to.
 13 MR. ROBERSON: Well, let me make a
 14 motion -- I'd like to make a motion that we do have
 15 the workshop. that we do bring in a facilitator to
 16 help us facilitate the discussion and we need to make
 17 it open.
 18 BRIG. GEN. MURDOCK: Okay.
 19 MR. PERSON: I'd like to go along with
 20 the first two parts of that and leave the last one
 21 out.
 22 MR. ROBERSON: Okay.
 23 MR. PERSON: I mean, if we're going to
 24 be sitting and talking about -- pointing fingers
 25 across the fence, I think that the discussion needs

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1 to be only between us.
 2 MR. ROBERSON: All right. How do we
 3 do that? I've made a motion and he's offered an
 4 amendment to the motion. How do we vote on that?
 5 MS. KELLY: You vote on the amendment
 6 first, sir, and, then, the -- you could accept the
 7 amendment as a friendly amendment. If instead you do
 8 not -- you -- you vote on the amendment separately
 9 first and, then, the whole motion.
 10 MR. ROBERSON: We ought to vote on the
 11 amendment first.
 12 BRIG. GEN. MURDOCK: So, I guess the
 13 first order of business is to vote on whether you,
 14 the RAB members, would prefer to have the meeting
 15 open or closed. I guess I would begin by asking all
 16 those that would elect to have the meeting open,
 17 signify by raising your hand, please.
 18 (Vote by the RAB members.)
 19 MR. BANNER: Are these all RAB members
 20 that are open or just the public -- voting -- or
 21 just the public RAB members?
 22 BRIG. GEN. MURDOCK: All -- all the
 23 RAB members would be my -- my view of the -- all
 24 those -- Thank you. All those opposed or wishing to
 25 have a closed meeting for the workshop?

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1 (Vote by the RAB members.)
 2 BRIG. GEN. MURDOCK: Okay. The
 3 consensus -- or the majority is certainly to have an
 4 open meeting. So, we will -- if the amendment
 5 passes, we will plan on having an open meeting.
 6 And, now, I'd like to address the
 7 amendment as to the RAB's desire. Do you, in fact,
 8 desire to have a -- a workshop meeting to discuss the
 9 off-base contamination issues and utilize the
 10 professional expertise of a facilitator to keep that
 11 meeting on track and to -- to ensure that we are
 12 focused on those issues? All those in favor of that,
 13 please signify by raising your --
 14 MR. BANNER: General, before we vote
 15 on that, I want to just clarify what the meeting's
 16 objective is going to be. I think by doing that --
 17 by -- by clarifying what the objective is -- you
 18 might assuage some of the concerns that -- that we've
 19 heard regarding having the meeting closed.
 20 BRIG. GEN. MURDOCK: I think the
 21 bottom line -- my -- my view would be: How we as a
 22 RAB can best consolidate the issues that are of
 23 concern with the community for off-base contamination
 24 and present them in the best vehicles in a manner in
 25 which to present those issues to the community.

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1 MR. BANNER: So, there, obviously,
2 you're -- you're going way beyond just the issue of
3 whose contamination it is. I guess that's part of
4 the reason that there was that concern for having it
5 closed -- is that -- that the meeting would degrade
6 into a finger-pointing -- to quote the words that --
7 that he used -- a finger-pointing exercise. I mean,
8 its sounds like you're looking for a much -- a much
9 broader objective for the meeting.

10 BRIG. GEN. MURDOCK: That's correct.

11 MR. BANNER: So, it would cover issues
12 of risk assessment, things like that -- what's --
13 what's the risk from the off-site plume and what are
14 the Air Force's objectives for cleaning --

15 BRIG. GEN. MURDOCK: For cleanup --
16 and -- and, then, how to best articulate that --
17 that to the community and get feedback from the RAB
18 members, if -- at least, the current approach that is
19 envisioned is, in fact, agreeable with the RAB
20 members and what their community constituents believe
21 to be a good course of action. It's -- a
22 give-and-take discussion would be my -- my view of it
23 and, then, to present that to the community.

24 MR. BANNER: Would you envision that
25 the meeting would also include Ms. -- Ms. Huerta's

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1 concern for -- I think it's an action item that was
2 put up there regarding whose responsibility --
3 responsible parties, process, who determines
4 responsible parties? Did you envision that it would
5 include that or were you looking at having that topic
6 covered at the next RAB?

7 BRIG. GEN. MURDOCK: I hadn't thought
8 about it.

9 MS. HUERTA: That was my concern --
10 about neutralizing things just because -- sometimes
11 when we meet -- we meet as a board, there's different
12 levels of responsibilities for agencies that we
13 represent and sometimes things are not said or can't
14 be said because people are afraid of the liability
15 and we don't -- we don't need to go there, if we're
16 looking at how best to send information on cleanup
17 and safety to a community. I mean, it has to be
18 above that finger-pointing and -- and whose
19 responsibility it is. We have the information. Now,
20 how is the best way to present it, I think, is our
21 question.

22 MR. BANNER: You know, I -- I think
23 that you raise good -- good issues and I think it --
24 it maybe would be prudent to better formulate what
25 the objectives of the meetings are -- what a --

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1 what a workshop would be -- and, then, maybe mail it
2 out to the RAB members and, then, take a vote -- take
3 a vote that way -- take a vote on whether we want to
4 do the workshop after we've -- we've seen a clearly
5 itemized list of objectives and -- and topics to be
6 covered in the workshop.

7 MS. HUERTA: And my concern may be the
8 timing, too. If we expect the Health Department and
9 the ATDMS (sic) -- S -- to come out with this report
10 in the near future, do we want to do this before that
11 report comes out or do we want to wait until the
12 community workshop has been held, as far as the
13 timing? I'm not saying don't do it. It's just the
14 timing.

15 BRIG. GEN. MURDOCK: That's up to the
16 RAB. The only reason I suggested August was I -- my
17 promise to you, the RAB, is that the Air Force would
18 provide this information this summer. My view is
19 that the summer is over in August and, so, I was
20 attempting to abide by what I had originally stated.
21 But if the RAB would elect to look at this workshop
22 at a later time frame and maybe discuss more
23 definitive goals and objectives, I'd be glad to -- to
24 certainly agree with that and provide a communique to
25 each of the RAB members that articulates the goals

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1 and objectives and for your thoughts and comments --
2 and, then, we can set a date at a later time, if
3 that's the -- the wish of the RAB.

4 MR. HAGELTHORN: My concern is --
5 based on what has just transpired here -- is with the
6 exception of a facilitator, there's really no
7 difference between this proposed workshop and the
8 Technical Review Subcommittee. So, why not just
9 incorporate the facilitator into your Technical
10 Review Subcommittee and discuss these items there
11 instead of having another meeting of the same
12 information?

13 BRIG. GEN. MURDOCK: My -- my intent
14 was another meeting because my perception is there's
15 an awful lot of interest amongst the RAB members as
16 to what the Air Force is going to do for off-base
17 contamination and we have promised to articulate that
18 in the near term and --

19 MR. HAGELTHORN: And that's what I'm
20 saying -- that the TRS is the appropriate -- in my
21 opinion, the appropriate avenue to do that. I mean,
22 that -- that's what they were charged with doing in
23 the first place and any member of the RAB is invited
24 to participate in that committee. So, if they're not
25 participating in the committee, that's their own

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1 fault. So, why have another meeting that's going to
2 cover the same information that Dr. Lene covers in --
3 in that meeting?

4 BRIG. GEN. MURDOCK: I can certainly
5 do that.

6 MR. SOLIS: You know, I suspect --
7 first, I'm satisfied that the Air Force has worked in
8 good faith and put forward all available efforts to
9 resolve the problem -- to identify the problem, nail
10 it down and start action to clean the environment.
11 Now, I think our problem has been -- we have not been
12 able to articulate this so that people can
13 understand, "Here's where we were four years ago.
14 Here's where we are today and this is what's
15 ongoing." And, again -- we can rely on the expertise
16 of the geologists and other related experts as to
17 what's below the ground. Again, I feel very strongly
18 that the Air Force has in good faith -- no question
19 about -- no question in my mind -- but somehow we
20 have failed to articulate it. It's been done and
21 some of it has to be how -- how we present it.
22 But --

23 BRIG. GEN. MURDOCK: Well, lots of
24 different ideas and thoughts and I -- I turn to you,
25 the RAB members, to -- and I guess to the -- our

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1 put it in layman's terms. Yes, we need more
2 engineers and engineers typically can arrive at
3 solutions to problems, but they're -- they -- they
4 typically speak in very esoteric terms and --
5 you know, we've got to somehow translate all the --
6 all the scientific information into things that we as
7 lay people can appreciate and -- and determine how
8 that affects our lives and -- and the concerns that
9 we have with respect to this RAB. I would also
10 suggest that it is an advisory board, that the
11 Air Force is under no obligation necessarily to do
12 anything else other than to listen to what this board
13 recommends and take that into consideration in
14 whatever it chooses to do or not to do, to the extent
15 that it's scientifically and financially reasonable
16 otherwise.

17 In terms of a facilitated meeting,
18 I -- I -- I've been with the Health Department for
19 about three years now. In no other organization I've
20 ever been associated with have we made the extensive
21 use of a facilitator. There's been a number of times
22 where I -- I didn't think a facilitator was
23 necessary, but once the meeting started, it became
24 very apparent that the facilitator did add a great
25 deal to the meeting, not from a technical standpoint,

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1 de facto parliamentarian -- and suggest how we -- how
2 you want to proceed on this issue -- apparently, lots
3 of varied thoughts and -- and ideas from delay to
4 more clearly defined issues.

5 MR. BOTELLO: You have a motion on the
6 floor, right? Is there a motion on the floor?

7 BRIG. GEN. MURDOCK: That's correct,
8 yes, there is.

9 MR. BOTELLO: And has it been
10 seconded?

11 MR. SOLIS: No, sir, no second.

12 MR. PERSON: That's just on the
13 meeting, though -- the date, correct?

14 BRIG. GEN. MURDOCK: That's correct.

15 MR. PERSON: Because the date's not
16 good and I'd hate to miss this meeting.

17 MR. JACOBI: You know, from a
18 parliamentary standpoint, I think there's a number of
19 different ways we can handle this. You know, in my
20 view, we -- we need to clearly define what we're
21 trying to accomplish at this particular meeting. It
22 sounds to me a lot like -- not -- not only Technical
23 Review Subcommittee, but perhaps even a RAB meeting
24 in its entirety. One of the issues that I see is
25 being raised -- significant -- is -- is trying to

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1 but from the standpoint of staying on track and
2 staying focused and neutralizing unnecessary
3 confrontations. So, I -- number one, I -- as -- as
4 an individual member of the RAB, I support the
5 concept of having a facilitated meeting, but I do
6 think that we need be very careful about how --
7 what -- what our expectations are -- what do we
8 expect to achieve by having this meeting? And were
9 it up to me as an individual, I would give
10 General Murdock the opportunity to closely define
11 these expectations, publish those to the members of
12 the RAB, get feedback and, then -- and, then, go
13 ahead and -- and have the meeting, assuming that
14 there's some sort of consensus based on the feedback
15 that he gets from the initial inquiry.

16 From a -- from a parliamentary
17 standpoint, how do we accomplish that? Well, we --
18 we can probably have a motion to essentially do that
19 in effect and afford him the authority and
20 responsibility to develop that charter for this
21 particular meeting, give the feedback, see if a
22 consensus is arrived at and either schedule the
23 meeting or present it at the next RAB meeting -- to
24 have a similar meeting at a future date.

25 As far as the ATSDR report is

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1 concerned, if I understand correctly, that's pretty
 2 much completed with the exception of the air issues
 3 and -- so -- you know, if you're concerned about the
 4 groundwater issues and -- and the dirty dirt or soil,
 5 a lot of that -- a lot of those issues might be
 6 addressed in that report. I've not personally seen
 7 the draft or any of the earlier drafts, but --
 8 you know, we can always wait for additional
 9 information -- we can always get additional
 10 information. If we continue to wait for that
 11 additional information, though, we'll probably never
 12 get anything done. I -- I do strongly support the
 13 Air Force's concept of -- of trying to do things that
 14 they think will work in the long-run and -- and --
 15 and taking a proactive approach in terms of trying to
 16 remove the sources -- and as soon as the sources are
 17 removed, then go the next step to try and look at the
 18 long-term approach and find out how clean is clean
 19 for a particular area and -- and move forward to try
 20 and achieve whatever those standards might be.
 21 Dr. Lene, would you care to offer any
 22 comments as chairman of the Technical Review
 23 Subcommittee and -- and community co-chair?
 24 MR. LENE: Well, yes. I -- I agree we
 25 need a workshop and I do -- I am -- I am in favor of

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1 a facilitator. I think that, maybe, some people are
 2 getting facilitator confused with mediator and that's
 3 not the intent. I think, of the workshop. I think
 4 the idea is to be informative.
 5 MR. SANCHEZ: I -- you know, I -- I --
 6 I support the whole idea of a meeting for off-base
 7 contamination. I think that -- for the RAB,
 8 I think -- for all the reasons that we've already
 9 laid out here right now -- we've -- you know, we've
 10 already tied up a lot in the meeting just discussing
 11 this and we haven't -- and we can see that it is a
 12 difficult thing for us to arrive at by ourselves, but
 13 I think we also need -- we need to devote a -- some
 14 discussion with the community outside of Kelly Air
 15 Force Base, what -- what those issues are, what has
 16 been done, what we know about it, what we don't know
 17 about it -- you know, there's just a lot of
 18 information -- and -- and, really, there's -- and
 19 we may be -- we are just an advisory board, but we're
 20 the only -- only advisory board on this issue that
 21 is -- have been convened for this -- for the
 22 community to -- to do that. So, it's very important,
 23 I think, for us to be able to -- to at least know
 24 amongst ourselves what those issues are, be able to
 25 communicate them -- and -- and, really, the

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1 whole -- there's a lot of ways this could be done,
 2 General. If -- if the RAB goes ahead and -- and --
 3 and votes to authorize for a meeting like this, we
 4 could do a small working group to meet with a -- the
 5 facilitator to outline those objectives -- goals and
 6 objectives -- that -- that we'd like to see discussed
 7 and -- that's what a facilitator does. They -- they
 8 zero in and they focus on what you are trying to
 9 communicate in the -- in the -- in the -- in the
 10 short descriptive -- description of the -- of the
 11 project that -- that is, in essence, what it is -- to
 12 communicate. The TRS has its role and it's a very
 13 technical role that we -- we see a lot of
 14 communication there among the agencies -- that is not
 15 really what we're talking about -- and I think I --
 16 Professor Lene would agree with me on that, as well.
 17 We need to talk now about off-base contamination.
 18 MR. ROBERSON: I'd just like to say,
 19 I -- I think the idea of a workshop is excellent.
 20 I mean, I just have to warn the RAB members there's a
 21 lot of misunderstanding or bad communication --
 22 you know, fundamental issues -- like how big is the
 23 plume, who's responsible for it, does it really --
 24 I mean, there's just all kinds of stuff that we need
 25 to work together on to try to get a better

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1 understanding of.
 2 I think the idea of, maybe -- I think
 3 Sam's idea of maybe putting together a smaller group
 4 to define some specific objectives and work with the
 5 facilitator has some real merit and maybe -- maybe
 6 shoot to do it after the 24th. Probably -- it would
 7 always be this lingering question in our minds about
 8 what's in the ATSDR report if we don't wait until
 9 that comes out. So, maybe after the 24th, but put
 10 this group together first to help define objectives.
 11 BRIG. GEN. MURDOCK: If you all agree,
 12 why don't -- why don't I send you each individually a
 13 letter to re-articulate the general theme of what it
 14 is that I think we want to discuss and ask for
 15 volunteers to form a small group, work with a
 16 facilitator, come up with specific objectives and
 17 then get that back out to you and -- and we'll work a
 18 date after the ATSDR report. Does that seem like a
 19 reasonable approach -- or consensus from the group?
 20 MR. PERSON: The 31st is the following
 21 Tuesday and it's a week after the report is due,
 22 correct?
 23 BRIG. GEN. MURDOCK: I don't have a
 24 calendar, but I assume that it is, yeah.
 25 MR. PERSON: A good date.

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1 BRIG. GEN. MURDOCK: Okay?
 2 MR. JACOBI: Is there a motion to that
 3 effect?
 4 MR. ROBERSON: Let me amend my -- my
 5 motion to say what General Murdock just said.
 6 MR. JACOBI: Did everyone understand
 7 the motion?
 8 MR. ROBERSON: To -- we -- we will
 9 endorse a meeting, there will be a small group put
 10 together to work objectives and to work with the
 11 facilitator, General Murdock will come back to us
 12 with some specific dates and it will be after the
 13 24th of August?
 14 MR. BANNER: More importantly --
 15 MR. SOLIS: Second the motion.
 16 MR. BANNER: -- the votes that -- the
 17 General's -- the General's letter will have a
 18 proposed agenda which the work group will ratify?
 19 BRIG. GEN. MURDOCK: My envision would
 20 be that the work group would help develop --
 21 MR. BANNER: Would help develop it?
 22 And at what point are we going to decide who's in
 23 this work group and how will that -- how will that be
 24 done?
 25 BRIG. GEN. MURDOCK: I'll ask for

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1 probably nothing in here that can't wait, but maybe
 2 I'd ask the RAB for consensus on that. I'd be more
 3 than happy to do it. But --
 4 BRIG. GEN. MURDOCK: Which would the
 5 RAB prefer to do? Delay and have a ten-minute break
 6 now or try and have a short presentation from both
 7 presenters?
 8 MR. PERSON: I move we postpone it
 9 until the next meeting.
 10 MR. SANCHEZ: I agree.
 11 BRIG. GEN. MURDOCK: There seems to be
 12 consensus to --
 13 MR. ROBERSON: I'll tell you what we
 14 ought to do, though --
 15 BRIG. GEN. MURDOCK: But maybe we can
 16 provide --
 17 MR. ROBERSON: What I will do is --
 18 we'll provide copies -- when we send the minutes out,
 19 a copy of this so everybody will see it beforehand
 20 and that might prompt a better discussion next time.
 21 BRIG. GEN. MURDOCK: That's -- that's
 22 good. And I think Antwine has a copy -- or has a
 23 formal brief, too, and we'll include the AFBCA slides
 24 in the minutes.
 25 So, with that, let's take a ten- --

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1 volunteers.
 2 MR. BANNER: Okay.
 3 MR. ROBERSON: I think you've got one
 4 here.
 5 MR. JACOBI: I think there's a motion
 6 on the floor and it's been seconded. Do I hear the
 7 question? Any further questions?
 8 BRIG. GEN. MURDOCK: A vote by all
 9 those in favor, please say "aye."
 10 (Vote by the RAB members.)
 11 BRIG. GEN. MURDOCK: Opposed?
 12 (Vote by the RAB members.)
 13 BRIG. GEN. MURDOCK: Done. Any other
 14 questions, comments, concerns on the cleanup systems
 15 update in general?
 16 Okay. With that, let me ask
 17 Mr. Roberson to give us an update, as you had
 18 requested, on GKDC redevelopment issues and, then,
 19 we'll have the Air Force Base Conversion Agency folks
 20 give a brief update on --
 21 MR. ROBERSON: You know, if I --
 22 we're -- we're running almost an hour late. The --
 23 I guess I could give you an alternative. I could
 24 do an abbreviated version of this or we could
 25 postpone this till the next meeting. There's

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1 I'll tell you what I'd like to do is take the
 2 ten-minute break now and, then, ask if --
 3 Mike Gonzales to present his -- his briefing after a
 4 ten-minute break. So, why don't we do that?
 5 (Recess taken.)
 6 BRIG. GEN. MURDOCK: If I could -- if
 7 I could ask the RAB members to please take their
 8 seats, we'll continue.
 9 At this time, what I'd like to do is
 10 introduce Mr. Mike Gonzales from the San Antonio
 11 River Authority for a presentation -- lots of
 12 different concerns and issues as they relate to the
 13 San Antonio River -- and, Mike, I appreciate you
 14 coming out to articulate the current status of these.
 15 MR. GONZALES: Thank you, General.
 16 San Antonio River Authority was contacted by the
 17 Environmental -- or Restoration Office at the
 18 San Antonio Air Logistics Center and what they had
 19 asked us to do -- Well, first, they asked us, "What
 20 do we know about the river?" And we told them we
 21 know quite a bit about the San Antonio River because
 22 we're on it every day and we try to keep tabs of
 23 what's going on -- whether it's improving or what the
 24 status is and they asked us to submit a proposal on
 25 trying to determine the current status of the river

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54052
Aurora Martin

INTERIM STATUS REPORT 20 JULY 99 RAB ACTION ITEMS

Status as of 21 July 1999

ITEM	REQUESTOR	REQUEST	OPR	STATUS
1	Ms Huerta	Provide slides from EMR Update presentation with minutes.	deVenoge	did I email these to Wayne
2	Mr. Lozano	Explain what standards apply to treated groundwater that goes into a re-use pipeline and who regulates it.	Ryan Banner Stankosky	TNALL 335?? - poor Lwl Gordon
3	Mr. Solis	Provide copies of briefing slides in the member packet at the meeting, so that RAB members can follow along.	deVenoge	Wayne?
4	Ms Huerta	Asked for a clear definition of the groundwater plume(s) and the concentrations found in them.	Ryan	CALL TANYA?
5	Ms. Johnson	Please provide health and safety precautions information on the Site S-1 soil cleanup project (air/vapor monitoring, truck routes, covers on loads, foam, etc.).	deVenoge Cisneros	Call Mrs. Johnson -- Is she ok?
6	Various	BGen Murdock provide letter with idea on the RAB off-base cleanup workshop objectives and call for volunteers to a steering committee to develop concept.	deVenoge	DEPT TO discuss w/ Davey Montenegro
7	Various	Include GKDC and AFBCA slides with minutes of 20 Jul 99 RAB meeting.	Roberson McCullough WALTERS	do I have reviewed AFBCA
8	Ms. Huerta	Put together a history or chronology of cleanup issues so that knowledge is not lost with staff changes and new RAB members can see what has been resolved in past years.	Walters Ryan	Jammie will call

✓
William
✓
JENNIFER
Provide H.O.'s from meeting
set H.O.'s from IT

We felt it was being done
Henry's chair
up. I think ground stream beds
- 4 wells by Leon cord
Report say they're not
in right spot. We're
Mrs. Singh 'em
Need to

↓
- Correspondence folder
- transcripts
- minutes
- agendas
-
-
Vynid
Chloride

L - FAQs
- Dick's chronology

Additional Items Generated During 21 Jul 99 RAB Follow-up Meeting with CV

Item	Action	OPR	Status
A			
B			
C			
D			
E			
F			
G			

- letter ^{from} ~~to~~ Lent requesting SPD/TMCC
 comment on the TAPP doc.

Proposed Agenda Items for 5 Oct 99 RAB Meeting

1. Process for determining responsible parties when groundwater contamination is discovered (EPA and TNRCC)
2. Review Off-Base Cleanup Workshop details.
3. AFBCA and GKDC Redevelopment Briefings (postponed from 20 Jul 99)
4. AF/EPA/TNRCC responses to TAPP Provider's critique of Semiannual Compliance Document.
5. Environmental Priorities Recap (Dr LENE)
6. Community Relations and Outreach.

7. TAPP - Newhey

INTERIM STATUS REPORT 20 JULY 99 RAB ACTION ITEMS

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ITEM	REQUESTOR	REQUEST	OPR	STATUS
1	Ms Huerta	Provide slides from EMR Update presentation with minutes.	deVenoge	
2	Mr. Lozano	Explain what standards apply to treated groundwater that goes into a re-use pipeline and who regulates it.	Ryan Banner Stankosky	
3	Mr. Solis	Provide copies of briefing slides in the member packet at the meeting, so that RAB members can follow along.	deVenoge	
4	Ms Huerta	Asked for a clear definition of the groundwater plume(s) and the concentrations found in them.	Ryan	Need clarification from Ms. Huerta 225-2406.
5	Ms. Johnson <i>Who is Cega President</i>	Please provide health and safety precautions information on the Site S-1 soil cleanup project (air/vapor monitoring, truck routes, covers on loads, foam, etc.).	deVenoge Cisneros	
6	Various	BGen Murdock provide letter with idea on the RAB off-base cleanup workshop objectives and call for volunteers to a steering committee to develop concept.	DeVenoge Cisneros	
7	Various	Include GKDC and AFBCA slides with minutes of 20 Jul 99 RAB meeting.	Roberson McCullough	
8	Ms. Huerta	Put together a history or chronology of cleanup issues so that knowledge is not lost with staff changes and new RAB members can see what has been resolved in past years.	Walters Ryan	T.H.T.D. file

in process of developing a historical piece/brochure that can be used for the general community

Tanya additional questions before visit

Due to AF commitment, AFBCA Kelly employees have transitioned - human context

• Gen Murdock wants

• Send Gen Murdock reminder note regarding calls to select

• Wants more info regarding what contaminants are found where and in what concentrations levels.

• Wants more information on the contaminants that EPA monitors / when they began monitoring them

• wants to know how current systems will deal with

Additional Items Generated During 21 Jul 99 RAB Follow-up Meeting with CV

Item	Action	OPR	Status
A	Prepare synopsis of Community Outreach and Schools Outreach (what we have done, what we anticipate doing)	Walters	In progress
B			
C			
D			
E			
F			
G			

"heavier contaminants that move into those stream beds that the TAPP contractor discussed."

RAB members regarding workshop volunteers.

Bob Ascroft - Planning meetings - 3rd week
- Preparation of Report -

STAFF SUMMARY SHEET

4-3-025

	TO	ACTION	SIGNATURE (Surname), GRADE AND DATE		TO	ACTION	SIGNATURE (Surname), GRADE AND DATE
1	SA-ALC CCE	Coord	<i>Jochum, Maj 2/18</i> 3/5	6			
2	SA-ALC CV	Signature	<i>Murdoch Lt Col 5 MAR 99</i>	7			
3				8	ROBERT M. MURDOCK Brigadier General, USAF Vice Commander		
4				9			
5				10			

08 MAR 1999

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPIST'S INITIALS	SUSPENSE DATE
Bailey, Lawrence O. /GM-15	EM	5-3100, ext 228	lz	22 Feb 99

SUBJECT	DATE
Letter to RAB members advising them of the new April RAB meeting date and Kelly AFB Site Tour dates	18 Feb 99

SUMMARY
 1. The proposed letter, already coordinated through PA, indicates that CV and Mr. Gene Lené, newly elected RAB Community Co-Chair, have agreed to change the date of the April RAB meeting due to conflicts with Fiesta '99. The proposed letter also informs RAB members of upcoming Kelly Site Tours and advises them of the inclusion of BCT and TRS meeting minutes and January RAB Action Items. These last three items will be included with the final signed letter to the members of the RAB.

2. RECOMMENDATION: CV sign letter at TAB 1.

Lawrence O. Bailey Jr.
 LAWRENCE O. BAILEY, JR.
 Director, Environmental Management

1 TAB
 1. Letter to RAB members

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1 and if the river might be impacted by the plume
2 coming off East Kelly, what might the impacts be to
3 the aquatic biota in the San Antonio River?

4 Now, the study areas that we looked
5 at -- Well, let me back up a little bit. The
6 proposal was basically to go out and do a survey of
7 the aquatic biota -- the fish and the insects and
8 organisms that live in the San Antonio River -- and
9 the water quality and do a survey of that. So, we
10 proposed to do a survey in the spring of 1999, come
11 back and do another survey in the fall of 1999. So,
12 we've completed -- completed our spring survey and
13 the information I'm going to be presenting this
14 evening is what we know about the river thus far.

15 I'm going to give you a little bit of
16 background about the river and -- so this way you'll
17 understand what we're working -- looking at and what
18 we're working with.

19 Now, the section of the rivers that
20 we're looking at is from South Alamo Street on down
21 through the floodway past the mission to Loop 410 --
22 Loop 410 on the south side. That's the reach that
23 could be impacted by the plume and that's the reach
24 of the river that we -- we focused our study area
25 on. Now, that particular reach of the river -- you

1 can see by the slide -- and I -- I know it's a little
2 bit far and you-all may not even be able to see it
3 very clear, but that segment of the river from South
4 Alamo Street down -- downstream is an improved
5 floodway. As the community here in San Antonio -- in
6 order to protect our life and property -- chose to
7 improve that section of the San Antonio River and
8 make it an improved floodway. You can see the
9 slide -- you can tell that along that portion of the
10 river there's no trees, there's no shrubbery, there's
11 no vegetation -- the -- basically, the -- what they
12 call the criterion habitat -- the -- the habitat
13 right along the corridor of the river has been
14 denuded. This is by the Corps of Engineers and
15 when -- the river be maintained this way in order to
16 carry more floodwater. By doing that, the habitat of
17 the San Antonio River has been impacted with -- just
18 because of the lack of habitat. So, we're not going
19 to see the San Antonio River as a pristine spring
20 that -- you can't compare it to the Guadalupe River
21 in New Braunfels or anything like that -- because it
22 is in a floodway.

23 This is just another picture of the
24 floodway here. Now, as the floodway ages -- as the
25 floodway ages, you're going to -- they've -- there's

1 been channeled dams that creates variation. Some of
2 the riffraff -- the boulders and the -- and the --
3 the -- that line the banks of the floodway -- some of
4 those break loose during a storm event -- tumble
5 loose, get down into the -- the actual pilot channel
6 where the water flows in the floodway and the habitat
7 improves. Dirt and soil that wash off people's
8 yards, off the streets, form sediment that get into
9 the bottom of the river and provide a substrate for
10 vegetation -- and as the river ages, these things
11 improve the habitat and we start to see more and more
12 aquatic life -- waterfowl, birds -- these types of
13 things start taking hold in the river and it
14 improves.

15 Part of the impact to the San Antonio
16 River, besides lacking a floodway, are other
17 sources. Gas stations that are nearby that might
18 have a leaking underground storage tank -- there's
19 some -- not -- one source of the pollution. Here you
20 can see a sewer cone -- a manhole -- that's down in
21 the floodway. The corridors along the creeks and
22 rivers in the City of San Antonio are where we lay
23 our sewer lines. Every now and then, they rupture,
24 sometimes they overflow during a storm event -- those
25 also have an impact to the -- to the river and the

1 streams in this area.

2 We also have groundwater sources
3 coming out. Those groundwater sources that -- that
4 come to the creeks and rivers -- they also sometimes
5 carry non-buoyant sources of pollution with the
6 groundwater in some of those seeps -- and every time
7 it rains, we'll have dirt, debris, motor oil,
8 antifreeze, grease -- you name it -- washing off
9 the streets -- paper cups -- you name it -- washing
10 into the river and impacting a lot of our streams.

11 Now, part of what we wanted to do
12 during this study and the survey was to determine if
13 there are any volatile organic analytes entering the
14 San Antonio River and whether or not they're having
15 an impact. So, we went out, we sampled wherever any
16 groundwater was entering the San Antonio River or
17 tributaries to the San Antonio River -- we looked at
18 Alazan and Apache Creeks, we looked at
19 San Pedro Creek that is a tributary to the
20 San Antonio River and we looked at the San Antonio
21 River to start off with. We -- besides the
22 groundwater, we went out and actually sampled the
23 streams themselves -- San Antonio River and the
24 creek -- to find out if there was any impact in the
25 creek itself. Along with the water quality

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1 information, we collected the flow information. This
 2 would all give us an indication of the quality of the
 3 habitat that we're having in the San Antonio River
 4 and its tributaries. We collected habitat
 5 information, how it has improved, what -- how that is
 6 impacting the San Antonio River and its tributaries,
 7 as well. Then we went out to sample aquatic biota.
 8 We did some electro-fishing surveys where we actually
 9 collected fish that live in the creeks and the
 10 river. We enumerated those species -- the -- the
 11 different kinds of fish and determined what that fish
 12 community looks like -- and one of the sayings we
 13 have at the San Antonio River Authority is we let the
 14 critters in the creek tell us what's going on. And,
 15 so, by enumerating the -- the fish instead of looking
 16 at a community of fish that live in the San Antonio
 17 River, we can tell how good or bad it is -- and it
 18 rates on a scale of zero to 60 -- 60 being optimum.
 19 We got in there and we sampled all the
 20 habitat types we could. There are ripples -- there
 21 are pools where the water moves slower, where the
 22 water moves faster, where maybe something has fallen
 23 into the river and created an obstruction -- some
 24 habitat. We got in and around all those little
 25 areas -- where tributaries merge is always a good

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1 habitat. So, we tried to get the best information we
 2 could along the San Antonio River to determine what
 3 the habitats are.
 4 Now, this here is a picture of a
 5 Rio Grande cichlid. People call them Rio Grande
 6 perch here, locally. Kids love to catch them on a
 7 fishhook. They thrive throughout South Texas. Also,
 8 there's another species called the African cichlid --
 9 the Mozambique tilapia. These tilapia and these
 10 cichlids -- they're all cichlid species -- are
 11 indicators of a poor habitat or a stressed habitat or
 12 something not being just right with the stream. When
 13 these species dominate, that gives us biologists at
 14 the River Authority an indication something's wrong,
 15 something's impacting the system. In years past,
 16 when we'd survey the river -- we used to catch these
 17 by the tons in our survey -- all the cichlid
 18 species. Another species -- we can't see this one --
 19 dominates when the rivers and the streams are in poor
 20 condition -- would be the Amazon Molly. This is
 21 primarily a vegetarian fish and they thrive --
 22 they -- they like the hot water -- they like -- they
 23 can thrive in polluted water where other sensitive
 24 species can't.
 25 Now, during this survey we were very

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1 pleased to find -- you can't see this one -- but this
 2 particular species is what they call a stone
 3 roller -- a central stone roller. It's listed by the
 4 EPA as an intolerant species -- that means that
 5 it's -- it's a very sensitive species and it dies
 6 very easily when it is impacted. Another species
 7 that we found in good numbers was this -- people --
 8 you-all -- lay people will probably call this a
 9 perch, but there are six different kinds of perch
 10 that live in the San Antonio River and this one
 11 here -- when we find this one, we're tickled to
 12 death. This is what's called a long-eared sunfish.
 13 This fish is also considered very intolerant by the
 14 EPA and -- and fishery experts -- and when this fish
 15 is prevalent and in a dominant capacity, it increases
 16 the ratings that we give the river and we find this
 17 to be very good.
 18 Now, in our survey from 1999, we found
 19 large numbers of the central stone roller -- and we
 20 weren't expecting that -- that was a very pleasant
 21 surprise for the biologists at the San Antonio River
 22 Authority -- and we found good numbers of the
 23 long-eared sunfish. We did find a good, diverse
 24 species -- a very thriving healthy fish community
 25 and -- I'll get into the data right now to give

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1 you -- what some of these numbers might mean, but
 2 keep in mind that the San Antonio River is not a
 3 pristine river because it lacks habitat. During the
 4 summertime -- since there are no shade trees along
 5 the San Antonio River -- it can be very, very hot and
 6 the fish species just don't do well because of the
 7 high temperatures -- because we don't have the
 8 shade -- the big Cypress trees like they have on the
 9 Guadalupe keeping the river cooler.
 10 The river is also impacted this
 11 year -- and one of the reasons why we think we have
 12 better numbers this years is because we have had a
 13 wet spring and, so far, we've had a wet summer. So,
 14 the flows on the river are real well (sic). So, this
 15 gives us a real good picture of this section of the
 16 San Antonio River at its optimum and -- we'll go
 17 ahead and put some of the data of our findings up and
 18 I will try to explain these to you, as well.
 19 In 1996 -- in 1996, we did a survey
 20 that -- the San Antonio River Authority is under
 21 contract with the TNRCC to do what we call the
 22 Clean Rivers Program, so we monitor the San Antonio
 23 River and all the major tributaries of the
 24 San Antonio River and every two years we were
 25 generating a report. Well, in our 1996 report --

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1 this -- we -- we collected this data along this
 2 section of the San Antonio River and -- the marks
 3 that I've got there in red indicate the same stations
 4 that we also looked at again in 1999. But if you
 5 look at the San Antonio River at South Alamo Street,
 6 it rated poor and it had an IBI score -- remember,
 7 I told you zero to 60 -- of 28, which is not very
 8 good when you've got a scale of zero to 60. The
 9 San Antonio River at Mitchell Street rated a poor,
 10 also. It had a -- had a score of 30. And, then,
 11 San Antonio River at Loop 410 rated a -- a fair score
 12 of only 40. Now, this was in 1996. Okay? And -- if
 13 we look at our 1999 scores that we had on the
 14 San Antonio River, the San Antonio River at -- let's
 15 see -- number one is South Alamo Street -- it went
 16 up from a 28 to a 38 from 1996 to 1999. So, the
 17 river has gotten better from '96 to '99.
 18 San Antonio River at Mitchell
 19 Street -- it went from a 30 to a 34 -- and, then, we
 20 moved down to San Antonio River at Loop 410 -- it
 21 went from a 40 to 42 -- and, then, down at the bottom
 22 just above -- it's down close to the Medina River --
 23 it went to from a 40 to 48. So, the San Antonio
 24 River has improved considerably since 1996 and -- so,
 25 we weren't seeing a detrimental impact. So --

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1 so far, we know that the San Antonio River has gotten
 2 better than it was in the past. We've been
 3 monitoring the San Antonio River since 1987 and we've
 4 got numbers similar to these that track it over the
 5 years and -- we thought the river was doing great in
 6 1996 and we figured that's probably as good as an
 7 urban stream could get -- and, then, lo and behold,
 8 in 1999, we find that the river is even better. I
 9 attribute this to San Antonio Water Systems having an
 10 improved way of maintaining the sewer systems and I
 11 think more and more people are taking care not to
 12 dump their motor oil or their antifreeze and stuff on
 13 the ground and down storm drains and people on the
 14 Riverwalk area are not throwing so much leftover food
 15 and things in the river. So, we're seeing an
 16 improved river all the way around -- because people
 17 in the community are a bit more cognizant and trying
 18 to take care of their river.
 19 Now, we also got some water quality
 20 data. We -- We were concerned with TCE and DCE and
 21 PCE and some of these contaminants that could be
 22 migrating off of East Kelly and the -- we wanted to
 23 find out -- are they in the river -- are we finding
 24 them -- and as we went out and we took some
 25 samples -- we went out and -- then had these samples

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1 analyzed in a laboratory to find out if these
 2 constituents were present -- and we're looking at
 3 some of these constituents in the part per billion
 4 range and that's the -- the -- the detectable levels
 5 that some of these instruments go to -- and to
 6 explain to some of the lay people -- and -- and I
 7 always do this when I make a presentation. I want
 8 people to understand what we're talking about when we
 9 use parts per billion -- and lot of times, if you're
 10 not an engineer, this may not register. So, the best
 11 way can I explain it -- and I -- I did this to a
 12 freshman engineering program at Incarnate Word
 13 University the other day and was trying to explain
 14 these things to some -- some students and when -- it
 15 seemed to catch on very well. If you were to take
 16 the Alamodome and move the Spurs out and take out all
 17 the seats and, then, fill it up with water -- the
 18 whole Alamodome of water -- just -- if you can
 19 imagine how much water that is -- then you go to a
 20 restaurant -- go to Mi Tierra or some restaurant --
 21 and get one of those little packets of sugars that
 22 you put in your iced tea and take that packet of
 23 sugar and drop it in the Alamodome full of water.
 24 That is one part per billion. So, when you're
 25 looking at how much dilution and what the factors of

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1 one part per billion are -- so, try to -- you know,
 2 you -- when you look at these concentrations, don't
 3 get overly alarmed, because we're registering,
 4 you know, 20 or 30 parts per billion in -- in some of
 5 these constituents. Yes, they're a contaminant and
 6 there's not -- they're not anything we want in the
 7 water, but keep in mind that there is a -- a -- a
 8 large dilution when we're looking in these
 9 constituents in parts per billion ranges.
 10 We went out and sampled at all the
 11 same stations that we sampled for fish -- we also
 12 looked at the aquatic insects and we looked at the
 13 habitat in all these areas so we could get a good
 14 feel for how good the river is and in all the
 15 areas -- all the screening samples -- Alazan Creek,
 16 Apache Creek, San Pedro Creek and the San Antonio
 17 River -- we could not detect any of these
 18 constituents. There was no TCE -- the instruments
 19 could not register TCE, PCE or DCE and -- so, we
 20 decided, "Okay. Where else can we look?" So, what
 21 we started doing was we surveyed the area and we
 22 looked at where the seeps were coming out --
 23 groundwater seeps were coming out and making
 24 contribution to either the river or the creeks or
 25 some other tributaries and -- so, we went and every

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<p style="text-align: right;">Page 98</p> <p>1 place we could find where water was coming out of the 2 ground and discharging to a creek, we sampled that, 3 as well, to find out if there was an impact -- and I 4 know you-all can't see it on this map, but we found a 5 seep along San Pedro Creek downstream of the 6 Union Stockyards area that we registered TCE -- where 7 we found some TCE. We also found some areas along 8 Concepcion Creek. Concepcion Creek is over near 9 Theo and Malone Street where some of the groundwater 10 seeps had some TCE, DCE, PCE in them. 11 Now -- then, we wanted to find out, 12 "Are these constituents reaching the river or the 13 creeks?" So, then, we decided to sample from those 14 areas where the ground -- where the groundwater was 15 coming out and trickling down and, then, going into 16 Concepcion Creek and flowing out towards the 17 San Antonio River. So, we sampled the creeks 18 themselves, the vogal (phonetic) seeps and, then, on 19 down to the river and what we're finding is that the 20 constituents -- the -- the contaminants, I should 21 say -- were not detected once they got away from the 22 groundwater. In other words, once the groundwater 23 was exposed to the atmosphere, the heat, the sunlight 24 and the oxygen -- they just volatilized and vanished 25 away having no impact to the river. So, this is,</p>	<p style="text-align: right;">Page 100</p> <p>1 power plants, there are some old abandoned landfills 2 around the San Antonio River. So, there's a lot of 3 things that could be impacting the river and could be 4 sources of other types of contaminants. So, we're 5 just looking at this one sliver to see if some of 6 these constituents are coming out and if they're 7 having an impact. But, right now, it's our opinion 8 at the River Authority that -- that these pollutants 9 are not having an impact to the biota in the 10 San Antonio River. So -- 11 Do you-all want me to do questions now 12 or -- 13 MR. LOZANO: Mr. Gonzales -- 14 MR. GONZALES: Yes, sir. 15 MR. LOZANO: -- does Martinez Creek 16 and some of these tributaries that empty into the 17 San Antonio River -- are they receiving water from 18 the treatment plant -- the wastewater treatment 19 plant? There's -- Martinez Creek receives it from 20 the Martinez Treatment Plant and I believe you also 21 have Salado Wastewater Treatment Plant. 22 MR. GONZALES: Right. 23 MR. LOZANO: You have two of them. 24 They empty, through their tributaries, into the 25 San Antonio River. True?</p>
<p style="text-align: right;">Page 99</p> <p>1 basically, what we're finding. Now, we don't know 2 where those contaminants are coming from. That 3 wasn't our job. Our job was to find out if something 4 is reaching the river and if it's -- if it's having 5 an impact. So, we just looked along the corridor of 6 the river and we traced back to a couple of the -- 7 the tributaries, primarily, when we found something 8 within Concepcion Creek, so we went back there and 9 we're looking at it a little bit harder. Now, we 10 will go back and re -- revisit all these areas again 11 in the fall and -- to find out if -- Well, did 12 concentrations increase or did they decrease -- and 13 maybe they're -- they're having a long-term impact on 14 the -- the -- the stream at a very low detection 15 level. These are some questions that we're going to 16 try to look into in the fall when we go back and 17 revisit these sites, but this is basically what we've 18 been doing. Like I said, we did find some 19 contaminants. We can't tell where they're coming 20 from -- you know, there -- there are other areas of 21 concern along the San Antonio River. 22 Union Stockyards, at one time, had a leaking oil 23 tank. They spilled a lot of diesel into San Pedro 24 Creek. We've got the Old Lone Star Brewery, we've 25 got Newell Salvage (phonetic) -- there's some CPS</p>	<p style="text-align: right;">Page 101</p> <p>1 MR. GONZALES: Down -- yes, sir -- 2 downstream. 3 MR. LOZANO: How far down? Before 4 Berchelmann (phonetic), isn't it? 5 MR. GONZALES: Yeah. 6 MR. LOZANO: So, it would be closer to 7 410, right? 8 MR. GONZALES: That would be below 9 410 -- between Loop 410 -- 10 MR. LOZANO: I think Martinez Creek 11 come -- 12 MR. GONZALES: You're -- you're -- 13 you're thinking of -- you're thinking of 14 Martinez Creek up here along I-10? 15 MR. LOZANO: Yeah. 16 MR. GONZALES: Okay. There is no 17 discharge plant for that Martinez Creek. In 18 East Bexar County, there's a Martinez Creek that's a 19 tributary to Cibolo Creek and there are two 20 wastewater treatment plants on that creek. 21 MR. LOZANO: Your map that I got from 22 your organization showed the wastewater tributary of 23 that creek going to the San Antonio River. 24 MR. GONZALES: No. It goes into 25 Cibolo Creek, then to the San Antonio River. They're</p>

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1 in East Bexar County up by Converse and -- and that's
 2 where -- that's where the Martinez plants are.
 3 There's two plants on Martinez Creek out there.
 4 MR. LOZANO: That's what I thought.
 5 MR. GONZALES: Now, Martinez Creek --
 6 there's two Martinez Creeks. The one out here runs
 7 along Interstate 10 and there is no wastewater
 8 treatment plant on that one. Okay?
 9 MR. HAGELTHORN: Could we sort of try
 10 to keep this to Kelly and the impact of Kelly and not
 11 sewage treatment plants somewhere else in
 12 San Antonio?
 13 MR. LOZANO: Good enough.
 14 MR. GONZALES: Any other questions?
 15 Okay. Thank you.
 16 BRIG. GEN. MURDOCK: Mike, thank you
 17 very much -- appreciate that information.
 18 MR. ROBERSON: That was very thorough
 19 and very informative.
 20 MR. LENE: At this time -- the next
 21 thing on the agenda is the subcommittee reports and
 22 the Technical Subcommittee meeting report. I'll try
 23 to keep this very short, because I know we're running
 24 late -- and, so, I'll go through it very quickly.
 25 What I will do is I will give a copy to our reporter

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1 and this will go out with the minutes -- just so
 2 you'll have a copy of this when the minutes come
 3 out.
 4 We've met three times since the last
 5 RAB meeting. On the 11th, we met after the Site S-1
 6 public meeting and had a short meeting then --
 7 very quick -- a short meeting -- and we looked at
 8 two documents at that time and that was the -- the --
 9 the Basewide Groundwater Flow Model was one of these
 10 and we had that presentation -- and, then, also we
 11 had a presentation by Norma Landez from the Kelly
 12 Air Force Base Restoration Division and this was the
 13 RCRA Facility Investigation Work Plan of the 300
 14 area -- and, as I said, I'm hurrying through this --
 15 but we'll -- you'll have that individually.
 16 On June 8th, we met again -- and this
 17 is at the -- at this meeting is when
 18 Mr. Patrick Lynch made his first presentation to the
 19 TRS of the -- of his technical assessment of the --
 20 what we were calling the BRA, which is now called the
 21 Semiannual Compliance Report -- and Mr. Lynch will be
 22 giving that same report in just a few minutes, so
 23 bear with me on that. Also, while we're speaking
 24 about that, you were given a sheet that looks like
 25 this -- got some blanks down at the bottom -- from

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1 Dan Zytopek's office -- and he will be determining
 2 the -- the contractual obligations of Mr. Lynch
 3 later -- and, so, he needs to have that -- fill that
 4 out -- after Mr. Lynch's report, you'll need to look
 5 at this and respond to that -- and, if you will, send
 6 that to Dan Zytopek's office and he'll compile all
 7 that -- it will be information he needs to determine
 8 if the contract has been fulfilled.
 9 Okay. The -- Let's see. Okay. On
 10 the July 13th, we met again and -- that was, of
 11 course, last week -- and Laura Stankosky gave us an
 12 update on the groundwater sampling initiative under
 13 which funding may be available for an independent
 14 study on monitoring -- analysis and sampling of some
 15 of the monitoring wells around the base. Now, this
 16 is still up in the air, but what we did do is we
 17 identified a list of 25 wells and prioritized them
 18 and we'll go down that list of wells as far as the
 19 money goes -- if we ever get it -- and, so, that's
 20 where that stands now. So, we made that
 21 determination.
 22 Also, at that meeting, we began the
 23 next round of preparing for the TAPP program and
 24 looking what we -- looked at it under the TAPP
 25 program for the fiscal year '99 -- and Dan Zytopek is

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1 now working on some that material and making --
 2 preliminary paperwork for that.
 3 The -- we also -- in addition to our
 4 three TRS meetings, we had a meeting -- a
 5 pre-performance meeting with Mr. Jeff Neathery of
 6 Neathery Environmental Services -- and this is part
 7 of his contractual obligations -- and he will be
 8 doing a report on the -- the Quality Program Plan for
 9 the IRP Zone 4 Operable Unit 2. Now, that's --
 10 that's an area that -- there's a lot of interest in
 11 it. So, we're looking forward to that -- and he will
 12 be submitting a draft report on September 7th and
 13 will make a presentation to the TRS on September
 14 4th. That's a plug. Be there. Okay? So, I -- I
 15 really think you should come to that meeting, if
 16 possible. It should be a good one. And, then, a
 17 final presentation is tentatively scheduled for
 18 October. We're not quite sure we can meet that
 19 RAB date, but we will try -- and I have nothing else
 20 for the subcommittee.
 21 If you have any questions, I'll answer
 22 a few short questions. Otherwise, what I have here
 23 will come to you.
 24 Well, good. Okay. Then, let's move
 25 on to our presentation.

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1 MR. PERSON: I have one question --
 2 MR. LENE: Yes.
 3 MR. PERSON: -- Gene. On the sampling
 4 of the wells --
 5 MR. LENE: Yes.
 6 MR. PERSON: -- would it not be more
 7 prudent to just split samples than to go out and
 8 independently sample the same well?
 9 MR. LENE: Yes, I guess so. But --
 10 Laura can probably speak to that better, but I think
 11 the idea was to try to do an independent sampling.
 12 MS. POWER: We could sample all your
 13 wells, Paul.
 14 MR. PERSON: We split samples on a
 15 regular basis.
 16 MS. STANKOSKY: Well, we had tried to
 17 arrange to get money to, sort of, piggyback on the
 18 Air Force and their sampling event and we -- we do
 19 have the money, so it's no longer tentative -- but we
 20 weren't able to get it in time to -- to piggyback the
 21 Air Force's sampling. So, we have an independent
 22 contractor who will do the sampling.
 23 MR. LENE: Basically, we're just
 24 taking advantage of some funds that are available.
 25 Let's see. Where was -- where were

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1 from EPA -- and, so, this is one way that the state
 2 can really exercise authority over the Air Force is
 3 under solid waste regulation.
 4 One of the interesting things, though,
 5 is that it doesn't talk about cleanup in -- in
 6 groundwater in its entirety. It talks about cleaning
 7 up groundwater with the exception of certain areas
 8 where the -- the contaminants can be contained.
 9 These are referred to as waste management areas.
 10 There's 14 of them that were identified and annual
 11 groundwater sampling is conducted at those 14. Four
 12 of the 14 were also -- had permits under this
 13 Federal Hazardous Waste RCRA regulation. The state
 14 has a little additional power over those sites and --
 15 at least -- one way of exercising that is those sites
 16 are being sampled twice a year instead of just once.
 17 A list of numerical cleanup values for groundwater
 18 have been proposed. Most of them are -- are based on
 19 federal drinking water standards. The results of
 20 groundwater samples are being compared to those and,
 21 basically, the report is saying this -- this waste
 22 management area is out of compliance with this
 23 particular chemical standard. So, that's -- that's
 24 basically what this cleanup report is doing.
 25 The waste management area -- I don't

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1 we? Oh, yeah. Our next thing on the agenda is the
 2 TAPP contractor presentation. Mr. Patrick Lynch will
 3 make his final report to the RAB -- and I saw
 4 Patrick. There he is. Mr. Patrick Lynch is from
 5 Clearwater Revival Company and he is -- he's doing
 6 the review of the Semiannual Compliance Plan for last
 7 year.
 8 MR. LYNCH: Again, I was under
 9 contract through the Air Force to the Restoration
 10 Advisory Board to --
 11 MR. BOTELLO: You're out of focus.
 12 MR. LYNCH: -- to provide an
 13 independent and objective review of what is called
 14 the Semiannual Compliance Plan report. It's a little
 15 different than the Basewide Remedial Assessments that
 16 have been prepared in the past that summarize the
 17 groundwater quality information and one of the
 18 reasons it's different is because the State of Texas
 19 and the United States Air Force have come to an
 20 agreement on groundwater. The agreement is based on
 21 solid waste and what is also known as RCRA
 22 regulations -- and I know there's a -- a lot of
 23 question about which -- which agency has authority
 24 over which program. The states have very clear
 25 authority under the solid waste programs, basically,

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1 know how well this reproduced here, but it's a figure
 2 from the report. There is a waste management area
 3 where the -- the waste can exceed the groundwater
 4 cleanup standards. The Air Force has collected
 5 samples from what they're calling background wells
 6 and they're -- they're doing a compliance
 7 determination on -- on the background water quality.
 8 They're also collecting -- here in these blue --
 9 larger blue dots are what they're calling point of
 10 compliance wells -- and that's ultimately where the
 11 standard -- groundwater cleanup standard will be
 12 applied.
 13 Downgradient -- as the -- the plume
 14 travels -- we have two different kinds of wells
 15 they're referring to. The ones closest to the waste
 16 management area they're calling corrective action
 17 observation wells. Other wells they're referring to
 18 as downgradient wells. So, essentially, for each one
 19 of the sites, there was a compliance determination --
 20 whether or not the groundwater exceeded the
 21 groundwater quality standards -- and this was made
 22 for background wells, it was made for point of
 23 compliance wells, it was made for corrective action
 24 wells, and it was made for downgradient wells.
 25 The reporting requirements in a -- in

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1 the cleanup agreement -- basically, what we have in
 2 the compliance plan report was groundwater levels
 3 that were collected in March and September of 1998.
 4 We have results of groundwater samples that were
 5 collected in May and June of 1998, as well as samples
 6 that were collected as part of the off-base
 7 groundwater investigation. The four RCRA sites --
 8 the -- the second round of sampling was conducted on
 9 those sites in July of 1998 -- and, also, we have a
 10 report on the effectiveness of the groundwater
 11 treatment systems -- and, again, trying to meet these
 12 groundwater cleanup goals.

13 Not too far from this meeting on
 14 July 30th, the next compliance plan -- Semiannual
 15 Compliance Plan report will be released. Again,
 16 the -- the document that I reviewed was -- was four
 17 volumes. I suspect that this one will only be a
 18 single volume. One of the reasons is that the only
 19 activities that have really taken place -- or that
 20 will be reported -- are the groundwater level samples
 21 that were measured, I presume, again in March of
 22 1999 -- and, then, an update on the off-base
 23 groundwater investigation, such as the figures that
 24 we have here in the back of the room.

25 During May and June of 1999, they did

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1 there's contamination -- which in this case is this
 2 Navarro clay layer. There was also concern about
 3 what's providing containment on top of the
 4 contamination. There is potential for these
 5 chemicals to volatilize -- and the -- the other four
 6 sides of this box, if you will -- we -- we have a
 7 groundwater flow direction defined. It's coming in
 8 through a side of the box we'll call the background
 9 side. We're not expecting any flow through the other
 10 two sides of the box. We're expecting it all to come
 11 out the other end -- and that's what we're calling
 12 the downgradient side -- and, hopefully, we're going
 13 to develop a barrier there with groundwater
 14 extraction wells. So, any one that's coming out that
 15 side of our containment volume -- we're going to be
 16 pumping out of the ground -- and -- so, that's kind
 17 of the -- the -- the model for containing the
 18 contamination.

19 Groundwater levels: They go out and
 20 measure it -- on one occasion, they measured
 21 850 wells, and I think it's important to understand
 22 why this information is important. Using information
 23 from these wells, we're able to plot the surface of
 24 the groundwater and that allows us to determine what
 25 direction it's going. Using some of the information

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1 do their base-wide sampling. It takes a while to
 2 process this data -- and with the July 30th submittal
 3 date, they're not able to process all that data and
 4 present it -- and, so, it's going to be seven
 5 months -- in January -- the Semiannual Compliance
 6 Plan report that's produced in -- in January of 2,000
 7 will contain that data. One of the -- the comments I
 8 had on the report was: By simply changing this
 9 July 30th submission date to say August 30th would
 10 allow that ground sample result from May and June to
 11 be reported in a more timely basis. So, instead of
 12 having someone like myself, you know, explaining this
 13 report to you, talking about data that's a year
 14 old -- and there's already some data generated that
 15 potentially could contradict statements I'm going to
 16 make -- this may be a way that the information could
 17 be reported in a -- in a more timely fashion.

18 This idea of waste containment --
 19 I -- I showed you a picture that showed an area and
 20 the comments made on the report more have to deal
 21 with containing waste, basically, inside of a box
 22 rather than inside of a fence -- and -- and the
 23 difference I wanted to make -- or the difference
 24 being that -- considering the bottom -- what's
 25 providing containment at the bottom of the area where

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1 we have available on the soils beneath
 2 Kelly Air Force Base, we -- we can estimate
 3 groundwater flow rates using the groundwater level
 4 information. We're also using information collected
 5 on groundwater levels to see whether or not these
 6 recovery wells are actually influencing groundwater
 7 flow directions or actually capturing the plume as
 8 it's moving off base.

9 One of the concerns I had in -- again,
 10 reviewing the report was -- there's some -- some
 11 concerns when the groundwater level data was reported
 12 that the wells were not properly identified and that
 13 we may actually -- some of the figures -- depicting
 14 not only groundwater levels and elevations, but also
 15 contaminants -- may be mislabeled, because the person
 16 who's performing the sampling may not be identifying
 17 the well correctly. A second concern I had was with
 18 the way the monitoring wells were constructed -- and
 19 rather than go into what -- what those problems with
 20 the well construction was -- the potential problem
 21 is, is that the two groundwater levels from different
 22 wells constructed differently wouldn't be
 23 comparable -- and, so, again, the flow directions and
 24 flow rates that may be estimated might not be
 25 accurate.

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1 Here's an example I pulled out -- this
 2 may be a little too hard to see here, but this is
 3 a -- a -- one of the tables from the report that
 4 shows -- in one table, the installed depths of
 5 wells -- or, in one column, the installed depths of
 6 wells -- and, in March, the -- the total depth of the
 7 well that was measured -- and, basically, what I'm
 8 trying to show is in one well they measured a depth
 9 of 39 feet. It shows the well installed to a depth
 10 of 52 feet. Right below it, they measured a -- a
 11 well depth at 52 feet and the well is supposedly
 12 installed at 39 feet. It appears that the data have
 13 been switched from those two wells.
 14 Again, the -- the groundwater
 15 protection standards were -- were developed to
 16 primarily address the risk from drinking water. They
 17 either relied on the Federal Drinking Water Standards
 18 or a State of Texas law where you calculate a
 19 concentration that would be safe to have in drinking
 20 water. My concern was that -- these cleanup
 21 standards were developed for individual chemicals and
 22 in some areas of Kelly there are more than one
 23 chemical -- and whether or not when all chemicals are
 24 considered together, the -- the cumulative risk from
 25 all those chemicals may be greater than -- or -- or

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1 significant where the individual risk from chemicals
 2 considered separately may not be.
 3 Another item that I really kind of
 4 stressed in my report was the potential for vinyl
 5 chloride volatilization and the potential breathing
 6 air risk that that presents, specifically, in two
 7 areas off base where high levels of vinyl chloride
 8 were found in groundwater -- and those I -- I believe
 9 were right off sites MP and S-8. What we're looking
 10 at is -- this is actually from a -- an EPA model
 11 for -- for ethane concentrations in a house. As you
 12 can see, we have a layer of contamination beneath a
 13 structure and due to volatilization of the
 14 contaminants, it can enter an enclosed space and
 15 potentially accumulate at a concentration that may
 16 represent a significant risk.
 17 One of the interesting things about
 18 vinyl chloride as a contaminant is no one spilled it
 19 at Kelly Air Force Base. The vinyl chloride is
 20 resulting from the environmental degradation of
 21 PCE and TCE. They, basically, lose their chlorine
 22 atoms, form one, two dichloroethylene and -- and
 23 eventually vinyl chloride. So, one way to prevent
 24 the formation of vinyl chloride is to really try to
 25 clean up the PCE and TCE as fast as possible.

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1 An interesting comparison between the
 2 cancer risks from PCE and vinyl chloride -- as --
 3 as these chemicals degrade, there's a -- about a
 4 150-fold increase in the cancer risk -- and the other
 5 thing that leads to a potential increase in risk from
 6 allowing this degradation to proceed is that PCE is a
 7 liquid at room temperature as a -- it's a volatile
 8 organic, but it's not highly volatile; whereas,
 9 vinyl chloride is a gas at room temperature and has a
 10 very high volatility. So, again, there's more
 11 potential for it to volatilize.
 12 At the bottom, again, of the
 13 waste management unit -- we talked about the
 14 Navarro clays. It -- it provides a bottom barrier,
 15 but it is a -- it's an uneven surface. It's not --
 16 it's not completely flat. It -- it does have
 17 channels that have been eroded into it and some of
 18 them have now provided preferential pathways for the
 19 chlorinated solvents to move off site. The reason
 20 that the -- the bottom barrier is important, though,
 21 is because we're talking, again, about these
 22 DNAPLs -- or -- or chlorinated organics. They're
 23 heavier than water and, so, they sink when they're
 24 spilled -- and -- and they'll continue to sink
 25 until they encounter something like -- like this clay

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1 barrier. So, the -- the concern, though, is in some
 2 of these deeper channels, the -- the soils that were
 3 backfilled in them -- in them are these highly
 4 permeable gravels -- and, again -- you know, it's
 5 allowing contamination to move very fast along that
 6 surface.
 7 I -- I tried to bring in a couple of
 8 examples -- and I don't know how -- how good these
 9 will look in addition to the ones in my report. This
 10 is a contour map that was done at the Navarro surface
 11 down in Zone 2. This little blue line here shows
 12 Leon Creek -- and, generally, we're -- the way the
 13 last waste management model was used in the
 14 Compliance Plan Reports is they generally assumed
 15 that groundwater was flowing towards Leon Creek and
 16 they put wells accordingly. What we see here,
 17 though, is that -- this green area is actually the
 18 former -- or what we call ancient stream channel at
 19 Leon Creek -- and, so -- it's -- it's essentially
 20 still an underground river where there's gravels and
 21 other permeable soils there -- and what we see
 22 happening at this site is that groundwater --
 23 contaminated groundwater -- is actually going off in
 24 this direction rather than flowing towards the creek,
 25 as we would suspect -- and it shows up a little

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1 better on -- again, not a very high quality figure,
 2 but Leon Creek is located up here. There's -- these
 3 green scribbles that you can see are actually
 4 recovery wells -- and we can see the plume is
 5 actually moving away from the recovery wells rather
 6 than towards them. And, so, again, this is the kind
 7 of effect this bottom layer can have on groundwater
 8 flow directions and -- and the way contamination
 9 moves -- and I think it's kind of apparent, too --
 10 this is the -- the plume map that was included in
 11 the -- in the Compliance Plan Report -- and I think
 12 where we see these little breaks appearing in the
 13 plume map is -- there's high -- high spots in the
 14 Navarro clays -- and, so, again, the -- the
 15 contamination is down in -- like the little valleys
 16 in between the -- the -- the higher spots -- and,
 17 so -- though, the plume may be depicted as covering
 18 this large area to the east of Kelly Air Force Base,
 19 it's probably more isolated into these -- these
 20 narrower canyons.

21 Another interesting thing to point out
 22 on -- on this, too -- I know a lot of the streets and
 23 other monuments didn't -- didn't print -- they were
 24 really fine on the original copy -- but if you look
 25 at the -- the plume definition here -- and you can

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1 see these little stars -- these little stars were
 2 wells -- residential wells, primarily -- that were
 3 sampled by the U.S. Geological Survey back in 1988 --
 4 and it appears with the plume map in the back --
 5 where we see one down here outside of the extent of
 6 the plume -- that they have now determined where that
 7 extent is -- but you can see up towards the north
 8 where the big question marks remain, there -- there
 9 are a number of wells with chlorinated solvents in
 10 that area.

11 The groundwater samples -- again,
 12 the -- the importance of these was to collect them
 13 for comparison with these -- these groundwater
 14 cleanup standards. They were also used to develop
 15 the -- the contaminant plume maps like the one I just
 16 showed -- and, then, the third point is to use these
 17 groundwater samples to see whether or not there's any
 18 historical trends in the groundwater contamination
 19 levels. Are we actually seeing a cleanup? When I
 20 went back and really look at the data from 1994
 21 through 1998, what -- what I generally saw was a
 22 decrease in contaminant concentrations from
 23 '94 to '96 and, then, we had a huge spike in
 24 contaminant concentrations in '97 and, then, in '98,
 25 they decreased again. So, there's not really a -- a

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1 real discernible trend. if -- if we're looking at the
 2 five years of data we have available. That's --
 3 that's, though -- when you're doing environmental
 4 sampling, that's what you come to expect -- depending
 5 upon when your samples were taken, whether it was
 6 during a drought, following a major rainstorm -- you
 7 tend -- tend to see variations like that. So, it's
 8 important not to draw too much conclusions from a
 9 single sampling event and to really try to look at
 10 all the data -- at -- you know, as much data as
 11 possible -- and to really try to get a good
 12 understanding of the seasonal effects.

13 There's a couple points I should make
 14 here. The concerns with the groundwater sampling
 15 that we had was the way that they went about
 16 determining their compliance with these standards.
 17 The figures they -- where they depicted where
 18 monitoring wells were around these waste management
 19 units did not accurately show the wells that were
 20 actually used for their compliance determination.
 21 So, it made it very difficult to see whether or not
 22 they were sampling in the right -- right places.

23 Another -- I guess we're going to call
 24 it a data gap here -- was one of the concerns of the
 25 TRS -- to see whether it was my opinion there was

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1 anything missing from the report and that was -- one
 2 of the chemicals -- ethylene dibromide -- it was used
 3 to reduce the flammability of jet fuel -- and, so,
 4 I -- I did not see any sampling results for that
 5 chemical, specifically. It does have a very low
 6 groundwater cleanup standard and it has been
 7 identified at other Air Forces bases and other --
 8 I think the other site I saw was a -- an Air National
 9 Guard site where ethylene dibromide has kind of been
 10 the chemical that has kind of directed the cleanup.
 11 This -- this map, again, is not going to show it very
 12 good -- but this is, again, one of the maps that --
 13 there was -- I -- I think a dozen of them in the
 14 Compliance Plan Report -- that showed where the
 15 locations of wells were that were used, whether they
 16 were downgradient, corrective action, background or
 17 the point of compliance wells -- and -- and, again,
 18 just did not -- did not jibe with the -- the sample
 19 results that they actually used.

20 In my Technical Review Report, I do
 21 summarize the results here of -- of sampling -- and,
 22 essentially, with the exception of -- what do we have
 23 there -- Site SA-2 in Zone 2 -- the other 13 waste
 24 management areas were not in compliance with one or
 25 more of the groundwater protection criteria during

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1 that May and June sampling event. When the four RCRA
 2 sites were sampled again in July -- that site SA-2 is
 3 one of the RCRA sites, so it was, again, in
 4 compliance. The other three RCRA sites were not in
 5 compliance. Most often chemical to exceed here was
 6 the chlorinated solvents, PCE, TCE, as well as
 7 dichloroethylene and vinyl chloride. I -- I think
 8 when I looked at the background samples -- I think it
 9 was 12 of 14 of the waste management areas -- there
 10 was one chemical exceeded the back -- in the
 11 background wells also exceeded the -- the groundwater
 12 cleanup criteria.

13 The -- treatment system
 14 effectiveness -- what we're really looking for for a
 15 treatment system is, one, we want it to control the
 16 source of contamination. We're going to evaluate
 17 that by comparing the -- what we feel is the
 18 groundwater flow rate through the contamination
 19 source to how much groundwater we're actually
 20 extracting from the ground in our recovery wells.
 21 The -- the second criteria is how much contaminant
 22 are we actually removing -- and the way to estimate
 23 that is to, again, look at your recovery well pump
 24 rates and multiply that by the actual chemical
 25 concentrations in the groundwater from those wells.

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1 It looks -- at -- at Kelly, there was
 2 a number of different times that folks had -- had --
 3 had done those kinds of comparisons for source
 4 control and they -- basically, the estimates are
 5 anywhere between 40 and 100 percent of the
 6 groundwater at different sites is actually being
 7 captured by the recovery wells before it -- it -- it
 8 passed outside the waste management area.

9 Another interesting thing, too, here
 10 in this last column is an estimate of the pounds per
 11 day that were recovered by the groundwater treatment
 12 systems. This is just for Zones 1 and 2. At that
 13 time, in 1997, the estimate is -- is well less than a
 14 pound a day. I -- I think we -- it added up to
 15 35 gallons a year from -- from Zones 1 and 2 -- and,
 16 so -- again, the -- the -- the source control
 17 appears to be, you know, 40 to 100 percent
 18 effective. The contaminant recovery -- at least for
 19 Zones 1 and 2 -- is very poor.

20 The treatment systems -- again, the
 21 importance of these was they controlled that
 22 downgradient barrier on that box I showed you to
 23 prevent contaminated groundwater from leaving that
 24 waste management volume. Our concern with the
 25 Compliance Plan Report -- there was a checklist of

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1 information that was supposed to be included in the
 2 report about treatment systems. One of the things
 3 that was not reported was pumping rates from the
 4 recovery wells. The groundwater surface maps that we
 5 wanted to look at to show that the recovery wells are
 6 actually capturing the contaminated groundwater were
 7 done at a scale and with not enough detail to really
 8 make any type of conclusion about whether the wells
 9 were effective -- and another concern is all of the
 10 recovery efforts have been right along the fence line
 11 of the base and there is certainly some need in some
 12 areas on the east side of Kelly Air Force Base to --
 13 to go out there and -- and physically recover these
 14 contaminants and -- specifically, in -- in the areas
 15 impacted by the vinyl chloride.

16 This is just -- in closing, this is
 17 where the waste management units are located.
 18 There's one up in Zone 5 -- and Zone 4 was considered
 19 a waste management area -- and, then, there's three
 20 along the boundary of Zone 3 -- and the remainder
 21 of -- along Zones 1 and 2 along the creek. There was
 22 a part, too, that my technical review did not
 23 thoroughly cover and that was, I think, in a section
 24 of Leon Creek similar to what we had described here
 25 for the San Antonio River. The conclusions of

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1 that -- if we look at the amount of TCE,
 2 for instance, that's flowing in Leon Creek compared
 3 to the amount that's being recovered by the
 4 Zone 1 and 2 treatment systems, in 1997, that would
 5 indicate about 20 percent of that TCE is making it
 6 past those recovery wells. There was about
 7 80 percent versus 20 percent going into the --
 8 recovered by the treatment systems versus 20 percent
 9 going into Leon Creek. They did find Leon Creek,
 10 though, to be what they considered impacted. It did
 11 not have the biodiversity that we heard that the
 12 San Antonio River did and there was also some
 13 contaminated sediment samples that exceeded some --
 14 and, again, cleanup criteria that are included in
 15 this cleanup plan with the -- with the state.

16 Another thing, too -- in going back --
 17 when I was discussing the Navarro surface and the
 18 importance of that as a -- as a bottom barrier,
 19 one of the concerns that -- or two concerns on Kelly
 20 Air Force Base with the Navarro group -- were the
 21 potential existence of groundwater production wells
 22 that may go down into the Edwards Aquifer -- and
 23 they're -- or, basically, put a hole through this
 24 Navarro clay -- and the other one was whether or not
 25 there was any faults that may, again, provide a

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1 connection between shallow groundwater and the
 2 Edwards Aquifer -- and while -- these studies were
 3 conducted on Kelly Air Force Base -- now that we
 4 realize this contaminant plume has extended to a
 5 large off-base area, it -- it's probably prudent to
 6 repeat those studies and see whether or not there are
 7 any wells off base or any potential for faulting off
 8 base, as well, within that plume area.

9 That's the substance of my
 10 presentation. I'd be happy to answer any questions.

11 MS. HUERTA: I have a question. When
 12 you talked about possible synergistic effects, my
 13 understanding is that EPA doesn't look at synergistic
 14 effects. Where -- where would you go to look for
 15 that information regarding possible synergistic
 16 effects happening between these chemicals?

17 MR. GONZALES: I -- I wasn't
 18 specifically concerned with the synergistic effects.
 19 What I was concerned at is -- we're saying that this
 20 level of risk is acceptable and, then, we're
 21 estimating how much chemical in groundwater and --
 22 how much of this one chemical in groundwater can be
 23 present there at this risk level? And when we're
 24 doing that 40 or 50 times -- and, then, we're looking
 25 at groundwater that contains multiple contaminants --

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1 you know, we're ending up with this risk level
 2 despite the fact that all of these individual
 3 chemicals could be below their cleanup standard.
 4 I -- so, I --

5 MS. HUERTA: So, my question is: How
 6 do you end up with a value of that increased risk --
 7 risk level?

8 MR. GONZALES: You really need to look
 9 back at the site -- I mean, when -- when the site
 10 is approaching cleanup -- and -- and you'll look --
 11 you know, you're trying to make a decision. Do we
 12 continue to monitor the site? Do we continue to
 13 clean up groundwater or do we say the site is clean
 14 and we're going to close it? Then, it's -- that --
 15 that's really when you need to look at whether or not
 16 the -- the combination of the chemical concentrations
 17 that remain when considered together are an
 18 unacceptable risk -- and I think that's also when you
 19 need to look at that and say -- you know, "Is there a
 20 potential" -- "The groundwater is clean, but is there
 21 a potential that this stuff is going to volatilize
 22 and -- and cause impacts that way, too. I think
 23 that's really -- you want to make those decisions on
 24 a site-specific basis, but I don't think you want to
 25 say, "Oh, we" -- "we met all the cleanup standards;

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1 therefore, we must be okay."

2 MS. HUERTA: My other question had to
 3 do with the timeliness of the data reporting. Who
 4 decides when these semiannual reports are due?
 5 I mean, it makes sense if you pushed it back from
 6 July 1st to July 30th for everybody involved. Is
 7 that regulatory issue or is that a decision that
 8 could be changed?

9 BRIG. GEN. MURDOCK: Anybody know?

10 MR. BANNER: Yeah. The -- the --
 11 the -- the reporting deadlines are all laid out in
 12 the compliance plan, which is part of the permit.

13 MS. HUERTA: Which is -- what -- you
 14 negotiate between Kelly and the TNRCC?

15 MR. BANNER: Well, it's not really
 16 negotiated. The -- the reporting time frames are --
 17 are standard.

18 MS. HUERTA: Across the state?

19 MR. BANNER: Across -- across the
 20 state, yeah.

21 MS. HUERTA: That was my question.

22 MR. BANNER: Yeah. I think -- given
 23 as -- as Mr. Lynch pointed out -- given the -- the
 24 number of wells that Kelly's sampling and all the
 25 data they're processing, they weren't able to make

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1 those standard time frames. So, they were extended.

2 I don't know if you-all could make the
 3 August -- that was postponed as one month. I think
 4 there was a need for a -- just a one-month
 5 postponement.

6 UNIDENTIFIED SPEAKER: Yeah. We --
 7 September, mid October time range. We looked at that
 8 when we were negotiating, but you guys were real --
 9 it was standard language and the dates weren't up for
 10 negotiation.

11 MR. BANNER: Yeah.

12 MR. ROBERSON: Let me make sure I
 13 understand, this was your -- now, this is a
 14 semiannual report that Kelly puts out.

15 MR. LYNCH: That -- that is correct.
 16 This -- in fact, this is the first -- first time that
 17 they've done one.

18 MR. ROBERSON: This is the first one
 19 of those?

20 MR. LYNCH: Right.

21 MR. ROBERSON: Okay. Now, perhaps
 22 somebody should -- please correct me if I've -- If
 23 I've heard this wrong, but the report I just heard
 24 was extremely critical of the content of this report;
 25 is that correct?

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1 MR. LYNCH: Not -- not necessarily.
 2 I think there was -- you know, overall, the -- the
 3 report was what you would expect. There was
 4 certainly some -- some data -- whether you want to
 5 call them omissions or -- or errors, I think --
 6 you know, I can't say that there were any more than
 7 you would expect to find in a -- in a report of this
 8 size. I'm just -- if I sound critical -- because I'm
 9 trying to take a standpoint of a community person
 10 and -- and, actually, finding those kind of errors as
 11 a community person, I think, would be even more
 12 frustrating -- because they probably would go
 13 unrecognized.
 14 MR. ROBERSON: What do you recommend
 15 we do with your report -- with your review of the
 16 Air Force's report? Because I heard some things
 17 that, really, are quite disturbing, quite frankly --
 18 for example, that -- that all the cleanup effort is
 19 on the -- is inside the base, that there is no effort
 20 to actually clean up off the base where there's
 21 concentrations of vinyl chloride. That sounds like a
 22 serious issue.
 23 MR. LYNCH: Yeah. Yeah. I think --
 24 I think that is -- is something that I think we've
 25 heard --

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1 MR. ROBERSON: If you were sitting on
 2 the RAB, what -- what would you, as a community
 3 representative on the RAB, do if you just heard what
 4 you reported to us?
 5 MR. LYNCH: You know, again, I think
 6 that from a -- from a public health perspective,
 7 I think that the -- that the priority should be given
 8 to what is -- two -- two areas where vinyl chloride
 9 is coming off the east side of Kelly Air Force
 10 Base -- and -- and a lot of what I heard tonight --
 11 the installation of the slurry wall is certainly
 12 addressing one of the sources of those problems --
 13 and, so, you know -- I -- I mean, I'm not --
 14 I think that's really where the attention should
 15 be -- should be paid -- is -- is to those -- those
 16 two specific areas -- and -- and it really sounds
 17 like it is.
 18 MR. ROBERSON: I take it your -- your
 19 review is in a written report now?
 20 MR. LYNCH: Yes. I -- I would have
 21 suspected everyone got a copy of it.
 22 MR. ROBERSON: Is this it? Did that
 23 go to the Technical Review Committee? I just
 24 haven't -- I -- I didn't -- I haven't received a copy
 25 of it.

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1 MR. LYNCH: Yeah. In fact, there's
 2 a -- there's a figure in there that shows the
 3 areas -- I think it's Figure 6 of my report --
 4 shows -- shows the areas off base where I believe
 5 vinyl chloride is a concern.
 6 MR. ROBERSON: Okay. I -- I --
 7 I guess we as a RAB need to talk about this a little
 8 bit. What are we going to do with this report?
 9 I mean, it sounds -- it sounds like there's some
 10 critical information here that we need to do
 11 something with.
 12 MS. HUERTA: Well, my question is
 13 about the vinyl chloride and the volatility. Has
 14 this been looked at? Is -- is that a standard
 15 model? It's from quite a while ago. Is that even
 16 being considered or looked at -- the possibility of
 17 vinyl chloride coming up through the more -- the deep
 18 parts of the shallow groundwater?
 19 MR. LYNCH: Let me -- I -- I can --
 20 I can partially answer your question -- is that the
 21 Air Force has gone out -- and I believe it's on one
 22 occasion -- has -- has sampled residents in that
 23 area. I think, at that time, they were more
 24 concerned with the -- the fuel spill, but that
 25 sampling has been done -- you know, it was my feeling

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1 in looking at that report, it was largely
 2 inconclusive and, so, it may be worthwhile to either
 3 repeat that sampling or -- or some other type of soil
 4 gas sampling.
 5 MS. HUERTA: And did the -- the
 6 toxicology people from Atlanta -- did they look at
 7 that? Do we -- we don't know, right?
 8 MR. PERSON: The ATSDR report is not
 9 out, yet.
 10 MR. JACOBI: I think that the -- the
 11 ATSDR people, if I understand it correctly, looked
 12 at -- with respect to air emissions, looked at -- at
 13 default values based on -- you know, on a -- a
 14 severely leaking valve would emit so much of this
 15 substance or that substance or other substance,
 16 depending on what -- what the valve was carrying --
 17 and it took, essentially, a worst-case scenario and,
 18 if I understand it correctly, they -- they went back
 19 to look at it to see if they had better information
 20 about actual emission rates associated with things
 21 like leaking valves or -- or open tanks and so forth
 22 and so on and that's one of the things -- reasons why
 23 they -- they chose to -- to go back and look at their
 24 report to see if they could come up with something
 25 that was more reflective of what actually happened at

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1 Kelly as opposed to some hypothetical default value.
 2 But until we actually see the report, it's hard to --
 3 it's hard to really say.
 4 MS. HUERTA: The reports that I saw
 5 had to do with spills in '96 and one of them had to
 6 do with kids playing in the creek after a spill.
 7 Are -- and those are the only two reports that
 8 they've done and now we're waiting for the third?
 9 MR. JACOBI: I -- I just don't know.
 10 I've never even seen the -- the draft --
 11 MS. HUERTA: Okay.
 12 MR. JACOBI: -- although I -- I do
 13 know that we -- we've had some of toxicologists at
 14 the Health Department look at some of the drafts and
 15 I have -- I've discussed it with them -- it's been
 16 some time ago -- and they -- at -- at least in view
 17 of -- of some of our toxicologists, there was some
 18 flaws in the way ATSDR chose to try and approach that
 19 situation and that's one reason why ATSDR elected to
 20 go back and -- and -- and have a -- undergo a more
 21 thorough peer review to see if it could come up with
 22 something more reflective of the actual situation at
 23 Kelly.
 24 MS. HUERTA: Who would be charged --
 25 because the more dangerous -- I -- I guess when you

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1 look at the ground configuration of the Navarro
 2 clay -- and the stuff that is closer to the house
 3 would be the concern for the vinyl chloride and --
 4 and we know already sort of where those
 5 configurations are. If -- if the air monitoring had
 6 to be done, whose charge would it be? If this is a
 7 possibility that it could be -- the volatility is
 8 increasing -- because we know vinyl chloride is
 9 increasing as we get further away from the base --
 10 because things are breaking down. I just don't know
 11 how much of a concern this is, I guess is my
 12 question. I mean, to increase the risk factor
 13 150 percent, to me, is significant.
 14 MR. HAGELTHORN: General Roberson had
 15 asked the question, "What, as the RAB, should we be
 16 doing?" And I think that the -- the start of TAPP in
 17 looking at this study is -- is a very good -- was a
 18 very good start -- to look at what the Air Force did
 19 and to give us another opinion of what they thought
 20 was happening in the environment. I may be wrong --
 21 and if I am, correct me -- but I think that the data
 22 that was used in the study is from the interim
 23 solutions. Is that a correct statement? Okay. It's
 24 all based on the interim solutions and not the final
 25 solution. The final solution has not been

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1 implemented nor has it been totally determined what's
 2 going to happen. So, to react right now to data and
 3 to a situation that we knew we had to put an interim
 4 solution in and we knew there was going to be change
 5 and we know we're going to continue to work on the
 6 problem, I don't think would be very prudent. My
 7 esteemed colleague at the end -- she has a very valid
 8 concern. What is the hazard -- or what is the risk
 9 of the volatility of the breakdown of vinyl chlorides
 10 on the -- on an individual, on a home, et cetera,
 11 et cetera. That's something that needs to be looked
 12 at. We don't know. And since we don't know, we
 13 can't make statements what it is or react to it or
 14 create another fear that there's 150 times increase
 15 in cancer risk when we don't even know what the risk
 16 is or the level of volatility are.
 17 I -- I think that the Air Force is
 18 doing a very good job and I think the RAB has some
 19 tremendous input to where we're going and where it's
 20 going to continue to go and to jump off the train
 21 right now and, you know, pick up the San Antonio
 22 shuttle to -- to go in another direction would be the
 23 wrong move. I -- I think we need to continue the
 24 course that we're going and continue to look at the
 25 issues that we have and continue to grow and continue

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1 to add new input from the issues that are coming up,
 2 but to change things right now, I do not think that's
 3 the -- the direction we need to go.
 4 MR. SANCHEZ: I don't think that
 5 the -- excuse me -- I think this report is -- I agree
 6 with Colonel -- With General Roberson. This is
 7 rather critical of what the Air Force has been doing
 8 and I think it's incumbent on the Air Force to
 9 respond to this report. If there's -- and, also --
 10 really, I think TNRCC might want to take a look at it
 11 and give us their input. Given that we are an
 12 advisory -- I -- I don't think we need to go out
 13 and -- on a -- on a witch-hunt, but I think there
 14 is some -- some statements in this report that --
 15 that -- that somebody needs to respond to; one is
 16 the vinyl chloride issue, the other is the -- the --
 17 the increasing rate of the -- of the plume and -- and
 18 that -- those implications -- and given -- given the
 19 fact that one of the -- the -- I guess the top
 20 priorities for the RAB is protection of human
 21 health. It's at the very top. So, I think, really,
 22 the Air Force has to respond to this report in
 23 some -- some fashion. The -- the RAB did ask for an
 24 independent study. If the study is faulty or if
 25 they -- there's some faults in it, that's fine. We

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1 need to look at and we need to consider those --
 2 you know, that, also. But we need -- we -- we need
 3 some answers to what has been raised in this report.
 4 MR. ROBERSON: You know, I find myself
 5 in the interesting position of having Allan and Sam
 6 say different -- opposing -- making opposing
 7 statements and I find myself agreeing with both of
 8 them. I -- I -- I think Sam is right. I think we
 9 probably need to ask for a response from the
 10 Air Force. If they -- it might be a good idea, too,
 11 Gene, if the -- if the Technical Review Committee has
 12 not done so already, the Technical Review Committee
 13 can look at this pretty carefully, too -- and also
 14 for the EPA and TNRCC to look at it -- and among all
 15 those inputs, we might, you know, have a balanced
 16 kind of reaction to it.
 17 I agree with Allan, though. I don't
 18 think there's any need to jump off and make -- make
 19 any radical moves here until we -- until we get the
 20 chance to go through our process.
 21 MR. HAGELTHORN: My -- my concern is
 22 not that we not ask for input. In fact, I -- I
 23 thought I -- I tried to make that clear and I think
 24 the Air Force needs to -- and EPA and TNRCC -- the
 25 regulators -- need to show us what those standards

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1 foreseen that, but now that we have that information,
 2 maybe when decisions are made where we're going to do
 3 these recovery wells, we'll consider that, too.
 4 MR. PERSON: My concern is cost
 5 effective -- cost-effectiveness, which already --
 6 recovering 35 gallons a year -- and you're pumping
 7 millions of gallons of water treated on a daily
 8 basis. I believe that Kelly needs to take a serious
 9 look at what they're doing. I don't think you're
 10 quite addressing the situation directly if that's all
 11 you're getting out of it.
 12 MR. LYNCH: I -- you know, that --
 13 that figure was just for the -- Zones 1 and 2 and
 14 I -- I would suspect that -- higher flow rates in
 15 Zone 3 -- that they're probably recovering
 16 significantly higher volumes there of -- of
 17 contaminants.
 18 MR. SANCHEZ: You made a statement
 19 that there -- there are some concentrations that may
 20 be higher depending on where the -- where they find
 21 those pollution channels --
 22 MR. LYNCH: Yes.
 23 MR. SANCHEZ: -- and -- and do you
 24 think that -- especially off-base contamination --
 25 what solution --

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1 are and show us what those risks are before we start
 2 to -- to -- to worry and to create another fear that,
 3 you know, everybody on the south end of San Antonio
 4 is going to die because of the VCs that are coming up
 5 through their basement floor.
 6 MR. ROBERSON: Well, I don't think
 7 anybody is saying that, but there are -- you know,
 8 there are issues here that have got to be answered.
 9 MR. HAGELTHORN: Sure.
 10 MS. ADAMES: I speak personally. I'm
 11 glad all this is coming out because now I know it's
 12 not all in my head -- and, like you say, some people
 13 will go crazy. But it's nice to know that it's not
 14 all in your head, that there is something there. It
 15 makes me feel more at ease -- acceptance --
 16 acceptance on my part. Well, I know some people may
 17 not agree, but that's the way I look at it.
 18 MS. HUERTA: I have a problem, too,
 19 when we talk about cost containment and making
 20 decisions based on feasibility and cost and -- and,
 21 then, to hear that because of the ancient stream beds
 22 that those wells -- those four wells are not
 23 recovering as much as we anticipated by at least
 24 100 percent of what we anticipated -- you know,
 25 I have a problem with that. Not that we could have

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1 MR. LYNCH: Yeah -- no -- no.
 2 I think -- I think, in fact, that it's -- it wasn't
 3 on one of my slides, but it is in my report. I tried
 4 to do a comparison here -- it's Figure 3 on Page 7 --
 5 and -- and you do see that where the Navarro surface
 6 has a low point in, it's coincidental where the
 7 highest concentration of contaminants is leaving --
 8 are leaving the base -- and they generally leave the
 9 base in a very narrow and -- narrow plume, so --
 10 yeah -- there is -- there is some definite
 11 coincidence and that's -- that's probably, again,
 12 moderate -- saying that that -- the plume has
 13 traveled as far as it did is because it's -- it's
 14 traveling through these gravel -- a gravel layer --
 15 and when they estimate the permeability of the soils,
 16 they're looking at a well that's only screened in
 17 gravel, but screened in other soils and they end up
 18 with an average value -- and when they apply that
 19 average -- you know, this is getting to the --
 20 MR. SANCHEZ: Now, there are -- there
 21 are some assumptions that everybody has made about
 22 this plume and the direction of the plume and -- and
 23 the -- the -- the depth of the -- of the -- the
 24 contamination.
 25 MR. LYNCH: Right.

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1 MR. SANCHEZ: What are -- just in
 2 general, what would be some of the -- the -- the
 3 fault -- the faulty thinking in making some of those
 4 assumptions?
 5 MR. LYNCH: The only, I think, real --
 6 real potential faulty assumption that could be made
 7 is in -- just -- you know, the contamination is
 8 following the groundwater flow -- because we're
 9 dealing with a chemical that is heavier than water
 10 and can sink, the -- the surface of this Navarro clay
 11 could be like this with groundwater flowing over the
 12 top of it. If that chemical sinks and hits here, it
 13 will move along that surface in a direction opposite
 14 the groundwater and -- I'm -- I'm not great with
 15 these site names, so you'll have to excuse me -- but
 16 I -- I believe it's Site 8 here where it appears
 17 what's happened is the contamination goes onto the
 18 base, hangs a U-turn and, then, comes back out here
 19 under Site MP.
 20 MR. ROBERSON: Sir, I wonder if I
 21 could a make a three-part motion. Part one is that
 22 the RAB formally request the Air Force and EPA and
 23 TNRCC to comment on this report. Part two would be
 24 that the Technical Review Committee review it and
 25 make -- report to the full RAB -- and, then, part

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1 three would be that -- that those results be perhaps
 2 part of the agenda and the discussion at the workshop
 3 to be scheduled after the 24th of August.
 4 MR. PERSON: Second.
 5 MR. LENE: The motion's been made and
 6 seconded. Any discussion?
 7 MS. HUERTA: Yeah. As long as after
 8 we discuss it that we can publicly put it on our
 9 agenda for -- when is it -- October's meeting --
 10 you know, we -- we need to follow up with our
 11 responsibility.
 12 MR. ROBERSON: Sure.
 13 MR. JACOBI: Just one other comment.
 14 You know, this -- this clearly is an issue -- a
 15 highly technical issue and -- a number of highly
 16 technical issues' involvement here -- and this is
 17 a -- a -- a real good example of where we need to
 18 let the engineers understand it and try and
 19 communicate it and -- and try and put it in layman's
 20 terms, if you will, so that we can -- we can fully
 21 understand it. But I -- I don't think it's
 22 appropriate for the -- for the RAB as a whole to
 23 attempt to undertake it. I think we've -- we've
 24 raised some flags here -- and it's certainly
 25 responsible to allow the Air Force the opportunity

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1 to -- to take a look at these and -- and come up with
 2 a -- what their explanations and opinions might
 3 mean -- you know, there may be merit here and there
 4 may -- may not be merit. We'll just have to -- have
 5 to see -- see how it develops from a technical
 6 standpoint and develop our own perceptions as to what
 7 that really means in terms of the impact on -- on our
 8 particular issues and things we're concerned with,
 9 but I -- I would tend to agree with Paul. If
 10 we're -- if we're pumping millions of gallons of
 11 water and we're only -- we're only getting 35 gallons
 12 a year of solvent out of that water, then that -- it
 13 seems to me that we need to look at some other --
 14 other way of dealing with that particular situation.
 15 MR. LENE: Okay. We still have a
 16 motion and it's been seconded.
 17 MR. JACOBI: Call the question.
 18 MR. LENE: Call the question. All in
 19 favor of the motion say "aye."
 20 (Vote by the RAB members.)
 21 MR. LENE: Any opposed?
 22 (Vote by the RAB members.)
 23 MR. LENE: Unanimous.
 24 Okay. If there are no further
 25 questions for Mr. Lynch --

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1 MR. PERSON: I want to make one
 2 comment before we close this topic. It's -- it's
 3 very easy for someone to sit back and armchair
 4 quarterback for something that's been going on for
 5 the last ten years or longer. It's very easy for
 6 someone to come in and point out what he sees as
 7 flaws or mistakes from an overview perspective. I
 8 don't think we should take this as gospel. I think
 9 this is his opinion and we paid for it and I think we
 10 should keep that in perspective as to what we bought.
 11 MS. HUERTA: Well, my problem with
 12 that is, if this is scientific method and
 13 scientifically-collected data, it shouldn't just be
 14 an opinion.
 15 MR. PERSON: Consultants --
 16 consultants are a very strange breed. We hire lots
 17 of consultants to tell us what time it is and I think
 18 that's something we need to keep in perspective --
 19 that this is one consultant's opinion of a report.
 20 I think if you hired another consultant and asked him
 21 to review the same report, you'd get a completely
 22 different answer.
 23 MR. JACOBI: Which is one reason why
 24 we need to allow the Air Force the opportunity to
 25 provide additional information and -- and

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1 perspective.
 2 MR. PERSON: Just as a thought, keep
 3 in perspective that this is not the truth. I mean,
 4 it -- it -- it can be his perspective of the
 5 truth. Okay? But if you hired somebody else and
 6 gave them 25,000, you'd get a different
 7 perspective -- and I'm sure Kelly has a different
 8 perspective because they've got five consultants that
 9 work for them and they pay them a whole lot more
 10 money than we paid for that report.
 11 MR. JACOBI: The other comment is,
 12 if you -- if we -- for example, we hired a -- a --
 13 an additional set of consultants and they had access
 14 to the Air Force report and this report, there would
 15 probably be a third opinion -- you know, again,
 16 there's -- there's all kinds of data out there and we
 17 can -- we can generate data. The question is what --
 18 what does it really mean? And, you know, this --
 19 this is something that we haven't had a chance to
 20 digest -- and -- and, certainly, I don't think the
 21 Air Force has had an opportunity to -- to look at it
 22 for very long and -- you know, I -- I vow that we'll
 23 hear many more comments about -- about this
 24 particular report and we may arrive at some
 25 conclusions and, you know, those conclusions may or

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1 may not be accurate, but they're going to be our
 2 conclusions and we're going to crank that into our
 3 own equation -- and the Air Force has certainly
 4 considered our recommendations in -- in whatever
 5 direction they tend to take and -- and, hopefully,
 6 the overall process will be improved by that and --
 7 and we'll continue to make progress towards the
 8 ultimate goal of -- of everyone -- not only all risk
 9 actually being removed, but actually everyone
 10 perceiving that, yes, in fact, they have been removed
 11 to the extent technology can allow it at this
 12 particular point in time.
 13 MS. ADAMES: I'm sorry to make this
 14 comment. I really don't think -- but it has been so
 15 many years and so many times the Air Force has lied
 16 to us. You've had many years in which to really go
 17 in there and see what is going on. Nobody was
 18 opposing you at that time. And, now, some people
 19 come up with different ideas. What are we to make of
 20 it?
 21 MR. JACOBI: Well, again --
 22 MS. ADAMES: And, now, you come out
 23 and say there is some contamination, when all these
 24 years, they swore there's nothing there. What are we
 25 supposed to think?

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1 MR. JACOBI: No one's suggesting
 2 that -- that this -- this be dismissed in its
 3 entirety and I -- all we're suggesting is that the
 4 Air Force have the opportunity to respond. I would
 5 suspect that Mr. Lynch would probably be involved
 6 in -- in conversations with the Air Force so that
 7 they can understand where he's coming from and he can
 8 understand where the Air Force is coming from and
 9 I -- I would suspect that once that discussion has
 10 occurred that there will probably be some -- some
 11 form of agreement or maybe there might be the
 12 agreement to disagree, but we'll have additional
 13 information and it -- it won't be two stand-alone
 14 situations and, hopefully, they'll -- they'll come to
 15 the -- come to some understanding.
 16 You're certainly entitled to believe
 17 what you want to believe and your perceptions are
 18 your perceptions and they may be based on fact, they
 19 may be based on misperceptions or whatever, but they
 20 are certainly your perceptions and -- and, you know,
 21 one of the reasons there's an entity like the
 22 Restoration Advisory Board is to -- to try and help
 23 the public understand what the issues are and to --
 24 to work with your perceptions, the perceptions of the
 25 public, to -- to manage that so that we all agree

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1 ultimately that -- that whatever the right thing is
 2 is being approached and eventually has been done.
 3 Now, I'm not -- I can't sit here
 4 and -- and -- after having participated in this --
 5 this committee for roughly two years -- maybe a
 6 little longer -- and say that, "Okay. This is the
 7 exact path that we have to take to get to the
 8 ultimate cleanup." I think you've probably been
 9 involved with it a lot longer than I have and I would
 10 suspect that it would be very difficult for you to
 11 say, "Okay. We have to do A, B, C, D, E, F and G
 12 and, then, it's going to be over with." I -- I don't
 13 think -- I don't think we're there, yet.
 14 MS. ADAMES: I don't think it's going
 15 to be over very soon. It's too large a thing to just
 16 say, "In a year, ten years, 20 years, it will be over
 17 and done with." But what I'm saying is any time
 18 somebody comes up with information like that young
 19 man has, there's so much opposition to it, when in
 20 the first place the Air Force has always said, "There
 21 is nothing there. There's nothing there." Then the
 22 Air Force comes up and says, "Yes, there is something
 23 there." Now, when somebody comes and says, "There is
 24 something there," okay. But when they say it's more
 25 than what the Air Force says, everybody starts

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1 opposing.
 2 MR. HAGELTHORN: I don't think
 3 anybody's opposing it. I think that the same
 4 criteria is being used on this study as other people
 5 have used on Air Force studies. They're looking at
 6 it with skepticism, they're looking at it to find out
 7 what the truth is, what the facts are. They're not
 8 making any decisions and they're not pointing
 9 fingers. They're just asking for more information
 10 and letting the Air Force respond, just as with this
 11 TAPP Grant, we've allowed the contractor to respond
 12 to the Air Force. I think that if we're going to cut
 13 off our entire questions and our concerns and our
 14 input to what an outside consultant comes up with,
 15 then we also have to take the same stand when the
 16 Air Force makes a presentation that we can't ask
 17 questions about it.
 18 MS. ADAMES: Well, after so many years
 19 of not speaking of knowing what's on there, what else
 20 can we think? I know it's hard for me to understand
 21 your point of view as it is for you to understand
 22 ours, but -- I mean, something is going to have to
 23 come up, who and what -- like, right now, my main
 24 concern is: When are they going to clean up? How
 25 long is it going to take? In the first place,

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1 you-all said there's nothing. So, if they said
 2 there's nothing, you know, they have no plans for
 3 whatever, unless people put pressure on you. "Well,
 4 we might." I mean, we need an answer. Not deny what
 5 you said or oppose it so fast. Hey, get together.
 6 So, maybe on the "yeses" and "nos" -- see what you
 7 can come up with.
 8 MR. HAGELTHORN: I don't think the
 9 Air Force ever said there was nothing there.
 10 MS. ADAMES: Oh, yes, sir -- excuse
 11 me -- yes, sir.
 12 MR. HAGELTHORN: If I remember
 13 correctly, the Air Force said they didn't know the
 14 extent. There's a difference. They now know the
 15 extent and they're continuing to move up their
 16 research further.
 17 MS. ADAMES: They said there's nothing
 18 there -- nothing -- nothing there.
 19 MR. HAGELTHORN: I'd like to see that
 20 document.
 21 MS. ADAMES: Otherwise, I wouldn't be
 22 sitting here right now.
 23 MS. HUERTA: May I ask a question?
 24 Is there a quality assurance process to look at if
 25 well reporting data is confused? Is there an

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1 internal quality assurance process that can look at
 2 that and say, "Yeah, that might have been done"? Is
 3 it a regulator that has to say that? How -- isn't
 4 there -- I mean, it's real hard to say that the well
 5 is 52 feet when you've 39 -- you only went down
 6 39 feet -- 39 and a half. Is there, like, a
 7 quality assurance that you can look at this and say,
 8 "Yeah, maybe that happened"? Maybe that's what
 9 happened with the business of the one well that was
 10 contaminating -- possibly contaminating the
 11 Edwards Aquifer. Let's say, no, it didn't happen and
 12 then when it was looked at again, yeah, it did. Is
 13 there a quality assurance thing that you could look
 14 at some of this stuff and -- is -- is this what
 15 we're asking the Air Force to do?
 16 MR. JACOBI: Well, in this -- in this
 17 particular case -- I'm going to speculate a little
 18 bit -- for -- for major environmental contracts,
 19 there's usually something called a quality assurance
 20 project plan which details a whole lot of information
 21 about the sampling procedures are -- are implemented
 22 and how -- how you take the samples, how you preserve
 23 them and how you treat them, how soon you have to
 24 have it analyzed, what parameters, how they're spiked
 25 and so forth and so on. There's also a thing called

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1 a data quality objectives process where you -- you
 2 look at your samples and decide what you're trying to
 3 find out and what samples are appropriate under the
 4 circumstances.
 5 I personally haven't reviewed any of
 6 those documents, but I have to believe that they --
 7 they do exist, particularly for a project as large as
 8 this so that there is a historical record of what --
 9 how samples were treated and how things happened and
 10 so forth and so on. When -- when you cut through all
 11 of that, it -- you know, assume that everything did
 12 go right, there's still -- there are still humans
 13 involved in this process -- the environmental
 14 analysis and evaluation and toxicology has a great
 15 deal of art involved, as well as science.
 16 MR. SANCHEZ: Excuse me. Have we got
 17 a motion on -- on the table right now?
 18 MR. LOZANO: It's been passed,
 19 hasn't it?
 20 MR. LOZANO: You made it, Paul, didn't
 21 you?
 22 MR. ROBERSON: Yes. It's been passed
 23 and I think -- probably the appropriate thing now is
 24 to get the response from the Air Force and from TNRCC
 25 and EPA and then go from there with it right now.

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1 MR. LENE: I think that's right. I
2 think it's premature, really, to have this discussion
3 until we have some feedback from the Air Force. And,
4 so --

5 MR. JACOBI: I would -- Sam -- and
6 I've got to drive two hours to go home. So, I've --

7 MR. LENE: Paul?

8 MR. PERSON: Well, if we're going to
9 continue these discussions past 10:00 o'clock, I
10 think we need to start these meetings around 5:00 or
11 4:00 in the afternoon in the future.

12 MR. HAGELTHORN: You're holding things
13 up, Paul.

14 MR. PERSON: I would like to get this
15 to the end. Let's wrap this up.

16 MR. LENE: I think we have -- we voted
17 on a motion to discuss this at a later date once we
18 get some more information and so we'll go with that.

19 Dan Zytopek has asked to clarify what
20 he needs from you as -- remember, the form that I
21 mentioned -- and he would like to clarify that.

22 MR. ZYTOPEK: Yes. Real briefly,
23 the -- the contractor was tasked to clarify and to --
24 to give a report on the Air Force's Semiannual
25 Compliance Plan. He has given that report and -- and

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1 order. So, that -- that's just something that I
2 wanted to clarify somewhat is that -- in some ways,
3 we need to be thinking of both parties that were
4 involved with this contract and not keep the
5 contractor on the hook for an indefinite period of
6 time.

7 Obviously, if -- if there are
8 questions that you would like to see addressed in a
9 conference call or some other format with the
10 contractor, there is allowance for that under this
11 call order. But -- but the contractor has fulfilled
12 a big part of what he was tasked to do, but we need
13 to get your input as to whether or not you feel that
14 that tasking is completed or not. And, so, that's
15 the reason for the -- for the papers in front of
16 you -- and, again, we look forward to hearing your
17 comments on -- on the -- the process so far. But we
18 do not want to, I guess, muddy the waters too much
19 with -- with continuing his call order for an
20 indefinite period of time without making some
21 decisions --

22 MR. ROBERSON: Let's make this clear.
23 He could be available for at least one
24 teleconference?

25 MR. ZYTOPEK: Oh, sure. And, in fact,

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1 under the TAPP call order that was issued to him,
2 he's nearing the end of his commitment to us and one
3 of the things I just wanted to kind of clarify is
4 that -- that in his reporting to you -- the -- the
5 reason why we gave those -- those forms to you is to
6 get your feedback as to whether or not the report
7 that you received, the presentation that you heard,
8 fulfilled those expectations that -- that we had of
9 the contractor. Now, I think that some of the things
10 that I heard just concerned me some, because it kind
11 of appears that -- that the process has already begun
12 tonight of -- of going beyond the -- the actual TAPP
13 contract call order -- and that is getting responses
14 from people and so forth.

15 There's very limited additional
16 responsibilities that the contractor has under this
17 call order to us. One of those would probably be
18 teleconference calls. I think we still have some
19 flexibility there. But one -- I just wanted to
20 somewhat clarify that the contractor probably
21 shouldn't be made to be kept on call for an
22 indefinite period of time before the -- the RAB
23 as well as Dr. Lene and -- and -- and myself
24 representing the government make a decision whether
25 to accept the report and close out that -- that call

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1 I think that --

2 MR. ROBERSON: That -- I mean, I think
3 that's -- that's fine.

4 MR. ZYTOPEK: Sure.

5 MR. LENE: As I recall, Dan, there was
6 a provision for questions at the RAB and shortly
7 after the RAB --

8 MR. ZYTOPEK: That's right.

9 MR. LENE: -- that would be sent to
10 Mr. Lynch --

11 MR. ZYTOPEK: That's right.

12 MR. LENE: -- and he could respond to
13 those in writing as part of the --

14 MR. ZYTOPEK: That's right. And
15 I believe that that was something that was discussed,
16 as well.

17 MR. LENE: And we do need to set a
18 time frame on that. We don't want to do this over a
19 six-month period.

20 MR. ZYTOPEK: Right. And,
21 certainly --

22 MR. LENE: I was thinking next week.
23 If you can get them to me, I'll see that he gets
24 them.

25 MR. ZYTOPEK: Yeah. And for that

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1 matter, if you want to include those questions with
 2 that form that we handed out tonight, that would be
 3 fine, as well.
 4 MR. LENE: Also, I think we should
 5 restrict our questions to his report and not other
 6 issues.
 7 MR. ROBERSON: Absolutely.
 8 MR. HAGELTHORN: Exactly.
 9 MR. HUERTA: Where does this form go
 10 back to? Did I miss --
 11 MR. ZYTOPEK: It can either go to
 12 Dr. Lene or myself. I'll leave some cards --
 13 MR. ROBERSON: Why don't we send them
 14 to Dr. Lene -- all the RAB members.
 15 MR. LENE: If you'll send them to me,
 16 I'll see that he gets them. That's easy enough.
 17 Just my name at St. Mary's University. They know who
 18 I am.
 19 MR. PERSON: I would like to also
 20 recognize the fact that this is Allan Hagelthorn's
 21 last meeting and I'm sure he would have some closing
 22 comments for us before we -- before we adjourn
 23 tonight. I wouldn't want to drag this out too much
 24 longer, but --
 25 MR. HAGELTHORN: I'll throw my speech

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1 away. Yes, this is my last meeting. I'm leaving
 2 with my wife up to Seattle. She's going to be an
 3 attorney. And I look over at the history of my time
 4 on this RAB, starting with Larry Bailey, myself and
 5 two co-chairs and look at the -- the changes that
 6 have gone on and the -- the people that have come and
 7 gone on the RAB and the place that we are with
 8 Dr. Lene and General Murdock tonight. In the three
 9 and a half, almost four years, that I've been on the
 10 RAB, I think this has been by far the most productive
 11 meeting we have had yet to date. It's been nice to
 12 have a meeting that was productive like tonight and
 13 to leave on that note is -- makes me feel real good.
 14 There are some issues I -- I -- I'm
 15 really thankful to General Murdock for the Community
 16 Relations Plan, which I asked for the last time.
 17 I -- I saw this back in 19 -- 1997 when I had input
 18 to writing this. Being a Community Relations Plan,
 19 it's supposed to be a living document -- so that's
 20 one thing you ought to look at in the contract is to
 21 update it. As I've said -- for four years
 22 almost -- that it's my opinion that community
 23 relations is the weakest link of the entire
 24 Restoration Advisory Board and the cleanup activities
 25 at Kelly. I know Dick Walters and his guys at

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1 Public Affairs have done an outstanding job and they
 2 need to be commended for the things that they do. In
 3 reacting to situations, you couldn't ask for anybody
 4 better to be doing that than Dick Walters. But in
 5 actually getting out and communicating with the
 6 community and educating the community -- I know there
 7 were efforts on the Community Relations Plan two
 8 years ago to develop some education programs that
 9 since that time have gone by the wayside and it's a
 10 real shame because they were wonderful programs. I
 11 just think that if you're going to spend money on
 12 community relations, you should start focusing and
 13 start getting some deliverables and start getting out
 14 to the community. As we've seen tonight from the
 15 community members, there's a lot of fears out there.
 16 There's a lot of concerns about what these numbers
 17 mean and what these hazards are and, you know, what
 18 the impact is on them and that's the purpose of the
 19 Community Relations Plan is to -- to educate the
 20 community. And, so far, in my opinion of doing
 21 community relations for ten years, we haven't done
 22 that. We haven't even started to do that. And, so,
 23 I would hope that, as I leave, that the -- the RAB
 24 takes a new position and starts to educate the
 25 community, the kids -- let the kids learn and bring

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1 that information back to their parents so they can
 2 learn and -- there's -- there's a wonderful program
 3 laid out at Kelly. It just sort of fell by the
 4 wayside -- yeah -- it's in the bottom right-hand
 5 drawer of the desk I used to have.
 6 I'm going to miss everybody here.
 7 I've made -- made some good friends here. I've had
 8 some wonderful experiences. I've been a thorn in the
 9 side of Armando and George, but we -- we care very
 10 much for each other and I'm going to miss everybody.
 11 I wish you all the best. And just keep focused that
 12 the whole purpose of this is to -- to help the
 13 community and to clean up Kelly, not for personal
 14 agendas. Thank you.
 15 BRIG. GEN. MURDOCK: Thanks, Allan. I
 16 appreciate your remarks.
 17 (Applause.)
 18 BRIG. GEN. MURDOCK: The hour is
 19 late. What we -- we, the co-chairs, have elected to
 20 do is pass on the Environmental Priorities. We'll
 21 add that to the agenda next time. I agree with --
 22 with Allan and, hopefully, others in the room that
 23 I think this has been a very meaningful meeting and a
 24 lot of good dialogue and discourse.
 25 What I'd like to suggest is that -- a

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1 couple of items -- as I understood the RAB for
 2 consideration on the agenda next -- next meeting and
 3 that's -- those items would be the off-base
 4 contamination issues update, depending upon how we
 5 sort out the workshop and have them look for it at
 6 that time. I'd ask for a redevelopment update that
 7 we missed this evening by GKDC and, also, AFTCA.
 8 Certainly, by that time, the Air Force, I reasonably
 9 expect to be able to comment on the TAPP report and
 10 we'll provide our comments to the RAB, if not to the
 11 TRS, as soon as they're available and compiled, but
 12 we'll be glad to make a presentation then.

13 We'll look at the Environmental --
 14 I assume Dr. Lene would like to discuss the
 15 Environmental Priorities issue that we had to pass
 16 over this evening. And, Allan, based on your
 17 remarks, let me dialogue with Gene and see what we
 18 might be able to come up with with a community
 19 relations update course of action and leave that as
 20 a -- as a possible to-do agenda item in light of your
 21 comments.

22 MR. PERSON: One comment that I would
 23 like to add to what Allan said. The American
 24 Groundwater Association has a children's program that
 25 was put in place and I have attended one -- a

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1 groundwater program in Grand Island, Nebraska, which
 2 started out with 200 children. The last time I was
 3 there, there was over 4,000 kids at that groundwater
 4 event and it is a huge success in the State of
 5 Nebraska and the kids are all energetically energized
 6 about protecting their groundwater -- and when I was
 7 at that meeting -- and this was in 1995 -- I was told
 8 that Kelly Air Force base had that same program --
 9 and to date, I have not seen that. It's a great
 10 program. It needs to be revived. It needs to be --
 11 that program needs to be revived. It needs to be --
 12 it needs to be pushed. It needs to be brought into
 13 our children's perspective of what our groundwater is
 14 all about. And Allan is 100 percent right. That
 15 program is here. It just needs to be picked up and
 16 run with. If you need any information, I'd be glad
 17 to get it for you.

18 MR. HAGELTHORN: And I'm available as
 19 a consultant to gear it back up --

20 MR. PERSON: For a small fee.

21 MR. HAGELTHORN: For a small fee.

22 BRIG. GEN. MURDOCK: Sam, did you have
 23 a comment?

24 MR. SANCHEZ: Yes. I think I
 25 mentioned that we're doing those health education

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1 seminars for -- for the medical professionals -- and,
 2 also, we hope to do some for the community in the
 3 next couple of weeks. But one thing we've learned is
 4 that every time we do those presentations through
 5 groups like doctors or physicians -- as we -- we --
 6 we go through this history of the issue of
 7 Kelly Air Force Base -- every time -- and I think
 8 that there needs to be a history of -- of this
 9 issue. We're losing a lot of people that are leaving
 10 the -- the RAB board and there's a -- a -- gaps
 11 that are -- and there's even -- some of your
 12 technical staff is leaving, you know, for other
 13 assignments. So -- and I'm sure there's some kind of
 14 repository that will -- you know, it will sit there
 15 and -- and accumulate dust for -- for eons, but
 16 I think that the people do need to know what the
 17 issues are, what they have been and what we hope to
 18 accomplish here and they can only be done if it's
 19 written down in layman's terms and it continues to be
 20 reiterated. I think that -- I agree with Allan.
 21 I think that there are significant amounts of
 22 professional groups and societies here in San Antonio
 23 that do not know as much about Kelly as they need to
 24 know and -- you know, there -- there really needs to
 25 be some outreach towards that -- you know, for these

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1 other groups.

2 BRIG. GEN. MURDOCK: Good comments.
 3 I will go ahead and compile the action
 4 items. I won't bother to go through all the items,
 5 but we will do as we have done in the past and do a
 6 "Q" and "A" and provide them in the material package
 7 that we'll send to you.

8 I'd like to emphasize two dates.

9 Based on the letter that Dr. Lene received, the
 10 24th of August is the date that the ATSDR report will
 11 be reported to the public. I assume they will let
 12 you know about a time and a place and a location, but
 13 that will be on the 24th and our next RAB meeting
 14 will be at -- on the 5th of October at Dwight Middle
 15 School.

16 MR. LENE: Okay. That's a change,
 17 then?

18 BRIG. GEN. MURDOCK: Yeah. That has
 19 changed. Not the 19th of October, but the 5th of
 20 October. Are there any last-minute -- last-minute
 21 comments, questions?

22 I guess in closing -- again, Allan,
 23 thank you very much for your many contributions. I
 24 appreciate -- and on behalf of the entire RAB, all
 25 the best to you as you relocate to Seattle.

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1 MR. HAGELTHORN: Thank you.
 2 BRIG. GEN. MURDOCK: Thank you-all.
 3 Meeting's adjourned.
 4 (Meeting concluded.)
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1 STATE OF TEXAS *
 2 COUNTY OF BEXAR *
 3 I, JULIE A. SEAL, a Certified
 4 Shorthand Reporter in and for the State of Texas, do
 5 hereby certify that the above and foregoing contain a
 6 true and correct transcription of all proceedings,
 7 all of which occurred and were reported by me.
 8 WITNESS MY HAND, this the 26th day of July,
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 12 Cert. No. 5160
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