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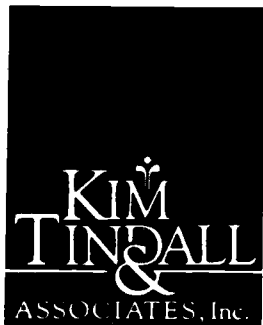
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FINAL

RESTORATION ADVISORY Board

SEPTEMBER 25, 1995

COPY



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RESTORATION ADVISORY BOARD MEMBERS:

MR. ALLAN HAGELTHORN
Community co-chair;

MR. LARRY BAILEY
Kelly AFB co-chair;

MR. ROY GILL
Kelly AFB employee;

MR. GARY BEYER
TNRCC, Austin;

MR. GEORGE RICE
Groundwater hydrologist;

MR. ARMANDO C. QUINTANILLA
American Assoc. of Retired People;

MS. YOLANDA A. JOHNSON
Committee for Environmental
Justice - Action;

PROF. GENE W. LENE
Academic Community;

MR. THOMAS E. MOORE
Kelly AFB employee;

MR. KIRK LOFTIN
Alternate for Mr. Sam Sanchez

MR. EDWARD WEINSTEIN
Alternate for Ms. Joan Falkenburg;

MR. SAM MURRAH
Broker/Appraiser;

MR. TOM CULBERTSON

JULIE A. SEAL
Certified Shorthand Reporter.

* * * * *

1 On the 25th day of September, A.D.
2 1995, the above entitled meeting came on for
3 discussion before said ALLAN HAGELTHORN, and the
4 following proceedings were had:

5 MR. HAGELTHORN: I'd like to
6 thank everybody for showing up tonight on behalf
7 of the Department of Defense community. The
8 first thing on the agenda is the review of the
9 last meeting minutes. Does anybody have any
10 comments to the last meeting minutes that would
11 like to be changed?

12 MR. QUINTANILLA: Yes. There's
13 quite a few.

14 MR. HAGELTHORN: Okay.

15 MR. QUINTANILLA: There's quite a
16 few, especially on Paragraph D, on the Charter
17 Revision. I believe everyone has received a
18 copy of the changes that I'm proposing to be
19 made to the minutes. These are the changes that
20 you-all made. However, the way they appear in
21 the minutes is not correct. This is the correct
22 way that they should be in the minutes. And I
23 move that the minutes be corrected to reflect
24 what's in this sheet that everybody has
25 received.

1 MR. RICE: I second the motion.

2 MR. QUINTANILLA: Just to give
3 you an idea as to how the minutes were -- They
4 were not accurate. The statements under
5 Paragraph D were not accurate; for example, on
6 Section I, a, "No suggested changes were
7 introduced by me." Another example for
8 Section II is -- II, a, -- "All the changes
9 proposed by me were accepted by the Board."
10 This is not reflected in the minutes -- and it
11 goes on and on as far as Paragraph D is
12 concerned on the Charter minutes. Therefore,
13 I'm -- I'm proposing that the minutes be changed
14 as I have presented them here today.

15 MR. BEYER: Mr. Quintanilla, do
16 you have multiple copies or --

17 MR. QUINTANILLA: It should be in
18 your package, sir.

19 MR. HAGELTHORN: The package --
20 in everybody's package --

21 MR. QUINTANILLA: Yes. It should
22 be in your package.

23 MR. HAGELTHORN: Correction to
24 the Draft RAB Meeting Minutes, August 21st,
25 1995.

1 MR. QUINTANILLA: It's a mess,
2 Gary -- the whole -- the whole -- so that's the
3 reason I'm -- this -- all of Paragraph D should
4 be changed to what is in your hands right now.

5 MR. HAGELTHORN: Okay. After
6 reviewing this, does anybody have any input to
7 those changes, any questions or concerns about
8 Mr. Quintanilla's changes?

9 MR. MOORE: It's really hard,
10 without the whole charter in front of me, to
11 take -- take these lines, because they may be
12 within or without -- or out of context. I'm not
13 really sure. I don't have it -- the Charter in
14 front of me right now. I thought I had grabbed
15 it. I didn't.

16 MR. QUINTANILLA: Let me assure
17 you that if you have any doubts on it, you can
18 contact Ms. Adrienne Williams or
19 Mr. Mike Estrada. They worked with me to make
20 sure that what I'm presenting to you is correct.

21 MR. HAGELTHORN: I just reviewed
22 this with Adrienne, too. The only change -- or
23 the only question that we have about it is one
24 that I would like to table. I would like to
25 make a motion we accept the changes as written,

1 with the exception of Paragraph -- let's
2 see -- one, two, three, four -- Paragraph V,
3 because that paragraph is still in work. There
4 are some changes to be made to that paragraph.
5 I would like to go ahead and make the motion we
6 accept the rest of the changes.

7 MR. QUINTANILLA: Except
8 Paragraph V -- and I will want to bring that up
9 at a discussion later on in -- which is on the
10 agenda -- Paragraph V.

11 MR. HAGELTHORN: Do we have any
12 discussion -- any objections to that?

13 MR. GILL: Who's working on
14 this?

15 MR. HAGELTHORN: Adrienne,
16 Mr. Quintanilla, Mr. Bailey -- except --

17 MR. GILL: They're working on
18 revising this paragraph?

19 MR. HAGELTHORN: Revising
20 Paragraph V, yes. There are some issues in
21 there that aren't acceptable.

22 MR. TEAGUE: Just for the
23 business aspect, you had a motion and a second
24 so I think you need to okay the amendment -- or
25 whatever.

1 MR. HAGELTHORN: Let's go
2 ahead --

3 MR. QUINTANILLA: I think we go
4 for the amendment, first -- or the change --

5 MR. TEAGUE: I'm sorry. I meant
6 either that or agree to it. That's what I
7 was -- agree to the amendment.

8 MR. HAGELTHORN: Any more
9 discussion? We have a motion. Should we take a
10 vote? Do we accept it as published, with the
11 exception of Paragraph V? All in favor?

12 (Vote by the RAB members.)

13 MR. HAGELTHORN: All opposed?

14 (Vote by the RAB members.)

15 MR. HAGELTHORN: It's passed. It
16 was seven -- eight to three.

17 Next item on the agenda is
18 Membership Actions. We have two applications
19 for membership. One thing I would like to bring
20 up is back in March we also -- at that time, we
21 tabled the resolution to limit the size of the
22 RAB. We had talked about limiting the size to
23 24, but we tabled it and never discussed it
24 again. Before we go ahead and make a vote on
25 accepting new members currently -- I believe we

1 are at -- 22 members is the current voting
2 membership of the RAB. Before we go ahead and
3 make a vote -- or make a motion to look at
4 accepting any new members, one thing I would
5 like to do is, I'd like to finalize with the
6 Board what the limit to the size of the RAB is
7 going to be. Do we have any discussion?

8 MR. QUINTANILLA: I would like to
9 start it out by saying that the instructions
10 that have been coming down from Department of
11 Defense limits the RAB to 20. It can be
12 bigger. There are -- Other installations have
13 up to 65. But one of the things that I -- I
14 want to also -- want to bring out at this time,
15 that there should be a balance of members from
16 the local community and that there should be
17 some diversity. The people that are affected in
18 the neighborhoods is 99 percent Hispanic. You
19 do not see that reflection here on this RAB
20 Board.

21 MR. HAGELTHORN: Mr. Rice?

22 MR. RICE: I'd like to make a
23 comment that -- I can understand how some --
24 someday we may need to limit the RAB
25 membership. But at a time when we have trouble

1 making quorums, I don't think we need to limit
2 the number of members -- especially if they're
3 interested members who are going to show up.
4 So, I say let's -- I don't see any problem with
5 the number of members at this point. If
6 anything, we have too few.

7 MR. HAGELTHORN: Any further
8 discussion?

9 MR. BAILEY: I'd like to make a
10 comment. I agree that we need to, in some way,
11 get more of the people from the local neighbors
12 on the RAB group. So, just a word of
13 encouragement, that if we know of people who are
14 seriously interested in participating as a RAB
15 member, that we try to bring those people
16 aboard. If for some reason they cannot
17 participate as a RAB member for whatever
18 reasons, then I submit to you, then, we need to
19 take this program to them. Regarding the RAB
20 membership, there's no question that we need to
21 get more people from the local neighborhoods
22 around Kelly Air Force Base. So, I would
23 definitely add a second onto what was said
24 earlier. So, if anybody's got any ideas on how
25 we can get more people out there -- I know we're

1 going to make an attempt over the next few weeks
2 to go door to door with some of our information
3 and it may be good at that time that while we're
4 out there knocking on doors asking them would
5 they like to join the RAB. So, that's an
6 opportunity that we'll have while we're out in
7 the local neighborhoods.

8 MR. QUINTANILLA: One more
9 comment. Your base closure team is coming in,
10 possibly, in October. They're going to bring in
11 at least three members. So, your RAB is going
12 to grow by three members -- and it's mandatory.
13 Hopefully, there will be some minorities in
14 there.

15 MR. HAGELTHORN: Okay. Any other
16 discussion? So, from what I understand, we're
17 going to keep the membership open at this time
18 and readjust this -- address it at another
19 time. Currently, we have 22 members of the
20 RAB. We'll be listening to Mr. Culbertson and
21 Mr. Murrah -- their presentations tonight on
22 accepting them into the membership. And let the
23 record reflect that we will have open membership
24 until the Board determines that we need to cap
25 it.

1 The next thing on the agenda is we have two
2 applications for membership to the Restoration
3 Advisory Board. The first is Mr. Culbertson.
4 Sir, would you like to come up and talk to the
5 Board -- address the Board -- and why you want
6 to be on the Board and what your credentials
7 are?

8 MR. CULBERTSON: Well, ladies and
9 gentlemen, I'm concerned about pollution of our
10 environment and I've been a professor of
11 hydrology and I'm very much interested to see
12 that the adults take more responsibility in
13 preserving and protecting this environment. So,
14 if I can help you in some way with my
15 background -- formerly with the United States
16 Geological Survey and the Texas Board of Water
17 Engineers for some years, I'd be glad to do so.
18 I'm at your discretion. If I feel like -- or
19 you don't feel like that I can help you, well,
20 I'll be glad to leave. Thank you.

21 MR. HAGELTHORN: Thank you,
22 Mr. Culbertson. The second application for
23 membership comes from Sam Murrah. Sir?

24 MR. MURRAH: I'm Sam Murrah and I
25 live more in Central Park City, but I have lived

1 in the past in this area -- down on the Persine
2 property -- and I'm present -- and a former
3 ranch broker in the past. I was with the
4 Soil Conversation Service in Brackettville,
5 Rock Springs, Kerrville and Martin, Texas, which
6 is west of Lubbock. So, I've been interested in
7 water problems. I am a ranch conservationist --
8 ranch specialist -- but water is certainly a
9 problem in the farm and ranch industry. So,
10 that's where I come from and I'm -- you-all are
11 probably educating me, more than I'm educating
12 you. But I'm ready to learn, if you feel the
13 need. Thank you.

14 MR. HAGELTHORN: Thank you, sir.
15 We've heard from both of the applicants for the
16 membership into the RAB. I'd like to see if
17 there's anybody that would like to make a motion
18 to accept Mr. Culbertson and Mr. Murrah into the
19 RAB.

20 MR. RICE: I'll make that motion.

21 MR. QUINTANILLA: I'll second it.

22 MR. HAGELTHORN: All in favor.

23 (Vote by the RAB members.)

24 MR. HAGELTHORN: Opposed?

25 (Vote by the RAB members.)

1 MR. HAGELTHORN: Mr. Culbertson,
2 Mr. Murrah, I welcome you to the RAB. We look
3 forward to working with you.

4 MR. CULBERTSON: Thank you very
5 much. I would like to take this opportunity to
6 announce that there's a meeting tomorrow night
7 of the Regional Clean Air and Water. It's at
8 419 East Magnolia. And one of the guest
9 speakers will be a conservationist talking about
10 the recharge zone of the Edwards Aquifer.
11 That's tomorrow night at the -- what do you
12 call that -- the Ruble Center at 419 East
13 Magnolia. You're all welcome.

14 MR. MURRAH: I might add that --
15 he didn't mention that it's the -- the lady
16 that's involved with the SACO project -- which
17 you-all might have heard of -- and -- in
18 Medina County -- and that's -- that's really the
19 topic -- their work as it applies to the
20 Water District.

21 MR. HAGELTHORN: Thank you.
22 Mr. Quintanilla, just for clarification -- I
23 just want to clarify what your vote was.

24 MR. QUINTANILLA: I voted for
25 it. I second the motion.

1 MR. HAGELTHORN: I didn't see
2 your hand.

3 The next item is Resignations/Removals from
4 the Board. Are there any motions for
5 resignations or removals from this Restoration
6 Advisory Board?

7 MR. QUINTANILLA: I would like to
8 ask the staff, are there any members who have
9 missed two or more meetings?

10 MR. WALTERS: At this point, I
11 have documented that Kelly Thurlow and
12 Florencio Martinez have missed three meetings
13 consecutively without an alternate.

14 MR. RICE: Kelly Thurlow was at
15 the last meeting.

16 MR. WALTERS: Was she? I'll have
17 to check hers, then. Florencio Martinez would
18 be the one.

19 MR. QUINTANILLA: Mr. Smith, I
20 believe, was not here at the last meeting and
21 he's not here at this meeting, also.

22 MR. WALTERS: Mr. Smith is out of
23 town and his people called this afternoon.

24 MR. QUINTANILLA: Is that an
25 excuse -- good excuse or --

1 MR. WALTERS: I don't know to the
2 RAB members. I can only say that he has twice
3 been out of town on business for his employer.

4 MR. QUINTANILLA: But he doesn't
5 have no alternate to come in for him.

6 MR. WALTERS: That is correct.

7 MR. HAGELTHORN: Any discussion?

8 MR. QUINTANILLA: We have three
9 members, then, that have not come two meetings
10 in a row?

11 MR. HAGELTHORN: Two members.
12 Smith, you said was here last week -- or
13 somebody said Smith was --

14 MR. QUINTANILLA: I said Smith.

15 MR. HAGELTHORN: So, there's two
16 members that haven't been here.

17 MR. QUINTANILLA: And the other
18 member was who?

19 MR. WALTERS: Florencio Martinez.

20 MS. WILLIAMS: Can I ask a
21 question? Have you notified these individuals
22 that they have missed these meetings? Not yet?
23 Okay. I just want to make clear that in advance
24 of removing these individuals, they need prior
25 notification. So --

1 MR. HAGELTHORN: Okay.
2 Historically, this issue has come up once
3 before. The Board voted to remove two
4 individuals in the past that missed three
5 meetings. I'd like to know what the Board's
6 position is this time?

7 MR. QUINTANILLA: You know, in
8 order to be consistent, I move for their
9 removal.

10 MR. HAGELTHORN: Do we have a
11 motion?

12 MR. QUINTANILLA: That was the
13 motion.

14 MR. HAGELTHORN: That's the
15 motion. Do we have a second to the motion?

16 MR. BAILEY: I second the motion.

17 MR. HAGELTHORN: All in favor of
18 removing the two individuals from the Board for
19 missing two or more consecutive meetings, please
20 raise their hands.

21 (Vote by the RAB members.)

22 MR. HAGELTHORN: All opposed?

23 (Vote by the RAB members.)

24 MR. HAGELTHORN: Abstain?

25 Opposed?

1 MR. RICE: I'm opposed.

2 MR. HAGELTHORN: We have a couple
3 of non-voters here. The motion carries eight to
4 one.

5 MR. HAGELTHORN: Mr. Walters, I
6 believe it's -- you're next on the agenda. But
7 before we get to that -- or maybe I'll ask you
8 this question: What is the policy -- Do we send
9 a letter to these people notifying them of the
10 Board's action.

11 MR. BAILEY: Yes.

12 MR. HAGELTHORN: So, we'll send
13 out a letter notifying them of the Board's
14 action.

15 The next item on the agenda is
16 Training Opportunities within the Department of
17 Defense, opportunities that Mr. Walters will
18 talk to us about.

19 MR. WALTERS: I don't have slides
20 because I don't have much to offer tonight. We
21 sent the Board members a notice of an August
22 29th and 30th groundwater protection seminar.
23 It was put on free by the Texas Natural Resource
24 Conservation Commission here in San Antonio.
25 Did anybody go to that? We have three of our

1 Board members who were there.

2 Okay. We'll continue as we find out about
3 things in the local area -- to pass those on.
4 As far as DOD schools, the only course that we
5 have to offer right now is the week-long course
6 that's at Wright-Patterson Air Force Base in
7 Ohio. It's a basic instruction to the
8 Installation Restoration Program. It talks
9 about the technologies that we use, how we
10 study, how we design systems -- it goes through
11 the entire process that we're working with. The
12 drawback to that is that it's up there. They
13 bring in a large range of speakers, so it's not
14 something they can package up, put on the road
15 and bring to us, at this point. So, as we're
16 coming into a new fiscal year, is there anyone
17 here who would want to spend a week in Ohio to
18 go to school?

19 MR. QUINTANILLA: I would.

20 MR. WALTERS: Mr. Quintanilla.

21 Okay. If we could get that on videotape or some
22 other format that we could have it down here,
23 would you be interested in doing it down here --
24 perhaps, in the evening or in some other form.

25 MR. QUINTANILLA: Do you want to

1 explain to them that all expenses --
2 transportation and all -- will be paid by Kelly
3 Air Force Base from O&M funds to attend those
4 courses.

5 MR. WALTERS: Yes. Thank you.
6 I'd like to point that out. If we do get a
7 quota to send you to the school, you would be
8 going on basically the same basis as our Air
9 Force staff. You'd be going with your ticket
10 paid for you, you'll be given quarters there and
11 you will be paid for -- your per diem for your
12 meals and expenses. Does that affect anybody's
13 decision?

14 MR. QUINTANILLA: That does make
15 a difference.

16 MR. MURRAH: That does make a
17 difference.

18 MR. LENE: When is that?

19 MR. WALTERS: They run it on a
20 schedule about six to eight times a year,
21 depending on the need. So, it would be a case
22 of us going in and trying to secure quotas. And
23 I would say that if we were to get four quotas
24 for the year, this Board probably could fill --
25 from present, then perspective members --

1 perhaps four. Does that seem reasonable?

2 Mr. Rice?

3 MR. RICE: Do you mean to say we
4 need at least four people before anyone can go?

5 MR. WALTERS: For anyone to go?

6 No.

7 MR. RICE: You said there's no
8 minimum number.

9 MR. WALTERS: If Mr. Quintanilla
10 is the only one interested and we can get one
11 quota in the next fiscal year, we will try to
12 get Mr. Quintanilla and that quota matched up to
13 get him to the school, but I would like to have
14 the opportunity that later in the fiscal year,
15 if, for instance, you decided -- or Professor
16 Lene or Mr. Moore -- or any member of the
17 Board -- decides, "I'd like to have this
18 training," that we would still have the
19 opportunity to go forth. We're going to have to
20 talk with the school. It's new. They've had a
21 few RAB members -- very few -- in that school,
22 but -- it's not normal, so we would have to work
23 some things out to make it happen.

24 MR. MURRAH: Is there a brochure
25 about these classes?

1 MR. WALTERS: You'd like a
2 prospectus or a brochure or something about the
3 classes? I will get what we have in the
4 Air Force school's catalog and we'll send that
5 out with the next -- with the minutes from this
6 meeting to all the members.

7 MR. MURRAH: That might make a
8 difference.

9 MR. WALTERS: Okay.

10 MR. GILL: What time frame are
11 you talking about as far as quotas and --

12 MR. WALTERS: Again, for us to
13 get a quota now, we'd probably be too late to
14 get a special quota in the first quarter, so
15 we're working second, third or fourth quarter of
16 the coming fiscal year -- after January. So,
17 it's an opportunity that's there. We'll pursue
18 it, if the interest is here -- and apparently
19 there is the interest to pursue it. Okay.

20 MR. GILL: You will get us that
21 information next time?

22 MR. WALTERS: You will have it in
23 your mail-out of the draft minutes from this
24 meeting. Is there anything that you can think
25 of that you would like to know more about that

1 we could either locally do or ask the Air Force
2 to provide as far as training as to how the RAB
3 works or how the cleanup process works or
4 anything along that line? Does anyone have a
5 particular need?

6 MR. QUINTANILLA: I do have a
7 recommendation. We have a lot of new members
8 and some of them did not attend the first
9 initial workshop or the site tours. I think
10 that one is due us within the next month or so
11 for those that did not attend or those that wish
12 to attend. I would like that to happen.

13 MR. WALTERS: Okay. Could I
14 propose that we do it, say, four to six weeks
15 down the road when the weather changes a little
16 bit -- it's a little bit cooler to be out on the
17 bus going on the tour.

18 MR. QUINTANILLA: That would be
19 all right. As long as it's not too cold -- the
20 way it was last time -- in January -- I think it
21 was in January. It was freezing.

22 MR. WALTERS: Okay. We can put
23 together an orientation --

24 MR. QUINTANILLA: A one-day deal.

25 MR. WALTERS: Can we do a full

1 day?

2 MR. QUINTANILLA: I think so. I
3 think there's enough subjects in there where you
4 can do a full day.

5 MR. WALTERS: For those RAB
6 members who were not able to make the workshop
7 last January, would you be interested in
8 spending a full day with us to learn about the
9 program?

10 MR. CULBERTSON: Yes.

11 MR. WALTERS: I have three.
12 Okay. I think that's enough that we can put a
13 program together. We'll also get that proposal
14 put together and put that in the mail to you.
15 So, we'll do some local training, we will look
16 at some AFIT quotas at Wright-Patterson for
17 those who are interested and we will also keep
18 our ears open with the Texas Natural Resource
19 Conservation Commission on the free programs
20 that they provide. So, we've got three
21 directions we're going to go with training.
22 Thank you.

23 MR. HAGELTHORN: Thank you,
24 Mr. Walters. I've been asked to make an
25 announcement that whoever speaks, please speak

1 up so our Court Reporter can get it down,
2 because we're making transcripts for the
3 record -- so I'll try to speak up. I have a
4 very soft voice.

5 The next item on the agenda is
6 Subcommittee Reports. The first subcommittee is
7 the newsletter. Mr. Sanchez is not here for
8 it. Is there another member from the
9 committee? Kirk? Are you ready to make a
10 presentation?

11 MR. LOFTIN: Well, I'm -- I'm
12 here as alternate for Mr. Sanchez tonight and --
13 Mr. Walters received the -- the articles -- and
14 they're in your packets. One of them is from
15 Doctor Guerra, the Director of Health -- and the
16 other one -- Rich Garcia -- who is the
17 Regional Manager for TNRCC here in
18 San Antonio -- the only two articles that I've
19 looked at. But he just wanted me to mention
20 that and they're here for you-all to look over.
21 And he didn't -- Mr. Sanchez didn't really have
22 an opinion about your current name. I mean, he
23 just reinforced to me what it was going for, so
24 I guess that means we have to vote.

25 MR. RICE: If someone would like

1 to put an article in, what's the process?

2 MR. LOFTIN: Well, I would say
3 call Mr. Sanchez and -- I'm sure he could make
4 arrangements for that. And I can give you his
5 phone number right now, if you'd like.

6 MR. RICE: I think it's probably
7 on here -- on the back.

8 MR. LOFTIN: Is it on there?

9 MR. RICE: How often will this
10 appear?

11 MR. LOFTIN: Sir, I don't know --
12 I really don't.

13 MR. WALTERS: Mr. Chairman, can
14 you take a staff comment?

15 MR. HAGELTHORN: Yes.

16 MR. WALTERS: Apparently, our
17 committee chair is not here, also --
18 Bill Sain -- who is on the committee -- who's
19 not here -- Mr. Quintanilla was in our initial
20 meeting when we planned this, but the committee
21 has not had an opportunity to get together since
22 then. To my recollection, the proposal was we
23 would do this six times a year -- roughly every
24 two months -- and that the committee -- with
25 Mr. Sanchez, Mr. Sain and Mr. Quintanilla --

1 would be the editors of the publication and his
2 staff would prepare it.

3 MR. HAGELTHORN: That's what I
4 recollect, also. I believe one of the issues
5 was to pick a name. Mr. Loftin, did Mr. Sanchez
6 want to defer this to the next meeting or is
7 this something that you wanted to talk about
8 tonight?

9 MR. LOFTIN: No, sir. He just --
10 He said that's tentative -- what it's been
11 called. He was open to any suggestions and had
12 no particular preferences he related to me.

13 MR. HAGELTHORN: Does anybody
14 have any input? RAB Voices is the proposed name
15 for it. Does anybody else have any input of
16 what name they would -- like to see as a name
17 for the publication?

18 MR. BAILEY: I would like to make
19 a motion that we table this until next time,
20 giving us some time just to take a look at this
21 and printing up -- There are some people here
22 that have indicated they've got some -- some
23 good, creative ideas about this. I'd just make
24 a motion that we wait until this next time, when
25 it's presented, and then all of us present the

1 ideas and then vote on them.

2 MR. HAGELTHORN: Go ahead --
3 Everybody go ahead and start thinking about
4 ideas for the publication. If you have a
5 suggestion for a name, go ahead and formulate
6 those plans and ideas and we'll go ahead and
7 table this issue until the next RAB meeting.

8 Technical Assistance Grants. Mr. Ayala's
9 not here, also. The next item will be
10 Groundwater. Mr. Rice has a presentation from
11 the Groundwater Board Subcommittee.

12 MR. RICE: Thank you, Allan. I
13 won't take as much time as this last time. I
14 just have two quick things. One of them
15 occurred to me because of what occurred last
16 time and -- and I got to thinking of how can the
17 RAB actually have any kind of substantial effect
18 on the direction that programs take here? And I
19 started thinking that when we get involved in
20 the sort of thing like we did last time -- and
21 here I'm referring to the process rather than
22 the substance.

23 When we review a feasibility study here as
24 members of the RAB or as citizens, what we're
25 essentially doing is reviewing a done deal. At

1 that point, there's really very little that we
2 can do to change the fundamental direction that
3 that document is pointing out, because it's been
4 through contractor review, Air Force review --
5 and I think with the last document, the Zone 2
6 feasibility study, that had already received
7 state approval. So, the chances of us
8 influencing the direction of the program at that
9 point are pretty slim.

10 So, what I'd like to propose is that we
11 begin doing something relatively soon that we
12 had already discussed one or two times in here
13 before, and that is, get the RAB involved much
14 further up front in the process -- maybe as much
15 as a couple of years. I was talking to, I
16 think, Kenny earlier before the meeting started
17 and I said, "I'd like to get as close to sitting
18 down with the contractor as they do their
19 calculations as I can -- although I understand
20 that that's not possible.

21 But what I would like to propose this
22 evening is that we set up a meeting -- because
23 we certainly don't want to go through all the
24 details necessary to go through at this point,
25 but let's set up a meeting with the Groundwater

1 Subcommittee, whatever other members of the RAB
2 are interested and Mr. Bailey or whoever he
3 would like to represent him and let's work out
4 the details of how we can begin getting involved
5 more at the front end of this process rather
6 than at the back end. So, if we can, I'd like
7 to set a tentative meeting date -- if that's
8 agreeable to people -- for when we can get
9 together and kind of hammer out the details of
10 how we're going to do this. Is that agreeable?

11 MR. BAILEY: Certainly.

12 MR. RICE: How about a week from
13 next Tuesday?

14 MR. BAILEY: Can I suggest that
15 we go with a week from Tuesday, but just --
16 again, from our standpoint, we will phone back
17 and we will tell Mr. Rice. That's an acceptable
18 time to us. We will make that time, but I don't
19 know that these other people will be free.

20 MR. RICE: What I'll do is I will
21 call everyone and get times straight. I'll call
22 Air Force folks and I'll call the members of the
23 Groundwater Subcommittee -- and whoever else
24 would like to be contacted -- and we'll find
25 it -- you know, after some back and forth --

1 we'll get a time when we can all get together
2 and meet on this, if that's agreeable to
3 everyone.

4 MR. TEAGUE: Mr. Rice, may I ask
5 a question? Were you talking a week from next
6 Tuesday being the 3rd or a week from next
7 Tuesday being tomorrow -- the 26th. That would
8 make it either the 3rd of October or the 10th.

9 MR. RICE: I think it's the
10 10th. It's the 10th.

11 MR. TEAGUE: Okay. Thank you.

12 MR. RICE: But if people have
13 problems, we'll get it all worked out.

14 MR. RICE: What I'd like to do
15 next is spend just about five minutes doing what
16 I said maybe doesn't make much sense to do a
17 little earlier -- and that's talking about a
18 feasibility study. I read -- Between our last
19 meeting and today, I've been reading
20 about Zone 3 groundwater and I've come across
21 some things that, to me, appear pretty
22 disturbing and I'd like to let you-all know
23 about them now.

24 I'd also like to say that I had planned to
25 talk to the Air Force well before this meeting

1 so I -- they could explain any
2 misinterpretations I might have made or
3 whatever. But for some reason, for the past
4 several weeks, no one on the E.M. staff has
5 returned any of my phone calls -- repeated phone
6 calls. So, you get this report without the
7 benefit of Air Force review. Like I said, this
8 is Zone 3 feasibility study for groundwater.
9 And my concern here is basically with two
10 things. My reading of this makes it appear that
11 the Air Force is doing two -- has two problems.
12 One is that they're going to subject the people
13 in the neighborhood off-base to an unnecessarily
14 high risk of cancer and the second is that their
15 plans may be illegal. And I'd just like to
16 briefly explain this here. Then, what I hope to
17 do is get back and talk with Air Force folks and
18 continue finding out more about this and then
19 report on this back to you at the next meeting.

20 So, I just have a few quick shots to give
21 you at this point. The first one -- and all --
22 all these pages that you have there and that you
23 see here are taken from that feasibility study.
24 The first question is this issue of domestic use
25 of shallow groundwater. You know, we hear

1 different things here, that no groundwater is
2 used for domestic purposes or, yeah, maybe it
3 is. Well, my personal opinion is that we really
4 ought to assume that someday someone's going to
5 use that groundwater for domestic purposes. I
6 believe TNRCC considers the shallow aquifer to
7 be a potential groundwater, whether or not
8 anyone is using it. But this Air Force document
9 here indicates that some people are using it at
10 least to irrigate vegetables. It's used,
11 according to to the Air Force, at least to
12 irrigate vegetable gardens.

13 Now, I'd like to take a quick look at the
14 risk assessment that the Air Force has performed
15 for irrigating. And what the risk assessment
16 is -- it's kind of a complicated thing, but it
17 boils down to something pretty simple. If
18 people drink this water or if they eat
19 vegetables that have been irrigated with it or
20 drink milk or -- and that sort of thing, what's
21 the chance that they'll either get sick or get
22 cancer? That's what it boils down to.

23 This next page shows you concentrations in
24 groundwater that were used in this risk
25 assessment. And here we have different types of

1 chlorinated solvents -- and these are the
2 assumed concentrations -- and one of them we'll
3 focus here is vinyl chloride with an assumed
4 concentration of .01 milligrams per liter in the
5 groundwater.

6 Then, if you look at the actual calculation
7 of risk, you'll see that vinyl chloride by
8 itself results in a risk of cancer of almost
9 four out of a million. That means that if
10 people were to eat these vegetables they grew in
11 their garden from irrigating with this water,
12 the chances are four out of a million people
13 would get cancer from doing that.

14 Now, this is an issue that we'll probably
15 have to confront some day, but not today, and
16 that is, is this an acceptable cancer risk?
17 Because the EPA says an acceptable cancer risk
18 is somewhere between one in a million and one in
19 ten thousand. There's that range we can work
20 with. For many cases -- and I would like to
21 argue certainly for people watering their
22 vegetables -- this is not an acceptable cancer
23 risk.

24 Now we have a statement about legalities --
25 and this comes from TNRCC regulations -- and it

1 says that the groundwater cleanup shall not
2 exceed MCLs -- that is the drinking water
3 standard unless -- it's proven that it can't be
4 cleaned up -- and that sort of a
5 demonstration -- that's not the main --

6 I'd also like to point out that I think
7 that the Air Force is using an inappropriate
8 standard in this case. They're using the --
9 Standard No. 3, which is the least stringent
10 from a health point of view. When you're
11 talking about the neighborhoods and groundwater,
12 I think you should use the most stringent, not
13 the least stringent. But that's an issue we can
14 debate some other time.

15 Finally, I'd like to put up the results of
16 modeling from the preferred alternative. Now, I
17 have not delved into this modeling effort like I
18 did in the Zone 2 one, so you can just take it
19 for what it's worth here. But what it shows is
20 that for the Air Force's preferred alternative,
21 No. 5, after 30 years, concentrations of
22 chlorinated solvents in the neighborhood will
23 exceed the MCLs. Number one, that's, I believe,
24 illegal, according to what we saw a little
25 earlier. Number two, if you go ahead and plug

1 these numbers back into the risk assessment that
2 was done, they will result in an unacceptable
3 risk of cancer for people watering their
4 vegetables with this water.

5 This is really pretty surprising. After 30
6 years of pump and treat, the Air Force is
7 predicting, as I interpret this work, that MCLs
8 will not be met off-base. So, that's my
9 concern. I really hope to work with the
10 Air Force on it and other people and at the next
11 meeting, I'll come back and let you know what we
12 found out about this. But I think it's
13 something that the RAB ought to be aware of and
14 I think is the sort of issue we ought to deal
15 with and we ought to have a say -- if -- if this
16 is correct, what I'm saying, do we think that
17 the Air Force ought to do this? Should the
18 Air Force do a cleanup, which is -- one, results
19 in an acceptable risk of cancer -- and, two, may
20 be illegal? So, it's something to think about
21 for the future. Thanks.

22 MR. HAGELTHORN: The next item on
23 the agenda is the subcommittee report for the
24 charter. It's already been tabled that we are
25 not going to be voting on the charter tonight.

1 But, Mr. Quintanilla, if you have some more
2 information you would like to present from the
3 committee --

4 MR. QUINTANILLA: Yes. I'll be
5 very, very brief. It shouldn't take me over
6 three minutes. We met -- The committee met and
7 all the changes that were made by the
8 Restoration Advisory Board through the charter
9 at the last meeting were incorporated. They
10 were placed in a new charter. The charter was
11 then forwarded to the commander for final
12 approval, because there is an item in there of
13 conflict of interest where he has the say-so --
14 or the last say-so.

15 After all of this was done, it went through
16 the coordination process to the judge advocate,
17 to environmental management, Mr. Bailey, through
18 the executive director to the administrative
19 assistant and on up the line. But before it got
20 to the general, the judge advocate decided that
21 the general should not be the authority to
22 listen to the appeal and it should be somebody
23 else. Also, the judge advocate decided that it
24 should be in writing -- whoever listened to it.
25 So, consequently, Ms. Williams has come up with

1 a revision to this -- to the charter and it is
2 here before you. I would like for you-all to
3 accept this particular revision as presented
4 here today so that we can vote on the total
5 charter next month and we will have a charter to
6 operate by.

7 Again, the items are right here. I also
8 would like to yield to Mr. Bailey and
9 Ms. Williams to explain this further.

10 MR. BAILEY: Well, I'd like to
11 make a motion, based upon what you recommended,
12 that we go ahead and vote on this and then go
13 through the charter the next time.

14 MR. HAGELTHORN: Do we have a
15 second motion?

16 MR. RICE: I'll make a second to
17 that.

18 MR. HAGELTHORN: Discussion? All
19 in favor of accepting the changes to the charter
20 and reviewing the charter for vote next meeting,
21 raise your hands.

22 (Vote by the RAB members.)

23 MR. HAGELTHORN: Let the record
24 show it's a unanimous decision. Accepted.

25 Next item on the agenda is a discussion for

1 the Agency for Toxic Substances and Disease
2 Registry. There was an interest by the Board at
3 the last meeting to see what the possibilities
4 of bringing individuals from -- from, ATSDR out
5 to talk to the community, talk to the Board.
6 The Director of Environmental Management has
7 addressed those concerns. Mr. Bailey, would you
8 like to address those concerns?

9 MR. BAILEY: Well, I think,
10 maybe, first, it's -- I think it would probably
11 be fair to have Mr. Quintanilla --

12 MR. QUINTANILLA: I yield. Go
13 ahead.

14 MR. BAILEY: If I could just give
15 everybody some background -- for those people
16 who were not here. The information through the
17 cleanup program at Kelly Air Force Base has had
18 numerous people for which we think were
19 qualified to review that data, both with
20 in-house Air Force, some other multiple groups
21 that the Air Force hired, not necessarily Kelly
22 Air Force contractors, but others, and then also
23 at the regulating community level. What we have
24 done recently is we have not gone to a third or
25 fourth party. We think we're going to about a

1 sixth or a seventh party.

2 But there is a need that we feel for the
3 community to have people that they can directly
4 talk to who are people that are skilled in these
5 areas. So, what we recently did was we -- not
6 recently -- we came to an agreement, but we've
7 been working on this for about six months now.
8 We have sat down and talked to the people from
9 Armstrong Labs at Brooks Air Force Base.
10 They've got some people who are toxicologists
11 and physical scientists that deal in the issues
12 that Mr. Rice was talking about relative to:
13 What is a cancer risk? What's acceptable? How
14 do you see these things? These are people that
15 deal with military installations throughout the
16 United States. They're people that deal with
17 the communities throughout the United States.

18 So, we felt that the timing was right for
19 these people to come in here and to share. So,
20 what I've asked them to do -- at the next RAB
21 meeting -- I've asked them to be available --
22 which we will have somebody here -- and, then,
23 also we would like to have them available to
24 address other concerns that people have. So,
25 we're going to be bringing -- not just one

1 person -- but multiple people in here. So,
2 when Mr. Rice has a question -- or anybody else
3 for that matter -- relative to: What does this
4 cancer figure really mean? Because I submit to
5 you that it's not just as simple as watering
6 fruit or vegetables and then eating -- and four
7 people is an acceptable level. That's not the
8 way that you interpret these kinds of things and
9 that's what we all need to learn and be able to
10 take back to the community and to tell the
11 community so they understand what this means.

12 The other issue that we've done is,
13 Kelly Air Force Base recently was very fortunate
14 to acquire a physician who just graduated from
15 the Harvard School of Occupational and
16 Environmental Medicine and we're going to be
17 bringing that person aboard to bring a
18 physician's perspective. So, we will have a
19 physician, along with these other people, that
20 will be taking a look at all the information
21 that we've collected. We're going to be asking
22 them to take a look at every bit of it from the
23 get-go -- whatever get-go means -- 1986-'87 time
24 period -- '89 -- whenever the data was
25 collected -- and make sense -- and tell us that

1 we believe -- well, we aren't going to tell them
2 anything. We're not going to predispose them.
3 We're going to give them the data and they can
4 make a decision based upon data gaps, data
5 voids, is there a different direction that we
6 need to take, is there some other bit of
7 information that they feel is important and the
8 technique to take it out to the community.

9 We know that, for whatever reasons, you
10 know, we have a community that's concerned. We
11 need to make sure that they know -- writing them
12 letters has not been the type of -- that has --
13 has not received the type of reaction that
14 myself -- that I would hope to get, that is that
15 they would be showing up at these meetings and
16 stuff and going out and talking to some of the
17 people. So, we're going to do more than that.
18 And, so, getting these different people in
19 here -- these are people that are highly skilled
20 in these areas of toxicology, of the physical
21 sciences, dealing with environmental risk
22 assessments and public health assessments, what
23 those actually mean. So, that's something that
24 we're going to be bringing aboard so that if
25 there are RAB members here that have questions

1 when we start to go out into the community in
2 the next few weeks and hand out these flyers
3 that I've been talking about -- we're now going
4 to be there -- we'll be, probably, taking one or
5 two or these people along with us as part of the
6 team so that if people have questions that they
7 can hear from someone other than somebody from
8 Kelly.

9 There seems to be this apparent --
10 whatever it is out there today -- that, "Wait a
11 second. Kelly is telling us this, but maybe
12 it's not necessarily true." Well, I can assure
13 you that everything we've done is open door,
14 above board and it's there. But we're going to
15 bring these other people in who have a different
16 perspective, possibly, but people who deal with
17 these kinds of issues on a day-to-day basis.

18 Again, these are people that -- a
19 physician -- and, also, at the same time, people
20 who are doing this work for the Air Force and
21 for the Department of Defense throughout the
22 country. So, we think that they'll be able to
23 add, possibly, more credibility for what some
24 people feel that they actually need. So, that
25 will be coming up.

1 MR. QUINTANILLA: My turn. At
2 the open meeting here in this building on July
3 the 27th, I believe, the people came and asked
4 that we do something because of the
5 environmental problems on the north end of the
6 base, that people were getting sick, they were
7 coughing, they had asthma and they had different
8 types of problems up there. The letter was --
9 They came again at an informal meeting in
10 Building 305 about two months ago and brought
11 out the same thing. We were supposed to discuss
12 this at the last meeting but we ran out of
13 time.

14 I see nothing wrong with what Mr. Bailey is
15 doing in bringing in these people from
16 Brooks Air Force Base and from Kelly Air Force
17 Base. I think those people should augment the
18 people from ASTDR (sic) -- rewrite the letter,
19 ask them to come in, they augment the people,
20 they go out along -- at the -- services that are
21 being made at the north end of Kelly Air Force
22 Base.

23 Ms. Johnson is here and she can give you
24 some testimony as to what is going on wrong, as
25 to what type of illnesses that are happening up

1 there and that sort of thing. And that's the
2 reason I am asking that the Board write the
3 letter to ASTDR (sic). I have conferred with
4 Congressman Tejada. He said, "You write the
5 letter and I will follow up on it to assure you
6 that we get ASTDR (sic) in here."

7 Now, if Kelly has an objection to writing
8 the letter -- you know, from their point of view
9 and don't want to put it on their letterhead, we
10 don't need a letterhead, as long as the Board,
11 you know, agrees to this type of thing.

12 MR. BAILEY: Well, let me say,
13 first of all, we're not objecting to that at
14 all. We never have objected to that. So, let
15 me make sure that that's clear.

16 Secondly, it would be important, I would
17 think, for people to get together to write the
18 letter. We'll be glad to help people write that
19 letter. The people coming from the Air Force
20 side -- from Brooks Air Force Base -- are the
21 people who work with ATSDR all the time.

22 MR. QUINTANILLA: That's what we
23 would like.

24 MR. HAGELTHORN: Do we have any
25 discussion? Do we have a motion?

1 MR. QUINTANILLA: I so move.

2 MR. HAGELTHORN: "I so move"

3 what?

4 MR. QUINTANILLA: I so move that
5 we write to ASTDR and ask ASTDR to come in.

6 That has been on the agenda for the last two
7 meetings.

8 MR. HAGELTHORN: Do you have any
9 input to who should write this letter?

10 MR. QUINTANILLA: I will write
11 the letter with the help of the staff.

12 MR. HAGELTHORN: So --

13 MR. QUINTANILLA: I will get
14 Mr. Estrada and the Environmental Management
15 here -- using their words about complementing
16 the ASTDR (sic) team that will make survey --
17 all of that sort of thing -- put it in the
18 letter. Once the letter is gone, I will take
19 that letter personally to Congressman Tejeda and
20 ask for his assistance in this matter.

21 MR. HAGELTHORN: Do we have any
22 discussion? What's the opinion of the Board and
23 what do they feel should be done? Do you have
24 any opposing opinions?

25 MR. BEYER: I think it would be a

1 good idea to have a third party like that --
2 ATSDR -- and do this thing -- you know, feel,
3 more, you know, at ease about what's going on
4 and be educated as to what's going on.

5 MR. MOORE: I agree, also.

6 Because the more research at this point -- not
7 only for the community, but for the government
8 itself -- if we can research, get the background
9 information. If we are causing illness, we
10 should do something immediately to stop it. If
11 what we're doing -- or what has occurred in the
12 past is not directly causing these illnesses,
13 then it also helps the government to alleviate
14 them from further lawsuits in the future because
15 we have the documentation proving that, no, this
16 didn't cause it, something else did. But either
17 way, then the community and the Air Force both
18 have the answers and we know whether to go left
19 or right.

20 MR. HAGELTHORN: There was a
21 motion by Mr. Quintanilla to write this letter.
22 Is there any other volunteers that would like to
23 work with Mr. Quintanilla from the Board to help
24 draft the letter to present it to the ATSDR?

25 MR. HAGELTHORN: Mr. Moore.

1 Okay. There was a motion by Mr. Quintanilla to
2 write a letter requesting assistance from ATSDR
3 upon the health issues related to Kelly Air
4 Force Base. Mr. Moore has graciously accepted
5 to work with Mr. Quintanilla developing that
6 letter. Mr. Bailey has offered the services of
7 Kelly to help do the wordsmith and help make
8 sure that the proper key words are noted in the
9 letter to ATSDR. Do we have a second to
10 Mr. Quintanilla's motion?

11 MR. GILL: I'll second it.

12 MR. HAGELTHORN: Okay. All in
13 favor of the RAB supporting a letter to ATSDR,
14 please raise your hand.

15 (Vote by the RAB members.)

16 MR. HAGELTHORN: All opposed?

17 MR. QUINTANILLA: Okay. As a
18 matter of information, I will meet with
19 Mr. Estrada and we'll set up a meeting and we'll
20 have the letter ready for you-all's signature
21 sometime by the end of next week.

22 MR. HAGELTHORN: Okay. Just give
23 me a call --

24 MR. QUINTANILLA: For you-all's
25 signature --

1 MR. HAGELTHORN: Give me a call.

2 MR. QUINTANILLA: -- and going to
3 ASTDR (sic) -- and I will be in touch with you,
4 Mr. Moore.

5 MR. HAGELTHORN: Mr. Quintanilla,
6 I appreciate your input. I know you're on your
7 way out to another meeting. Thank you very
8 much.

9 MR. QUINTANILLA: Thank you very
10 much.

11 MR. GILL: I had one question on
12 that. Does that include all the Board
13 members -- sign on this? Okay. I just wanted
14 to clarify that.

15 MR. HAGELTHORN: Okay. The next
16 thing we have on the agenda is a briefing from
17 the Director of Environmental Management on
18 Zones 1, 2 and 3. Mr. Dan Medina and his staff
19 will make those presentations.

20 Let's go ahead and take a five-minute
21 break. It seems the consensus is to take a
22 break.

23 (Short break taken.)

24 MR. MEDINA: I'd like to make one
25 comment, if I could. We had a couple members

1 interested in moving some of the equipment, but
2 if you're more than willing to move to a
3 different location where you can see a little
4 bit better, please feel free -- if you want to
5 move from the table or something.

6 Good evening. My name is Daniel Medina.
7 I'm with the Installation Restoration Program
8 here at Kelly Air Force Base. I'm the
9 Restoration Team Leader. This evening we'll be
10 talking to you-all a little bit about three
11 zones in particular, Zones 1, 2 and 3, the soils
12 proposed plan. This presentation will talk --
13 just be a highlight of what it is that we're
14 proposing on the soils -- remediation out at --
15 in these three zones.

16 To give you a quick highlight of what it is
17 that we're doing out here at Kelly Air Force
18 Base and for references during the presentation
19 this evening, we'll be talking about Zones 1,
20 Zones 2 and Zone 3. The strategy that we have
21 here at Kelly Air Force Base in dealing with the
22 Installation Restoration Programs is remediation
23 of source areas taking priority. It's important
24 for us to address those sites -- or those areas
25 that are the sources of both soil and

1 groundwater contamination.

2 The others -- to attain compliance with
3 what we call ARARs or Applicable, Relative (sic)
4 and Appropriate Requirements. These include the
5 three standards that TNRCC has in the
6 State of Texas. Those are standard No. 1, which
7 is closure or remediation to background.
8 Standard 2, closure or remediation to
9 health-based standards and criteria or
10 Standard 3, which is closure or remediation with
11 controls.

12 MR. RICE: I don't know if you
13 want to address this kind of question here, Dan,
14 but on that Standard No. 3 --

15 MR. MEDINA: Yes.

16 MR. RICE: -- you're applying
17 that to off-base areas as well. I have two
18 questions: Do you intend to stick with that on
19 off-base areas? And given the fact that Kelly's
20 going to close down and a lot of civilian
21 activity is going to be occurring, would you
22 reconsider going to a more stringent standard
23 for on-base areas as well?

24 MR. MEDINA: I think we need to
25 take a look at that a little bit more for the --

1 for the time being here. What we'd like to do
2 is just go ahead and present the soil remedial
3 actions -- what we want to do -- and then as
4 far as the standards are concerned, those --
5 we'll be working with TNRCC.

6 MR. RICE: Could we have a
7 discussion of that at our next meeting? I don't
8 know. Am I the only person that's interested in
9 these kind of standards, to what level will
10 cleanup be done? I'd like to see a short
11 presentation done on this at our next meeting.
12 I think it's important. How -- How much
13 contamination do we leave behind is the
14 question. And I think it's a question that we
15 need to at least kick around a little bit in
16 this group here.

17 MR. HAGELTHORN: I think that's
18 something that needs -- Excuse me, Dan. I think
19 that's something that -- probably should address
20 that, but I'd like to defer that to new
21 business. Just for the interest of time, what I
22 would like to also ask is that -- let's allow
23 the presenters to make their presentations --
24 hold your questions to the end, if you would.

25 MR. MEDINA: I would like to make

1 one point, though, that with the beginning of
2 these alternatives we start out with Standard 3,
3 which is with controls. That means you go out
4 and do some sort of engineering control, like
5 you install a pump and treat system or you
6 remove an underground storage tank. That's
7 actually a removal action. Those are all worked
8 into the remediation of a site.

9 Standard 3 is what we would begin with. At
10 some point in time -- We wouldn't look to
11 attain -- Standard No. 2, when we go to close a
12 site up. So, we'll go -- working with
13 Standard 3, for the time, installing those
14 controls, trying to minimize the risk, minimize
15 the amount of concentrations we have in the
16 groundwater soils and achieve -- or work toward
17 Standard No. 3.

18 MR. MURRAH: What did you say in
19 reference to how TNRCC was going to be tied in
20 with it.

21 MR. MEDINA: They are the
22 regulatory leads -- regulatory agency that we
23 deal with. So, the way they're tied into this
24 is the approval of the cleanup standards and the
25 alternatives that we decide on. We propose

1 those alternatives, they're forwarded to the
2 TNRCC and then they approve or disapprove or
3 modify those standards or those alternatives.

4 MR. MURRAH: The reason I was
5 asking is because I was out there today on the
6 soil -- not even in this area -- but I was told
7 that -- that if -- if they -- if you offer the
8 soil to them -- or a site -- and it didn't
9 come below a certain standard, a certain amount
10 of contamination, well, then, in order to keep
11 it off of the deed, it has to be completely
12 removed to meet their standards. There wasn't
13 any exceptions. Is that the kind of a strict
14 guideline you-all are going to be using here or
15 is it more flexible?

16 MR. MEDINA: I think something
17 like that -- Mr. Beyer could probably talk to
18 you a little bit more about it on how he views
19 it.

20 MR. BEYER: Do you want to talk
21 some more about it later or now?

22 MR. MEDINA: Let's talk about it
23 a little bit later. We'd like to go ahead
24 and -- for the purposes here tonight.

25 The other is that part of our strategy is

1 to attain the nine CERCLA criteria. Those are
2 the -- They're threshold, balancing and
3 modifying criteria. Those are the criteria that
4 we compare our sites to, to decide whether or
5 not they warrant some sort of action. That's
6 the law that we work with -- or work under. The
7 state regulations follow under that law that we
8 work with as far as Kelly Air Force Base applies
9 the risk reduction rules.

10 Our -- Continuation of our strategy, we're
11 looking forward to combining what we're doing in
12 the soil remediation or the soil proposed plans
13 with the groundwater remedial actions to reduce
14 or eliminate the exposure and the risk. We want
15 to work both of those hand in hand. The
16 groundwater proposed plans that we presented on
17 July 27th, 1995, talked about groundwater. That
18 also includes those soils that are found within
19 the groundwater -- what we're going to be
20 discussing a little bit more about tonight is
21 those that are in the drier portions of the
22 soils -- what we call the unsaturated soils.

23 We'll also talk a little bit about operable
24 units. That's how we optimize or how we go
25 about attacking some of these sites and saying,

1 "We're going to clean up a certain area that is
2 above remediation goals -- or preliminary
3 remediation goals. The way we do this is we
4 provide analysis of available alternatives and
5 select treatment technologies consistent with
6 site conditions. That's the feasibility study.
7 It gives you an idea -- It takes the information
8 that you learned during all your studies and
9 starts to develop a technology that you're going
10 to use to clean up.

11 We also look at addressing areas that are
12 above remedial goals -- preliminary remedial
13 goals -- with common technology and address
14 areas below preliminary remediation goals for no
15 further action. And, then, as far as the soil
16 feasibilities are concerned, we are currently
17 still -- we are talking to the regulators and
18 awaiting regulatory approval.

19 The selected alternatives that you'll find
20 in your -- either the proposed plans or
21 feasibility studies -- discusses administrative
22 controls, provides containment at the Base
23 boundary, serves as a permanent treatment.
24 Where we go from here is we go into the final
25 remedial action for soils. We actually start to

1 do those final actions that will eventually lead
2 to closure of sites.

3 Source area remediation, getting rid of
4 those hot spots -- those, quote, unquote, "hot
5 spots" that actually are the sources of some of
6 this contamination, focusing on highly
7 contaminated areas and attain the goals that we,
8 working with the TNRCC, agree upon.

9 The conceptual design actually started with
10 a document called the Technical Memorandum. The
11 Technical Memoranda took the concentrations that
12 we found in the investigations and started
13 developing a process of which way -- how we're
14 going to go about -- to remove the contamination
15 that was found, then we developed what we call
16 Representative Process Options for Soils. We
17 take what we know about the soils, we take the
18 chemistry of the chemicals that are out there,
19 we take the chemistry of the soils, we look at
20 all these different things that contribute to
21 either contamination or removing that
22 contamination out of the soil, we take all that
23 into effect on the soils and then we start
24 developing our actions.

25 And the four actions -- or the four ranges

1 that we start to look at are the -- No Action,
2 which is doing absolutely nothing. That's a
3 requirement by CERCLA that we look at no
4 action. Containment with Limited Action,
5 treatment addressing the principal threat and
6 then treatment addressing long-term management.
7 We start assembling these alternatives and
8 combine them with interim actions. Interim
9 actions can be anything like an underground
10 storage tank removal. It can be putting in a
11 pump and treat system to start remediating the
12 groundwater. And, again, our goal is to achieve
13 the requirements set forth by law and then
14 ultimately protecting human health and the
15 environment. So, again, we start out with
16 Standard 3, moving towards Standard 2 when the
17 site is closed, then we start going through the
18 preliminary screening of these alternatives and
19 we screen alternatives based on effectiveness
20 implementability and cost.

21 MR. MURRAH: One thing there, are
22 these soils -- are they -- be brought to the
23 point where they can -- will pavement be put on
24 them or are they -- get under concrete or --

25 MR. MEDINA: In some areas -- For

1 example, in Zone 3, a lot of that area has
2 already been concreted over, because Zone 3 is
3 basically the industrial area where the C-5s and
4 the jet engines are overhauled. In other
5 areas -- like in Zones 1 and 2 -- it's
6 actually -- the contamination that we're
7 concerned with is mostly below areas that have
8 been filled in.

9 A lot of these sites have been covered
10 over, over the years, as time has gone on,
11 because someone has wanted to use that property
12 for something else, covered up some of the
13 landfills or has placed a soil on top of it.
14 And, in that respect, it's very important to
15 keep in mind that in areas where it's on the
16 surface where it may prevent exposure, we want
17 to minimize that kind of exposure. There, we
18 would go in with some sort interim action or
19 final action where we actually dig it up or we
20 cap it or we keep -- something to reduce that
21 exposure.

22 MR. MURRAH: Well, when you say
23 exposure --

24 MR. MEDINA: That means actually
25 coming in contact with it, right.

1 MR. MURRAH: Like pavement or
2 concrete -- or what?

3 MR. MEDINA: Actually, coming in
4 contact -- in this next slide we talk about
5 ingestion, actual -- we look at both types of
6 exposures, human and environment. Does it come
7 in contact with humans? And, if so, what kinds
8 of contact would it come in with? Ingestion or
9 inhalation or dermal contact? So, we look at
10 it -- Does it -- Can it come in contact with
11 skin? Can it come in contact with breathing?
12 Can you ingest it? Would it present a risk?
13 Those are the sorts of things we take a look
14 at. And as far as the environment is concerned,
15 we look at, also, whether or not it's
16 contributing to the groundwater contamination.
17 In some instances, you may have a source that
18 will continue to be a source to groundwater
19 contamination, but that source is in the soil.
20 We want to try and eliminate that, get rid of
21 the soil or reduce that soil from getting into
22 the groundwater.

23 We also look at -- and it is both the same
24 for on-base and off-base, though, the only
25 difference between the exposure pathways that we

1 look at is that we take into account that it is
2 privately-owned property. The way the TNRCC has
3 viewed the way we conduct our cleanups is
4 twofold. One is that we look at it based on, is
5 it going to continue or will it be used for
6 industrial sites? There's a set of standards
7 there. If not, if it's going to have a
8 residential -- a potential for residential
9 exposure, then a residential scenario or
10 residential standards are applied. So, that
11 way, you actually have a lower number for a
12 lower standard if it's a residential. So, if
13 I'm supposed to clean up to a certain level,
14 that level may even be lower if I'm doing it in
15 a residential area, just because people can come
16 in contact with it -- or it is more protective
17 because you have less control over that land.
18 We have to do something to address that.

19 In determining operable units -- I
20 mentioned that before -- where we're actually
21 going out and attacking those sites that are
22 actually the source of contamination in soil or
23 the groundwater. We look at on-base and
24 off-base floodplain areas. We take those into
25 account -- in particular, the floodplain,

1 because it is a very big concern because of the
2 flooding and the potential for it eroding a cap
3 or -- or -- or taking out a pump and treat
4 system or wells or whatever.

5 We also look at the areas that are above
6 preliminary remediation goals. Again, those are
7 sites that are -- require some sort of cleanup.
8 Then, we also take a look at the technology.
9 Can it be applied to this area? And, then, what
10 type of technology can we apply? Can it only be
11 remediated by pump and treat because there's a
12 lot of housing or a lot of obstructions on the
13 surface that we couldn't go and just dig it up?
14 Those are the sorts of things that we take into
15 account, as well as -- you know, do we want to
16 just remove the source at one time?

17 This is just a highlight of some of the
18 technologies that you'll find either in the
19 proposed plans or the feasibility studies. They
20 include, again, the "no action" all the way
21 through the administrative controls, monitoring,
22 capping, slurry walls and disposal of material.
23 And, then, also, some of the others include soil
24 venting and low-temperature thermal stripping.

25 Some of these are done with the existing

1 soil conditions -- and that goes back to
2 technical implementation. Can we do this in an
3 area where we -- we can access it, too, because
4 there's building in that area? Then, we have to
5 look at technologies that will only work --
6 what's called in situ. In other words, we have
7 to leave the soil conditions as it is and try to
8 remediate that source or that contamination or
9 can we use what's called
10 ex situ -- or it means above -- and remediate on
11 the ground or remediate in a larger area.

12 Again, some other technologies I'd just
13 like to highlight very briefly for you here --
14 capping -- in capping -- you'll hear this a
15 lot. That's where you actually put a cover --
16 some sort of cover -- and you're using soil,
17 concrete and vegetation to reduce the likelihood
18 of exposure, reducing -- and also reducing
19 infiltration of water.

20 As I mentioned, groundwater can be the
21 mechanism in which contamination moves away from
22 your site. It may not be the only one. There
23 may be air as well. It's other things that we
24 take a look at. But, in our case, we looked at
25 the groundwater being the greatest mechanism to

1 move contamination out of the soil and away from
2 the site. So, we take a look at reducing the
3 amount of water that may actually get down and
4 wash some of the -- or leach some of that soil
5 contamination into the groundwater.

6 We've also looked at -- We've also had an
7 aggressive program to remove underground storage
8 tanks that are no longer in operation. A lot of
9 these are the sources for contamination. We've
10 removed a lot of them. Tanks that have not been
11 removed have been -- that are still in use --
12 that are still required to be used -- those
13 tanks have been either vaulted or have had a
14 secondary -- or a leak detection system put in
15 to monitor and make sure that there's no leakage
16 occurring at those tanks.

17 We've also upgraded the industrial
18 collection system. Mr. Catchings will talk a
19 little bit more about that in relation to
20 Zone 3, because that's the zone where most of
21 the industrial waste collection line is located
22 because of the shops and because of the
23 maintenance function that's located there. The
24 industrial waste collection system has been
25 upgraded. They've essentially put in a

1 double-wall pipe so -- in case there's a leak,
2 we can both monitor that leak and contain that
3 leak. It's a pipe within a pipe. It's actually
4 two pipes. One pipe -- the inner pipe --
5 carries the constituents that we're concerned
6 with that we don't want to get into the
7 environment and then the other pipe is around --
8 and that's what contains the sensors to make
9 sure that we don't have any kind of leakage.

10 And, then, on this last point here --
11 Hazard and Non-Hazardous Material Handling.
12 That has come about for two reasons. One, it's
13 come about because the pollution prevention
14 initiatives we've had out here at Kelly Air
15 Force Base have looked at -- "Look at all these
16 hazardous chemicals. Let's start reducing the
17 use of those chemicals and keeping them from
18 getting into the groundwater, into the soil."
19 So, we've done some -- we've taken a lot of
20 steps to go out and remove or replace a lot of
21 those chemicals from usage. And, also, too,
22 we've looked at taking the non-hazardous --
23 taking care of our hazardous and non-hazardous
24 material, which was previously put into these
25 landfills where evaporation is located out at

1 Kelly -- taking them and disposing of them
2 properly at permitted landfills -- and those
3 landfills are -- have regulatory -- or actually
4 have regulatory requirements that they have to
5 meet before they can operate.

6 The next presenter will be Mr. Roby Gregg
7 and he'll be presenting Zone 1 which is the golf
8 course area.

9 MR. GREGG: Good evening. My
10 name is Roby Gregg. I'm going to discuss the
11 Zone 1 proposed plans for soils with you
12 tonight. Zone 1 is located adjacent to Military
13 Drive. Zone 1 consists primarily of the Kelly
14 Base golf course and the headquarters for the
15 Air Intelligence Agency. It's bounded on this
16 southern border by Military Drive. As you can
17 see from the graph here, it is clearly -- by
18 Leon Creek.

19 I've got a better slide here that will show
20 the Zone 1. If you're familiar with Kelly Air
21 Force Base, this is the Air Intelligence Agency
22 up on the hill. Here is Leon Creek and then
23 over in this area would be the airport.

24 The historical uses of Zone 1 include
25 disposal of waste materials through landfills,

1 sludgebeds, an oil evaporation pit and and
2 oil-burning pit. Landfilling, trenching and
3 grading have disturbed the original soils of the
4 zone. In the late 1960s, the base golf course
5 was constructed over the landfill sites.

6 Our primary impact of soil in Zone 1 is due
7 to leaching of the landfill material. The
8 landfill materials in the trenches have
9 dissolved over a period of time into the shallow
10 groundwater aquifer. This has resulted in
11 chemical concentrations in the groundwater above
12 acceptable levels. There's a concern that this
13 impacted groundwater may have reached
14 Leon Creek. An interim system was installed in
15 1993 to intercept this groundwater and prevent
16 it from entering the Leon Creek.

17 Our preferred alternative for Operable Unit
18 1 consists of administrative controls, in situ
19 bioventing and vapor extraction and monitoring.
20 In situ bioventing consists of an air injection
21 system, which will be designed to circulate
22 oxygen in the contaminated zone soils. Blowers
23 will push air through an array of injection
24 points. The subsurface injection of air will
25 increase the oxygen levels in the zone,

1 stimulating activity of the natural occurring
2 microorganisms in the soils. These
3 microorganisms are capable of digesting the
4 hydrocarbons present and converting them into
5 simpler compounds such as carbon dioxide and
6 water. The rate of biodegradation is dependent
7 in large measure upon the levels of oxygen in
8 the soil. This is our reason for installing an
9 in situ bioventing system.

10 The preferred alternative for Operable Unit
11 2 consists of administrative controls,
12 installation of the slurry wall with leachate
13 collection, soil capping and monitoring.
14 Because of the contamination present in this
15 operable unit and its potential to affect the
16 near surface groundwater, two slurry walls with
17 a leachate collection system will be installed
18 to contain organic and inorganic contaminants.

19 Construction of the slurry walls involves
20 trenching into the Navarro clay and backfilling
21 the trench with a slurry of soil and cement.
22 The trench for the D-2 area -- this area along
23 Leon Creek -- will consist of a 2,500-foot-long
24 trench. The trench in the D-4 area -- along
25 this area here -- will consist of a trench of

1 approximately 1,500 feet. Soil will be
2 excavated, but this soil will be returned to the
3 trenches as backfill. Installation of the
4 slurry wall will prevent the groundwater from
5 reaching the Leon Creek area. Contaminated
6 leachate contained within the slurry walls will
7 be removed by the existing interim groundwater
8 system. A soil cap of approximately three feet
9 will be placed over the site to prevent direct
10 contact with the shallow soil contamination.

11 The shortest remedial time in this operable
12 unit is 30 years, based upon the treatment of
13 groundwater. And the total project cost for
14 this operable unit is approximately
15 12-and-a-half million dollars. Our preferred
16 alternative for Operable Unit 3 consists of
17 administrative controls, low-temperature thermal
18 stripping, backfill and monitoring. At this
19 site, approximately 4,000 cubic yards of
20 contaminated soil will be excavated and treated
21 with low-temperature thermal stripping. This
22 process involves heating the soil to
23 approximately 600 degrees Fahrenheit to remove
24 the contaminants. The shortest remedial time is
25 estimated to be eight months in this operable

1 unit and the overall cost is estimated to be
2 approximately \$5 million.

3 Preferred alternative for Operable Unit 4
4 consists of administrative controls, soil
5 capping and monitoring. The soil cap is a
6 barrier placed on top of the contaminated soil
7 to reduce the potential risk associated with
8 exposure to the contaminants from the surface.
9 Monitoring will consist of sampling and analysis
10 in order to determine the subsurface conditions
11 of the soil and groundwater. The shortest
12 remedial time for this area is 30 years and our
13 total project cost for this area is \$820,000.

14 Our last operable unit -- 5 -- the
15 preferred alternative is administrative controls
16 and monitoring. Basically, we're going to
17 monitor this area over a 30-year period of time
18 to determine the groundwater and soil
19 contaminants. The total project cost in this
20 area will be \$375,000.

21 This concludes my presentation for Zone 1.
22 Now Mr. Kenny Johnson will discuss Zone 2 with
23 you.

24 MR. JOHNSON: Good evening. I'm
25 Kenny Johnson, Zone 2 Project Engineer at Kelly

1 Air Force Base, and tonight I'll be presenting
2 the proposed alternatives for cleanup of the
3 soils in the Zone 2 area.

4 To give you an idea of where Zone 2 is
5 located -- Zone 2 is located in the
6 southern-most portion of the base. It's bounded
7 by Military Drive to the north, Union Pacific
8 Railroad yards to the east and the southern base
9 boundary, including Leon Creek, to the south.
10 Zone 2 is composed of 174 acres and 16 IRP
11 sites.

12 Over the years, the Zone 2 area has been
13 used for several different activities. Only the
14 jet engine testing and wastewater treatment are
15 the -- the tenants for Zone 2 at this time.
16 Fire control training as well as the other
17 listed activities are no longer being conducted
18 in the Zone 2 area nor at Kelly Air Force Base.

19 Through many different studies and a lot of
20 research, we've determined that impacted soil
21 does exist in the Zone 2 area -- and, in many
22 cases, the soil that's impacted was above the
23 regulatory limits. This raises concern that
24 before -- the potential of chemicals leaching
25 into the shallow aquifer as well as into

1 Leon Creek and, in some cases, moving off-base.

2 Keeping this in mind, five operable units
3 were determined for Zone 2. The first operable
4 unit was selected based on criteria that we had
5 metals that exceeded the regulatory limit. We
6 chose -- based on the many different
7 coordinating cycles and technologies
8 available -- administrative controls basically
9 to prevent anyone from entering the construction
10 area or the remediation area during the cleanup
11 process, which also included fencing. There's
12 monitoring that's going to be included, Type I
13 capping, which is basically a vegetative cap --
14 you put the soil back in the ground and you put
15 some grass seeds out, basically. Excavation --
16 We'll take whatever soils that we can't treat
17 naturally and send those to a licensed disposal
18 facility.

19 The shortest remedial time for Operable
20 Unit 1 is approximately one year at a total cost
21 of \$350,000. The Operable Unit 1 areas here are
22 the areas in blue -- and you can see those. The
23 S-9 area and the southern portion of Zone 2, the
24 E-1 area here.

25 Operable Unit 2 -- which included -- as far

1 as the criteria -- metals that were found in the
2 soils which had a potential to leach into the
3 shallow aquifer. Again, we have administrative
4 controls, monitoring, excavation and disposal to
5 a licensed facility. The shortest remedial time
6 is approximately one year with a project cost of
7 a little over \$200,000.

8 The Operable Unit 2 area, basically, is the
9 one area here -- the black dot -- which is
10 mercury. Like I said before, it has the
11 potential to leach into the shallow aquifer.

12 Operable Unit 3, inorganics that do not
13 pose a threat to leaching into the shallow
14 aquifer. Again, the same -- administrative
15 controls, monitoring, bulk excavation -- we're
16 also including low-temperature thermal stripping
17 as referred to by Mr. Gregg in Zone 1. And
18 we're also including in situ soil venting, which
19 is basically injecting air to promote the
20 bioremediation of those contaminants we won't be
21 able to get to because of the depth of the
22 soils. And backfill will be included to -- it
23 will take place once we ex situ LTTS -- those
24 soils -- we'll put those soils back into the
25 ground and basically put the vegetative cover at

1 that point.

2 The shortest remedial time for Operable
3 Unit 3 is five years at a project cost of \$3.5
4 million. Operable Unit 3 is basically the red
5 areas throughout Zone 2.

6 The other operable unit -- Operable
7 Unit 4 -- which also includes, again,
8 administrative controls, monitoring, the
9 vegetative cover, excavation, soil venting and
10 disposal. The shortest remedial time of five
11 years at a cost of \$500,000. The Operable Unit
12 4 areas are the areas in green -- the little
13 dots at different locations.

14 And, finally, Operable Unit 5 -- which
15 basically utilizes the same technologies that I
16 mentioned earlier. The shortest remedial time
17 of five years at a cost of \$1.7 million -- and
18 it includes both inorganics and organics as well
19 as other petroleum-based chemicals off-base.

20 This concludes my presentation at this
21 time. And I would like to present Ron Catchings
22 for the Zone 3 presentation.

23 MR. CATCHINGS: Good evening. My
24 name is Ronald Catchings. I'm engineer from
25 Kelly Air Force Base, Zone 3.

1 Zone 3 is the industrial heart of Kelly Air
2 Force Base. Many people here have worked
3 throughout the years at Kelly -- and, if not,
4 other people here -- if you know anything about
5 Kelly, it's where we do our industrial aircraft
6 work. Also, it includes the areas of UPR rail
7 yards and the Quintana Road neighborhood.

8 Out of this zone, we have two sites that
9 are included in this program tonight. Site S-4
10 is about right here. Site S-8 is about right
11 here. People that know Kelly, this is Building
12 365. You can see it from -- off of --
13 Quintana Road area. This is Building 366 right
14 here. This is the apron and the fueling forum
15 right here. This is Site S-8. This is -- Where
16 Kelly Air Force Base is, is Building 329. This
17 is the railroad -- Southern Pacific --
18 Union Pacific here.

19 Historical uses: The only thing I see
20 we're not doing right now is B-52s. We have an
21 industrial waste collection system. It has just
22 been upgraded to a new, modern, cost-effective
23 and state-of-the art system. The fueling
24 system, the underground storage tanks and
25 hydrants are meeting standards set by the

1 TNRCC. We still do the jet engine overhaul and
2 the aircraft work.

3 What we're concerned about in Zone 3 soils
4 is that this material that has gotten into the
5 soil above the groundwater does not leach
6 farther and go down into the groundwater and
7 then get off-base. That is our primary concern
8 in controlling these soils.

9 Operable Unit 1 -- Site S-4 -- is --
10 we're going to put administrative controls in --
11 this is only the area on Kelly Air Force Base
12 that is impacted at the present time --
13 monitoring. We're going to put a concrete
14 cap -- or a part of it -- we're going to be
15 putting a venting system in, either soil vapor
16 extraction or in situ bioventing or both. We
17 currently have an existing small-scale three
18 little well system put in by the Air Force
19 Center for Environmental Excellence to test in
20 situ bioventing here.

21 The total estimated cleanup time is 30
22 years and this is based on our groundwater plan
23 that we addressed on the 27th of July. And our
24 total cost is \$2.1 million.

25 The last site tonight -- the one we've all

1 been waiting for -- Site S-8 -- here. And,
2 again, we're concerned about preventing the
3 material that is above the groundwater from
4 getting into the groundwater -- and, again, this
5 only considers the property on Kelly Air Force
6 Base -- administrative controls, monitoring,
7 concrete capping and in situ bioventing or soil
8 vapor extraction. Also, one thing I forget to
9 mention is -- in the S-4 one -- when we cap
10 it, we have many utilities crossing in these
11 areas. All utilities will be rerouted around
12 that area so that we'll never have to disturb
13 that cap to get in there and repair some gas
14 line or a waterline that develops a leak. Also,
15 that keeps them from leaking and pushing the
16 stuff down, anyway.

17 And, again, the cleanup time of 30 years is
18 based on our groundwater cleanup requirements.
19 And the cost on this is also \$2.1 million.

20 MR. RICE: Ron, are there
21 contaminated soils off-base in Zone 3?

22 MR. CATCHINGS: Not that we know
23 of -- or not that Kelly is the primary cause
24 of. Okay?

25 MR. RICE: Is Kelly going to be

1 involved in cleaning them up?

2 MR. CATCHINGS: Only if we are
3 the cause of them. I believe that is the
4 correct phrase. If we didn't contribute to the
5 contamination, I don't -- we'd have to check
6 with legal. I don't think we could use
7 government money.

8 MR. RICE: Do you -- Is the
9 person that caused it -- is that -- are they
10 known? Do we know who actually --

11 MR. CATCHINGS: If there is any
12 soil contamination that is not
13 groundwater-related and was not caused by
14 Kelly -- We're talking about the shallow soil
15 contamination between the groundwater and the
16 surface.

17 MR. RICE: All I'm trying to find
18 out is -- you know, because you said a couple
19 times we're only talking about contaminated
20 soils on-base.

21 MR. CATCHINGS: Right.

22 MR. RICE: Are there contaminated
23 soils off-base?

24 MR. BAILEY: Yes.

25 MR. RICE: And, if so, do we know

1 who caused that contamination?

2 MR. BAILEY: Well, we know who
3 might own the property today, but that's not to
4 say who was the cause years ago -- who
5 contributed to it. And, yes, there are some
6 documents that we have that have highlighted
7 that and we've submitted some of them to the
8 TNRCC.

9 MR. RICE: Maybe I could ask
10 these questions later on.

11 MR. CATCHINGS: Well -- Yeah.
12 Mainly, what you're looking at, I think, is our
13 groundwater plume does go off-base. Our
14 groundwater plume is being addressed by the
15 groundwater scenario. We're talking about
16 soil -- that anything leaching through it will
17 add to that continued contamination. We're
18 trying to prevent that right now so that our
19 groundwater cleanup will clean up the material
20 instead of having sourcing continue to it.

21 MR. RICE: We can talk about
22 that --

23 MR. CATCHINGS: I'll be followed
24 by Mr. Dan Medina.

25 MR. BAILEY: If I could just make

1 a couple of statements --

2 MR. MEDINA: Thank you-all very
3 much for your attention.

4 MR. BAILEY: At any time after
5 this session tonight as you start to go through
6 this information -- there's a lot of
7 information -- I don't want you to hesitate to
8 give the people at Kelly Air Force Base a call
9 and we'll go through this information with you.

10 Some specific things that I'd like to point
11 out is some of the key items that we tried to
12 highlight tonight. First of all, there were
13 sources that contributed to the contamination on
14 Kelly Air Force Base, such as leaking industrial
15 wastewater collection system, such as leaking
16 storage tanks, such as other kinds of items that
17 we've highlighted here. Rest assured that what
18 we've attempted to do -- so when someone from
19 the community says, "Are you studying this thing
20 all the time," everybody on the RAB should be
21 able to say, "no," and cite specifics. Because
22 what we've done is totally replaced the
23 wastewater collection system. We've redone
24 almost vault -- or pardon me -- every
25 underground storage tank there is on base --

1 some of which we've put into vaults -- some of
2 which have leak detection systems.

3 We've redone the fuel hydrant system along
4 the east side of Kelly Air Force Base. That was
5 done almost three and a half to four years with
6 a new pipe-within-a-pipe system so that you can
7 detect it. In fact, there's a leak from the
8 inside pipe before it gets into the
9 environment. So, there seems to be some concern
10 about people saying, "What have you done?" We
11 would like to be able to show you. If, in fact,
12 it's not clear here, please come out and we'll
13 go through that.

14 Other items that we've attempted to point
15 out -- regarding cleanup time periods --
16 there's a major concern by people -- even by us
17 sometimes -- why does it take so long? Why are
18 you talking about 30 years? When some sites you
19 can clean up -- or you're saying a certain time
20 period of -- of maybe seven years. Why is it 30
21 years in others? We want to explain that in
22 more detail. I'm not saying that you don't
23 understand it now, but if you do need any more
24 information, we would very much like to sit down
25 with you and explain it -- what this really

1 means.

2 At the same time, we have talked about
3 cost. Why is it important to talk about cost?
4 It's important that every taxpayer -- not only
5 in this area, but all over -- fully understand
6 how much it costs to clean up in environmental
7 programs. It is very difficult to say that it
8 costs \$100,000 per acre or whatever. So, as we
9 start to go through this program, you're going
10 to begin to see more and more how we evaluate
11 how much it costs to clean up -- not only the
12 shallow groundwater, but the soil, also.

13 At the same time, what we provided
14 tonight -- getting back to the comment that was
15 made earlier -- is tied into giving the RAB more
16 time to review these documents. It's a very
17 valid concern. It's a point that George made
18 earlier. And what we're doing tonight is
19 providing this early, because we do not see the
20 state coming back and approving some other
21 document that we need, such that we're going to
22 be having a public meeting on this in the next
23 30 to 45 days. More than likely, the public
24 meeting will be coming down 60, 90, 120 days
25 down the road. What does that mean? It allows

1 us more time as a RAB, more time for the
2 citizens, to come out to the base and truly take
3 a look and to see what we're doing and to have
4 our input. By no means are these final. We can
5 go back and we can now take a look and we can
6 interject what our thoughts are. So, there are
7 some major points of what we're going to go
8 over. But we will be going back over this soils
9 information again -- maybe even doing it three
10 times -- maybe even four times. But if anybody
11 wishes, from the community or outside, to truly
12 find out what we're doing, please do not
13 hesitate to ask.

14 Two last points. One is on visits.
15 Members of the RAB, we're not getting people in
16 the community out to Kelly. That's the first
17 thing. When we had a spill a couple weeks
18 ago -- or pardon me -- last week -- and
19 there's a packet that's inside your packet that
20 talks about this particular spill. We even
21 knocked on some neighbors' doors and talked to
22 them, told them about what was going on. I
23 believe they were appreciative about what was
24 taking place, but for whatever reasons, coming
25 out there to the base is just not one of their

1 ideas and maybe have a nice Saturday or -- an
2 evening or whatever.

3 As RAB members, I would encourage all of us
4 one more time -- it just goes back to what
5 Mr. Quintanilla said -- to get the community to
6 where they understand what's happening. We've
7 got to continue to take this information to them
8 more and more. So, something that I told
9 you-all we were going to do -- in the next two
10 to three weeks -- okay -- we will be coming
11 back -- and I'm going to be asking everybody on
12 the Board that wants to participate to go out
13 into the community to start handing out some of
14 this information relative to the first
15 pamphlet -- or bit of information that we'll be
16 handing out talks about Quintana Road, the area
17 just right behind us.

18 There is misinformation going on out in the
19 community and it's up to us as RAB members to
20 make sure that we clarify that, to make sure
21 that the people understand as best they can what
22 we see. It doesn't mean that they're wrong. It
23 doesn't mean we're right. I'm not taking
24 sides. I'm just saying, based upon the feedback
25 that I've been getting from people in the

1 community -- I said, "Where have you been
2 getting your information?" And their response
3 is, "Well, you know how it is? People just talk
4 about this" -- and that's the brush fire that
5 suddenly goes up to this.

6 We have some very complex -- We have some
7 very technical issues and we're hoping to try
8 and find ways to take it so that we can all
9 understand it. So, I would encourage everybody
10 that if you've got ideas, better ways to explain
11 it to the community, we need to share those.

12 The very last item I have before I sit
13 down -- I'd like to make an announcement. There
14 is a member on our team who has decided to hang
15 up his spurs. Kenny Johnson, who spoke up
16 earlier, will be heading over to Randolph Air
17 Force Base in another day -- no -- in another
18 couple weeks. So, just to let everybody know,
19 he has been a tremendous partner with us, done
20 an outstanding job and I just wanted to let you
21 know before you left that he has been a very
22 solid person. The person taking his place is in
23 the audience also and his name is
24 Mr. Eupi Quinones. Can you stand up, Eupi?
25 He'll be taking his place. I'd encourage

1 you-all to get to know him, also. Thank you
2 very much.

3 MR. HAGELTHORN: Next item on the
4 agenda is new business. Mr. Rice, I think you
5 had a topic that you wanted to discuss.

6 MR. RICE: Yeah. Actually, I
7 also have some questions on the soil portion
8 also, so I'll just kind of go through them all,
9 if that's all right.

10 MR. HAGELTHORN: Okay.

11 MR. RICE: The issue I brought up
12 earlier is how clean is clean enough. You know,
13 and I think that's a decision that the RAB
14 certainly has to have some part in. I think
15 it's -- We would all learn a lot if the
16 Air Force would devote five or ten minutes of
17 the next meeting to explain to us how they
18 decide how clean is clean enough, for example,
19 and what's the appropriate cancer risk. Because
20 there's quite a wide range that they can choose
21 from. Why do they choose a one-in-a-million
22 risk as acceptable in one case and a
23 one-in-ten-thousand risk as acceptable in
24 another? I'd like to hear that. And I think
25 that the community ought to have input into that

1 as well, because we're going to be living here.
2 So, we're very -- I think we ought to be very
3 interested in these risks.

4 So, I wonder if the Air Force would agree
5 to take some time next meeting to explain those
6 issues.

7 MR. HAGELTHORN: Let me see if I
8 have this correct. Two of the questions you
9 want to have answered and agenda items for the
10 next meeting is: What levels do we clean to and
11 why -- or how are those levels determined?

12 MR. RICE: Yeah.

13 MR. HAGELTHORN: And the second
14 is: What is an appropriate cancer risk and how
15 is that risk determined?

16 MR. RICE: Yeah.

17 MR. HAGELTHORN: Those are two
18 items for the Air Force to address next
19 meeting. Does anybody else have an issue they
20 would like to bring up -- any concerns for this
21 meeting? Mr. Rice?

22 MR. RICE: Yeah. I still have a
23 few things. One -- On the soils -- I went
24 through the Zone 2 calculations for calculating
25 the concentration of contaminants that it's okay

1 to leave in the soils. And I question some of
2 those calculations -- some of the assumptions
3 and values that were used to perform those
4 calculations. So, what I'd like to do is meet
5 with Air Force and/or contractor personnel and
6 go through some of those calculations so they
7 can explain to me exactly how they were done --
8 and, then, if I have any disagreements with
9 that, I can raise those disagreements at that
10 time. Is that acceptable?

11 MR. BAILEY: Absolutely. Always
12 has been. We'll do it.

13 MR. RICE: All right. Did you
14 have something to say, Al?

15 MR. HAGELTHORN: Mr. Culbertson,
16 would you like to be involved in reviewing
17 those --

18 MR. RICE: In the what?

19 MR. HAGELTHORN: Would you like
20 to be involved with Mr. Rice in the review of
21 that information?

22 MR. CULBERTSON: Well, I'd be
23 glad to. One of the things I'm concerned about
24 is the qualifications of the people that do the
25 speaking. I'd like to know of an engineer, is

1 he a mechanical engineer, a nuclear engineer or
2 what kind of an engineer he is. I'd like to
3 know the qualifications of the people who speak.

4 MR. MEDINA: Well, I'm a
5 geologist by education.

6 MR. BAILEY: Why don't we provide
7 you that data -- I mean, can we just do that
8 right after the meeting? And we'll just give
9 you the names and everybody can tell you what
10 their backgrounds are and what their experience
11 is?

12 MR. CULBERTSON: That's fine.

13 MR. MURRAH: On this soils thing,
14 I'd like to be involved in that.

15 MR. RICE: Sure. Yeah. We'll
16 just make arrangements with that -- along with
17 that October 10th tentative date, so whoever is
18 interested can certainly participate in that.

19 And I have a couple of other issues I'd
20 also like to discuss and maybe have discussed in
21 front of the RAB as well. Let's see. One has
22 to do with subsidence. That's a question that
23 keeps coming up, and, as far as I know, has
24 never been addressed by the Air Force. And I
25 would like to -- Well, I've already spoken to

1 the Air Force about it. But, again, this is a
2 question that I wonder if the Air Force could
3 take five or ten minutes at our next meeting and
4 explain to us what I think their position is.
5 Why there's no problem with subsidence and on
6 what -- what is the data on which they base that
7 belief. Is that acceptable?

8 MR. BAILEY: Sure. I'd just like
9 to pose to the RAB members that -- not knowing
10 how many more questions you have -- but as we
11 start to go through this, the entire RAB
12 member -- or the entire RAB meeting next time
13 will be taken up by us. I just want to make
14 sure that we're laying that out, because these
15 issues are not five-minute issues. It's just
16 like Mr. Rice going through his and spending 45
17 minutes the last time. It may take us 45
18 minutes to go through some of these issues. So,
19 before we go through this -- I will say "yes,"
20 but then I want to make sure that I send it out
21 so everybody understands how long it's going to
22 take us to talk about these things. Because I
23 would imagine we'll probably have people that
24 have questions during the presentation, which
25 would even add longer time periods.

1 MR. RICE: We can decide this
2 later, but maybe we'd want to split it up
3 amongst several meetings.

4 MR. HAGELTHORN: One of the
5 things we discussed a while back was when we
6 have a major item like that, we'd like to have
7 authorities come in and discuss the subject
8 matter. I think we already decided on limiting
9 it to one new subject per meeting, if I remember
10 correctly. Does anybody have any input?
11 Anybody remember that -- when we talked about
12 bringing a new -- bringing somebody in, like we
13 brought TNRCC? You're only allowed one -- one
14 subject matter to come in at that time. Is that
15 acceptable or do you want to have more than one
16 or --

17 MR. BEYER: Maybe we should --
18 yeah -- get a list of subjects and prioritize
19 them based on --

20 MR. RICE: That's a good idea.
21 The other issue I'd like to explore is off-base
22 contamination of Zone 3. What's going on
23 there?

24 MR. MURRAH: Along that line --
25 You say off-base contamination. Now, how is

1 that contamination moving? Is it strictly by
2 water or is it other --

3 MR. RICE: Excuse me. I wasn't
4 specific. I was referring to soil
5 contamination. I think we have a good handle on
6 groundwater. But I'm --

7 MR. MURRAH: But -- I mean, that
8 the soil contamination, how did it occur?
9 Spillage or groundwater movement or what?

10 MR. RICE: I don't know.

11 MR. HAGELTHORN: I think that's
12 what he's asking.

13 MR. MURRAH: That's the question
14 that I'm asking.

15 MR. RICE: Yeah. Those are my --

16 MR. MURRAH: Could be air.

17 MR. RICE: Yeah. I think Gary's
18 suggestion was good, that we can get together,
19 prioritize these things and decide how we want
20 to handle them when we all get together.

21 MR. LENE: Make that be a
22 function of the October 10th meeting, to lay out
23 these concerns.

24 MR. RICE: I think that's a good
25 idea.

1 MR. LENE: That might be a good
2 time to do it.

3 MR. RICE: I agree. Oh, I can't
4 forget this: Zone 3 groundwater -- I hope the
5 Air Force will talk to me about this. I assume
6 the Air Force will now answer my phone calls
7 when I call. There was a three-week period
8 where they didn't answer any of my phone calls
9 and I hope that's over with. We'll find out.

10 MR. BAILEY: Okay. It's my
11 turn. Let me just say -- you know, I'm not
12 going to tit for tat. We're not that way.
13 We're going to act up front and I will candidly
14 say that I don't know what the reason was. I
15 can only say that we have people that respond.
16 People offering up to say, "If you have any
17 comments to get back in touch." Mr. Rice never
18 contacted me. And that's all I've got to say.

19 MR. RICE: That was the last tat.

20 MR. HAGELTHORN: On those issues,
21 it's my understanding that we're going to table
22 these until your October 10th meeting where
23 we'll prioritize them and then we'll set the
24 agenda items? Is that my understanding on
25 that?

1 MR. RICE: Yeah. Mr. Bailey just
2 suggested that we come up with one now, but I
3 think it's better if we kind of kick it around
4 and we have a little bit of time.

5 MR. MOORE: The meeting we have
6 on the 10th, we could then give the priorities.

7 MR. RICE: Yeah.

8 MR. BAILEY: That's exactly what
9 he's --

10 MR. HAGELTHORN: Exactly. Is
11 that satisfactory with the Air Force?

12 MR. BAILEY: Sure.

13 MR. HAGELTHORN: So, what we'll
14 do is, we'll take a look at these four concerns
15 Mr. Rice has at the October 10th meeting. That
16 group will prioritize the issues and provide
17 that list to Mr. Bailey as soon as possible
18 after that meeting. We'll get that first topic
19 on the agenda for the next RAB meeting.

20 Next item -- Does anybody else have any new
21 business they'd like to discuss? Okay. Next
22 item on the agenda is setting of location for
23 the next RAB meeting. It's been proposed that
24 we move out of Price Elementary. One of the
25 sites that was suggested is back to the -- was

1 it the VFW hall? Was that what it was? Knights
2 of Columbus hall. We could move over there.

3 Something that I would like to throw out to
4 the membership is that we've been having an
5 awful lot of them -- in fact, all of our
6 meetings -- located right around Kelly. There's
7 a far greater area that's impacted than just the
8 surrounding Kelly region. What I'd like to
9 propose is that we approach the different city
10 council members and ask them if they would like
11 to support us and have a meeting in each of
12 their districts to try to move it around the
13 San Antonio area, because there's a lot of other
14 people concerned about Kelly than just the
15 people right directly affected by Kelly. Is
16 there any input on that?

17 MR. MOORE: Just give me a map on
18 how to get there.

19 MR. HAGELTHORN: What I would
20 like to do, then, for next month, if it's
21 acceptable, is go ahead and go to the Knights of
22 Columbus hall -- and we'll get the map out to
23 you where that's going to be -- and then I'll
24 work with Mr. Bailey and the city council and
25 find out which city council members would like

1 to support us and then we'll start moving the
2 meetings out into their districts. Okay?

3 Tentative dates? Do we have tentative
4 dates from the Air Force of acceptability --
5 We're looking at -- the past meeting -- six to
6 eight weeks from now -- I don't have a
7 calendar -- which makes it around November 13th,
8 I believe.

9 MR. MEDINA: November 13th.

10 MR. HAGELTHORN: November 13th
11 would be the appropriate date. Is there a
12 problem with November 13th at 6:00 p.m.? Let's
13 make it November 13th at 6:00 p.m., at the
14 Knights of Columbus hall. The map and the
15 meeting and agenda and the minutes will be sent
16 to you. Between now and that time, I'll work
17 with Mr. Bailey working with city council to see
18 if we can start moving the meetings out in the
19 different districts and try to get some more
20 involvement in the RAB that way.

21 Let me summarize briefly -- we'll get out
22 of here -- what we accomplished tonight. We did
23 approve the minutes from the last meeting with
24 some suggested changes by Mr. Quintanilla. We
25 accepted two new members into the RAB --

1 Mr. Murrah and Mr. Culbertson -- and we voted
2 two members off the RAB -- which the Air Force
3 will send letters to those folks.

4 Mr. Walters briefed us on courses that are
5 available at Wright-Pat. He's going to look at
6 trying to establish a quota -- to get three or
7 four quotas per year for RAB members to go on up
8 to attend those courses at Wright-Pat and he's
9 also going to brief us on other local courses
10 that may be offered and other opportunities for
11 us.

12 Mr. Sanchez was not here, but Mr. Loftin
13 gave us a briefing on the newsletter. We did
14 table that issue until the next meeting.
15 Technical assistance grants -- no presentation.
16 Mr. Rice briefed us on his concerns about
17 groundwater. And the charter -- we accepted
18 Mr. Quintanilla's changes and we'll look at
19 voting on the charter -- the new charter --
20 the revised change for next RAB meeting.

21 ATSDR, we agreed with Mr. Quintanilla that
22 he and Mr. Moore will write a letter to ATSDR
23 for RAB membership signature requesting their
24 input or their review of the situation here at
25 Kelly. Mr. Quintanilla indicated that he will

1 have that letter to us within -- within -- I
2 guess by -- a week from Friday is what he
3 indicated.

4 Three briefings on Zone 1, 2 and 3, on
5 soils, by Mr. Medina's staff. Appreciate that.
6 And we've selected the date, time and location
7 of the next meeting. And the last thing in new
8 business is a group will get together and
9 prioritize issues for presentation for agenda
10 items for the next meeting. Does anybody have
11 any other input? Mr. Rice?

12 MR. RICE: Yes. Before we send a
13 letter to Ms. Kelly Thurlow telling her she's no
14 longer a member, I think it would be wise to
15 check with her personally. Because I sure think
16 she was here at the last meeting.

17 MR. MOORE: Yes, she was.

18 MR. RICE: She was? Yeah, I
19 thought so.

20 MR. TEAGUE: I believe
21 Ms. Thurlow was the person I retrieved from
22 outside.

23 MR. HAGELTHORN: Exactly.

24 MR. BAILEY: We will check. We
25 will make sure. And we will phone those people

1 to make sure that there was no documented reason
2 for them being absent.

3 MR. TEAGUE: I think you only
4 voted on Mr. Smith and one other person,
5 though. I don't believe --

6 MR. HAGELTHORN: Yeah. Mr. Smith
7 and one -- two -- two out of three.

8 MR. TEAGUE: Correct.

9 MR. HAGELTHORN: Yeah.

10 MR. TEAGUE: A quick question
11 from the floor is if anyone knows the Knights of
12 Columbus hall address for some folks here who
13 may not see the announcement before the next
14 meeting --

15 MR. HAGELTHORN: I don't have my
16 notes on that. Does anybody from the Air Force
17 have that information?

18 MR. BAILEY: If you will stop by
19 and give your name to Mr. Mike Estrada before
20 you leave, he will phone you and give you that
21 address.

22 MR. HAGELTHORN: Okay. I'd like
23 to make a motion we adjourn the meeting.

24 MS. JOHNSON: I second it.

25 MR. HAGELTHORN: All in favor?

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All opposed?

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STATE OF TEXAS *

COUNTY OF BEXAR *

I, JULIE A. SEAL, a Certified Shorthand Reporter in and for the State of Texas, do hereby certify that the above and foregoing contain a true and correct transcription of all proceedings, all of which occurred and were reported by me.

WITNESS MY HAND, this the 18th day of October, A.D. 1995.

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Certified Shorthand Reporter
in and for
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