



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3224.1

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KELLY RESTORATION ADVISORY BOARD
TECHNICAL REVIEW SUBCOMMITTEE

DATE: August 9, 2005

TIME: 6:30 p.m. to 9:30 p.m.

PLACE: Environmental Health & Wellness Center
911 Castroville Road
San Antonio, Texas

PRESENT:

Dr. David Smith, TRF Facilitator

RAB MEMBERS PRESENT:

Community Members:

- Mr. Robert Silvas, Community Co-Chairman
- Mr. Sam Murrah
- Ms. Armando Quintanilla
- Ms. Esmerelda Galvan
- Mr. Rodrigo Garcia
- Mr. Armando Quintanilla
- Mr. Nazirite Perez
- Ms. Coriene Hannapel

Government Members:

- Mr. Gary Martin, GKDA
- Ms. Linda Kaufman, SAMHD
- Mr. Mark Weegar, TCEQ
- Mr. Greg Lyssy, EPA

REPORTED BY:

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PROCEEDINGS

1
2 DR. SMITH: Okay. If I could go ahead
3 and get us started.

4 MR. QUINTANILLA: If we don't have a
5 co-chair for the military side of it, let the record
6 reflect that.

7 MR. SILVAS: Let the record reflect it.

8 DR. SMITH: My understanding was that TRS
9 does not have a chairperson. You're the chair.

10 MR. QUINTANILLA: That's not what the
11 minutes here say.

12 MS. CODERRE: Actually, it's part of your
13 packet that we'll be going over later. What the RAB
14 requested was that we designate a community chair to
15 this meeting, which Mr. Silvas volunteered to do during
16 an Executive Committee meeting, and then reiterated that
17 at the last Restoration Advisory Board meeting, and that
18 is referred to as item number 2 in that first letter in
19 your packet, where Mr. Silvas was added as the chair to
20 the TRS meetings; and Mr. Silvas agreed during that
21 meeting that he would provide then the verbal reports to
22 the following RAB regarding the issues that were
23 discussed here at the Technical Review Subcommittee
24 meeting.

25 MR. QUINTANILLA: That's all well and

1 good, but you know since the beginning, the custom and
2 the practice has been that we have, you know, a co-chair
3 at all our TRS meetings. This is since when we were
4 with Dr. Lanay (phonetic) at St. Mary's University.

5 MR. SILVAS: A senior representative from
6 AFRPA from the time I joined, and then last volunteered
7 for the community co-chair, there was a government
8 representative too.

9 MS. CODERRE: Well, in order to keep this
10 meeting going and to discuss the issues we have before
11 us this evening, Mr. Silvas, I think that's probably an
12 issue that you might want to discuss with Mr. Antwine at
13 the next Executive Committee meeting. So we can move on
14 with the agenda, and David I'll turn it back over to
15 you.

16 MR. QUINTANILLA: There's some decisions
17 that have to be made jointly. That's the reason we need
18 both of them here.

19 MS. CODERRE: The Technical Review
20 Subcommittee is about reviewing documents. The
21 decisions are made in the Restoration Advisory Board
22 forum. That's why as the chair of this meeting, which
23 you volunteered to chair this meeting, Mr. Silvas, and
24 the decisions then get brought before the full voting
25 body of the Restoration Advisory Board, which the next

1 meeting will be in October.

2 MR. QUINTANILLA: That's too long.

3 MR. SILVAS: We'll address, I guess, it
4 at the next Executive Committee meeting.

5 DR. SMITH: That will be fine.

6 MR. GARCIA: I can't hear you.

7 (Announcement in Spanish.)

8 DR. SMITH: Thank you, sir. Okay. Just
9 real quickly, let's take a look at the agendas. The
10 agenda, as you see before you, has the introduction,
11 which has agenda review, packet review. The
12 Administrative component, the particular items on the
13 agenda are zone 4 and 5 update, followed by a question
14 and answer session; and a groundwater treatment plant
15 presentation, again followed by a question and answer
16 session.

17 The items in the packet, really fall down
18 into two categories. The bulk of the packet are really
19 the slides for the presentations. The second piece is
20 the response to the RFIs and the action items, and those
21 will primarily be covered under item C, D and E in the
22 agenda.

23 RAB members, I believe you received
24 read-ahead packets. The only things that have been
25 added to those packets, because they were not available

1 at the time that they were sent, were the maps and the
2 monitoring data, which will be part of Mr. Buelter's
3 presentation, as well as the last two letters in the RFI
4 section. As I said, Ms. Coderre will go through those
5 pieces one at a time as we work our way through it.

6 The first item in the administrative
7 section of the agenda is the BCT update, followed by the
8 spill summary report. Ms. Landez, I believe is going to
9 do that.

10 MS. LANDEZ: Let me get the easy one out
11 of the way. We haven't had any spills since last
12 reported at the July RAB meeting. We haven't -- since
13 we haven't had a TRS meeting, I'm going to provide
14 updates for the June, July and August BCT meetings. At
15 the June meeting, we discussed -- we updated progress in
16 the different zones, and zone 1, lackland Air Force Base
17 came over and discussed spills over there, a corrective
18 measure study project that they're in the process of
19 being awarded, and they're moving forward on working
20 on -- they're looking at their historical investigation
21 and developing their conceptual site model and also
22 conducting a human health risk assessment. They're
23 going to evaluate corrective actions that will be
24 necessary for the Texas waste the land fills.

25 They're also considering replacing the

1 current groundwater recovery wells that are in the area
2 collecting groundwater with a groundwater recovery
3 trench, and also adding a permeable reactive barrier in
4 one area to contain the contamination from moving down
5 gradient into Leon Creek.

6 They're also going to be addressing
7 erosion problems that tend to continue to happen
8 whenever Leon Creek floods. They're going to do that so
9 that it will stop the erosion from occurring along the
10 base.

11 Another area we discussed was zones 2 and
12 3. That's in the -- this is zone 2; the industrial area
13 is zone 3. We discussed EPA and TCEQ's comments that we
14 received -- the Air Force received on the zone 2 and 3
15 CMS. And they are currently preparing responses, and
16 we're also reevaluating some of our remedies based on
17 TCEQ's recommendation at site 17, building 301 and
18 building 360.

19 For zones 4 and 5, zone 5 is the
20 warehouse area; zone 4 is east Kelly. We're working on
21 removing some redundant groundwater monitoring wells
22 that we don't need, especially those in the city right
23 of way, and we were at that time waiting and now have
24 received a letter associated with the closure of wells
25 in the 1100 area; and also we reported that we'd be

1 submitting the final Tier 2 Ecological Risk Assessment
2 by the end of July, and we did submit that. Also that
3 we would be hearing and submitting the July 2005
4 Semi-annual Compliance Plan Report by 21 July. We also
5 discussed the Desmala (phonetic) and working on
6 basically developing the next two-year execution plan
7 between the Air Force and the state.

8 At the July 19th, 2005 BCT meeting, again
9 the Lackland Air Force Base folks came over and reviewed
10 progress with us. They said that they were beginning
11 their human health risk assessment, and they asked --
12 they asked TCEQ for some guidance on whether they needed
13 to do a human health risk assessment, if they were
14 selecting a presumptive remedy of the landfill cavity,
15 and the state said yes, they still needed to do it even
16 though there's a presumptive remedy being taken. And
17 they also told us that they were in the process of
18 looking at background -- or comparing their inorganic
19 soil concentrations with those established and approved
20 by TCEQ for Kelly Air Force Base. Let's see -- that
21 that would probably redefine some of the landfill areas
22 that needed to be capped.

23 For zones 2 and 3, again we continued
24 discussing our responses to comments on the zones 2 and
25 3 CMS, and we informed the State that there was a

1 possibility, based on some of the assumptions, that we
2 may go ahead and excavate site MP, the area where we
3 have the slurry wall now containing dean apple
4 (phonetic).

5 MR. QUINTANILLA: Why is that?

6 MS. LANDEZ: Why is that?

7 MR. QUINTANILLA: That's about the second
8 or third time that you're redoing that area.

9 MS. LANDEZ: Well, because if we leave it
10 as is, there's going to be a long-term tail that we're
11 going to have to continue paying for for a very, very
12 long time. So we're in the process of evaluating is it
13 better to have, you know -- have to monitor that area
14 and maintain that area for potentially forever, or to go
15 ahead and remove it, remove the dean apple (phonetic)
16 and hopefully get done a lot sooner.

17 MR. QUINTANILLA: Why wasn't that thought
18 of at the beginning? Seems like we're doing something
19 over and over again. It should have been done right the
20 first time.

21 MS. LANDEZ: That was one of those things
22 that we were trying to do something as an interim
23 measure to fix something.

24 MR. QUINTANILLA: I remember when
25 presentations were made, they weren't interim, they were

1 this is it.

2 MS. LANDEZ: And that's what we did.
3 select in the final remedy -- as a final remedy in the
4 CMS; but with further discussions with the State, one of
5 the things that we had looked at, or the way the
6 assumptions were made for comparing the remedies, one
7 was that when we removed the soils from the site, that
8 it would be listed hazardous waste. Going back, we
9 looked at it, it would probably be a better idea --
10 well, that one, it wouldn't fall under the listed
11 category; and two, that is in the long run cheaper to do
12 that.

13 MR. QUINTANILLA: Okay.

14 MS. LANDEZ: Zones 4 and 5, we
15 discussed --

16 MR. SILVAS: Excuse me. Going back,
17 since you're going to leave the soil there, you're not
18 going to remove it?

19 MS. LANDEZ: No. We're evaluating
20 whether to remove the soil or not, and it looks like
21 removal of the soil is going to be the better remedy.
22 So --

23 MR. QUINTANILLA: Could you tell us how
24 much has been expended so far in site A and B?

25 MS. LANDEZ: I wouldn't be able to tell

1 you that.

2 MR. QUINTANILLA: Could you write that
3 down as an action item? We would like to know.

4 MS. LANDEZ: All right. For zones 4 and
5 5, we discussed that we put in the wells along the
6 railroad to inject the iron media for the PRB. The
7 equipment has been under repair, and we haven't, you
8 know, been able to get it back yet. At this point in
9 time we're being told --

10 MR. QUINTANILLA: Is that the Malone
11 Street?

12 MS. LANDEZ: Yes. That it should be back
13 here and ready for injections beginning August 23rd.
14 Also the Commercial Street PRB site restoration
15 completed, so everything is done there. And also I told
16 the State that we're in the process of preparing the
17 zones 4 and 5 Class 3 modification and CMI Work Plan;
18 that it will be submitted to them by the end of
19 September. Also we discussed --

20 MR. SILVAS: Excuse me, before you go on.
21 Your presentation you're reading off of, is that in our
22 packet?

23 MS. LANDEZ: This is just my agenda.

24 MR. SILVAS: It is not included?

25 MR. QUINTANILLA: Usually, we get a

1 summary of all those things that transpire. Are we
2 going to get that summary?

3 MS. LANDEZ: Yes, you'll get the minutes.
4 We usually provide the minutes.

5 MR. SILVAS: Do you think in the future
6 you could provide that with the packets?

7 MS. LANDEZ: The minutes for the meetings
8 that we have, once they've gone to the BCT
9 representative and we finalize them, that's when we
10 provide them.

11 MR. QUINTANILLA: This is the minutes
12 from when?

13 MS. LANDEZ: We just finalized the June,
14 the July; and since July was a couple of weeks ago, and
15 of course today's meeting are still in draft. Well,
16 today's meeting hasn't even been done yet.

17 MR. SILVAS: Do you understand what I'm
18 asking?

19 MS. LANDEZ: I understand what you just
20 said. When the minutes --

21 MR. SILVAS: It would help in the future
22 to have these ahead of time.

23 MS. LANDEZ: When the minutes are final,
24 we will provide them to the RAB.

25 MR. SILVAS: In a sense, we need to have

1 them while you're presenting it.

2 MR. GARCIA: So we can follow along with
3 what you're saying.

4 MS. LANDEZ: We just had the meeting like
5 an hour and a half, two hours ago.

6 MR. QUINTANILLA: You had it way back in
7 June.

8 MS. LANDEZ: Right. I'm sorry, and I
9 didn't provide the minutes to --

10 MR. QUINTANILLA: You also had a meeting
11 in July, too, did you not?

12 MS. LANDEZ: Right. The minutes are in
13 draft form. We have not finalized those minutes.

14 MR. GARCIA: Why does it take so long to
15 process this stuff?

16 MS. LANDEZ: Because it does. To put the
17 minutes together and then send it to each one of the
18 representatives, to come back, and that's just the
19 way --

20 MR. SILVAS: Is there something you can
21 do, you need to bring up to your team members, where
22 they will be somehow streamlined and get this done and
23 brought in sooner than what it takes; because it's
24 difficult to follow along with you, without this in
25 front of us. And it seems that, you know, if you're

1 going to continue to not have those in the package, the
2 presentation is more difficult than ever to follow
3 along.

4 MS. LANDEZ: Typically, what we do is
5 provide you an update of the meeting we've had that
6 evening or earlier in the day. Then at the next
7 meeting, we provide you that month's minutes.

8 MR. QUINTANILLA: That's the reason I'm
9 asking for the June and July thing in writing. What
10 you're presenting is what happened in today's meeting
11 with those people. That's fine, today's meeting; but
12 what about June and July?

13 MS. LANDEZ: Well, June, I'm sorry. I
14 should have given it to CI. That was my fault, I
15 didn't.

16 MR. QUINTANILLA: July?

17 MS. LANDEZ: July, they have not -- the
18 minutes are still in draft. They have not been
19 finalized.

20 MR. SILVAS: Can you make that an action
21 item to look into that to get those done sooner?

22 MR. GARCIA: We need to change the
23 procedure and get those expedited.

24 MS. LANDEZ: The minutes that we have --
25 the meeting that we have the day of the TRS or the RAB,

1 we will not have those produced until afterwards.

2 MR. SILVAS: That's understandable..

3 MS. LANDEZ: Okay. I'll continue on. We
4 submitted the Ricker Facility investigation for the
5 Environmental Process Control Facility to the regulators
6 at the end of June, and we discussed -- we just
7 basically provided an overview to the regulators. We do
8 that as a courtesy so it makes the review easier when
9 they begin to review things. Basically just kind of
10 step them through the document. We also discussed early
11 transfer, and GKDA has given us verbal notice that they
12 are going to submit a letter to AFRPA requesting early
13 transfer of the rest of Kelly Air Force Base.

14 MR. QUINTANILLA: That early transfer
15 will be what date?

16 MS. LANDEZ: We don't know that yet.
17 They're going to submit a letter to us, they've told us,
18 by the end of September.

19 MR. QUINTANILLA: Okay. And we should
20 have this in writing -- this report that you just gave
21 in writing by when?

22 MS. LANDEZ: At the next TRS meeting.
23 And then today, again, we just updated zones. I don't
24 have anything different that we really discussed. Any
25 other questions?

1 MR. GARCIA: Mr. Silvas, for the record,
2 I want to have -- I have something to say. In my
3 meetings I've had with Mr. Antwine, we talked about
4 these minutes and we talk about sketchy reports like
5 this, and I told him this had to change. I also told
6 him that you talk about zone 1 through 5 and all this,
7 even long time members like myself who started in this
8 from the beginning, don't have complete plans for zone 1
9 through 5 and they exist. I know they exist. And when
10 these new board members, some of these have never even
11 heard of zone 1 through 5. When they got their
12 training, they should have been given the basic cleanup
13 documents for zones 1 through 5 so they could start
14 learning about what's going on and these things so they
15 know what they're talking about when we have this.

16 So I want to make a motion, enter it in
17 the record that I want somebody -- I want this reviewed
18 by people that review the operation for the AFRPA and
19 have them reprimanded or censured or something, because
20 they're not doing their job by training these new board
21 members or giving us information on basic documents like
22 zone 1 through 5, basic summaries on what's happening
23 with the Semi-annual Compliance Report, and other basic
24 documents, and I want that entered in the record that
25 they're not doing their job of providing new board

1 members, as well as the older ones, with the proper
2 backup documents so we can follow along on all of these
3 things and have the knowledge on all of these things, so
4 when they give us updates like that, we know what's
5 going on. New members like Esmerelda haven't even read
6 zone 1 through 5, and everything that's going on with
7 the basic cleanup documents. That has to be done. I
8 want to make a motion that they deal with it within the
9 next couple of days, or I need to get in touch with
10 Federal officials to have some action taken by somebody
11 else, that way we get the documents we need. Thank you.

12 DR. SMITH: The motion was --

13 MR. GARCIA: The motion was that the
14 staff be put on notice that before they give us
15 presentations, for example, on zone 1 through 5, a lot
16 of these new members need to be given -- and old members
17 need to be given complete documents on items that are
18 being discussed, like zone 1 through 5 so they can fully
19 understand what these cleanup plans were, so when we get
20 updates like that, we know what was in the basic plan
21 and what is happening with the basic updates; and since
22 this has not happened, I want to make a motion that we
23 deal with Federal officials somewhere, and we address
24 AFRPA issue that they're not providing sufficient
25 training and sufficient documentation for us to study to

1 do our job. Any second to my motion, or any discussion?

2 MR. QUINTANILLA: I would like to amend
3 it first. Amend it in a way that Mr. Silvas will
4 present what you just said to Mr. Antwine at the
5 earliest possible date and ask him to correct it. Will
6 you accept the amendment?

7 MR. GARCIA: Yes.

8 MR. QUINTANILLA: I second it.

9 MR. SILVAS: A little more discussion. I
10 can see the frustration, because again the reports, like
11 the ones that have been here throughout the beginning
12 have seen the documents, and as he said, you start out
13 with a plan and then suddenly the plans have changed and
14 the new members haven't been kept up to date from the
15 beginning to where we're at now at this juncture. So I
16 can see, you know, new members should have that
17 information, as well as the members that are here today.
18 That has to be addressed, because if there's changes in
19 what plans were initiated, those plans should be
20 discussed and put on the record. And that's been --

21 DR. SMITH: Mr. Weegar, had his hand up
22 first.

23 MR. WEEGAR: I guess a comment I would
24 have is if -- Rodrigo, if you're looking for every RAB
25 member to have the complete documentation of everything

1 that's been done in zone 1, 2, 3, 4, 5, we're talking
2 about tens of thousands of pages of information that --

3 MR. GARCIA: Zone 1 through 5 are little
4 books about this thick.

5 MR. SILVAS: Summaries.

6 MR. GARCIA: The summaries are about this
7 thick, zone 1 through 5. I've seen them, but they've
8 never given copies to me.

9 MR. WEEGAR: Okay. Well, you said
10 complete documentation. To me, that means all the
11 reports. I mean, that's tens of thousands of pages of
12 documentation that I don't think anybody wants to wade
13 through, especially considering that, you know, the
14 cleanup decision or the final remedy has been proposed
15 for zone 4 and 5, and it's already to the next phase.
16 Zone 2 and 3 has been in the corrective measure study
17 phase, as has been commented on. Zone 1 hasn't even
18 been proposed yet, and as a -- as an alternative, the
19 suggestion I would make is zone 4, zone 5, zone 2 and 3
20 have been reviewed and commented on by the RAB's TAPP
21 contractors, and those comments have been incorporated
22 into TCEQ's review of those documents. Would you
23 accept -- I mean, I don't see any reason why AFRPA
24 couldn't make copies of the TAPP contractor's comments,
25 and things like that.

1 MR. GARCIA: All I see we have a lot of
2 new members, and a lot of new member, when they listen
3 to something like this, they don't know what's going on.
4 That's my only concern. We need to figure out -- to
5 reach a common ground, so that these new RAB members, as
6 well as the memories of some of the older RAB members,
7 they're refreshed, they know what's going to happen and
8 what's going on with BCT and what's going on with this
9 cleanup. You know, you give us a report we don't know
10 nothing about. Something is wrong and something has got
11 to be corrected.

12 MR. WEEGAR: I understand --

13 MR. GARCIA: We've got to correct it one
14 way or the other.

15 MR. WEEGAR: I understand what you're
16 saying; but I think everybody has to keep in mind that
17 this environmental restoration started back in the early
18 to mid '90s, and we are within a year of being done with
19 all the cleanups at Kelly Air Force Base, as far as the
20 remedies being installed.

21 MR. SILVAS: That's a little
22 short-sighted.

23 MR. QUINTANILLA: If that is correct --

24 MR. WEEGAR: Could I finish, please?

25 MR. QUINTANILLA: Go ahead.

1 MR. WEEGAR: We are looking at within
2 probably about a year's end of having the final
3 corrective action programs submitted for TCEQ approval.
4 I don't know that it serves -- obviously, we have a
5 changeover in RAB members every year as we go along in
6 the process; but we're getting towards the very end of
7 the remedy selection process here, and going back and
8 trying to brief each new RAB member on what's happened
9 at the beginning all the way up on decisions that have
10 already been made and approved, seems to me to be
11 somewhat counter-productive as far as focusing on those
12 major cleanup plans, like the off site groundwater and
13 the on site soil and groundwater.

14 I would just offer as an option that the
15 Air Force provide all the RAB members copies of the TAPP
16 review, because those are, you know, consultants that
17 were hired basically for the RAB to review these
18 technical documents and provide comments. That was
19 accepted by the RAB as the RAB's comments to the TCEQ,
20 EPA and AFRPA. So that lays out what the various
21 remedies are, what was selected, what the TAPP
22 contractor found were some of the problems with it; but
23 gives an overall evaluation of that program.

24 MR. QUINTANILLA: But that's not in every
25 case, Mr. Weegar. It's not going to be next year that

1 we're going to quit. It's going to be several years of
2 monitoring that's going to continue, maybe ten, maybe 15
3 more years. So what he's saying does have some
4 validity.

5 MR. WEEGAR: My point --

6 MR. QUINTANILLA: Yeah, all the
7 cleanup --

8 MR. WEEGAR: September -- the end of
9 September, the final cleanup plan for zone 4 and zone 5,
10 all the off site groundwater comes to TCEQ for review
11 and approval. Following on behind that shortly is going
12 to be zone 2 and zone 3, within probably the next six to
13 nine months. So we're within a year, or slightly
14 longer, of actually having those major cleanup decisions
15 having been finalized.

16 DR. SMITH: Ms. Galvan, please? I was
17 trying to get back to you.

18 MS. GALVAN: If that's true, what you're
19 saying it's going to be about a year, then it would seem
20 to me that it would be most important to have those June
21 and July minutes given to us.

22 MS. LANDEZ: I'll be glad to.

23 MS. GALVAN: That I don't understand. So
24 Norma, I want to know what is your position, and where
25 do you work, because I need to --

1 MS. LANDEZ: I work for the Air Force
2 Real Property Agency.

3 MS. GALVAN: AFRPA?

4 MS. LANDEZ: AFRPA.

5 MS. GALVAN: Uh-huh.

6 MS. LANDEZ: And I'm the BRAC
7 Environmental Coordinator for Kelly Air Force Base.

8 MR. SILVAS: What is your degrees?

9 MS. LANDEZ: What's my degree?

10 MR. SILVAS: Yes, your background?

11 MR. GARCIA: Your educational background
12 in this area?

13 MS. LANDEZ: I'm a scientist.

14 MR. SILVAS: What?

15 MS. LANDEZ: I'm a scientist.

16 (Several people talking at once.)

17 THE REPORTER: Can we have one at a time,
18 please?

19 DR. SMITH: Come on, guys. Let's not
20 beat up on people.

21 MR. SILVAS: No, we have --

22 DR. SMITH: Please.

23 MR. SILVAS: We have every perfect right
24 to ask that question.

25 DR. SMITH: That question has been asked

1 and answered more than once in this group.

2 MR. SILVAS: Not from her. We can ask
3 again.

4 DR. SMITH: What I'm not going to let you
5 do is beat up on her.

6 MR. SILVAS: We're not beating up on no
7 one. We're asking a perfectly legitimate question;
8 okay? We're not up there slugging at her.

9 MS. LANDEZ: I answered. I'm through.

10 MS. HANNAPEL: Dr. Smith --

11 DR. SMITH: Would you like to add
12 anything?

13 MS. LANDEZ: Just to let you know, I've
14 worked at Kelly Air Force Base since 1983.

15 MS. HANNAPEL: I have never heard the
16 answer to that question, whether she has a Bachelors or
17 Masters or PhD, and in what particular area. I've never
18 heard that. May she answer?

19 DR. SMITH: She may, if she chooses.

20 MS. HANNAPEL: That's fine.

21 MS. GALVAN: Do you choose to tell us, or
22 not?

23 MS. LANDEZ: I'm the BRAC Environmental
24 Coordinator for Kelly Air Force Base.

25 MS. HANNAPEL: So she's not --

1 MS. GALVAN: That doesn't --

2 THE REPORTER: Hold it. One at a time,
3 please.

4 MS. HANNAPEL: Okay. Thank you.

5 MS. LANDEZ: I gave you my answer.

6 MS. GALVAN: I hadn't finished my
7 question. What's the number to contact you? Where will
8 we be able to contact you?

9 MS. LANDEZ: 925-0946. No, 925-0956.

10 DR. SMITH: 925-0956. Did you get it?
11 Yes, ma'am.

12 MS. CUNNINGHAM: I'm just going to say
13 most of the documents I believe that they're asking to
14 be copied are here in the Environmental Health and
15 Wellness Center, and they're certainly welcome to come
16 over and review those documents.

17 MS. LANDEZ: They're here and at the --

18 MS. CUNNINGHAM: And at the library
19 downtown. So to save a few trees, that might be a way,
20 because there's a whole room full of documents in there.
21 I can't imagine having someplace at home to store them.

22 MR. QUINTANILLA: Does that include the
23 administrative record, the decision records that have
24 been made?

25 MS. CODERRE: Mr. Quintanilla --

1 MR. QUINTANILLA: Are they here?

2 MS. CODERRE: The administrative record
3 is housed at the Information Repository.

4 MR. QUINTANILLA: They're not here?

5 MS. CODERRE: The entire administrative
6 record is not located on site here.

7 MR. QUINTANILLA: We've got to go
8 downtown?

9 MS. CODERRE: To the Information
10 Repository.

11 MR. QUINTANILLA: We can't go to this
12 office here? You don't have it in your office?

13 MS. CODERRE: The administrative record
14 is part of the Information Repository at the library.
15 That's where it's been set up. But it's in the
16 Government's document section that's on the second floor
17 of the library.

18 MS. HANNAPEL: I have a question on that.
19 I have been there to the library, and for me it was
20 impossible to find what I needed. It's not indexed
21 properly, it's not in any particular order. That's what
22 I found. That was my experience.

23 DR. SMITH: Okay. You have a motion and
24 a second on the floor. Further discussion on the
25 motion?

1 MR. SILVAS: I'd like to find out the
2 supervisor for Mr. Landez.

3 MS. LANDEZ: My supervisor is William
4 Ryan.

5 DR. SMITH: Discussion pertaining to the
6 motion?

7 MR. QUINTANILLA: No. I'm in favor of
8 the motion.

9 DR. SMITH: Okay. Haven't gotten quite
10 there yet. Are you ready for a vote on it?

11 MR. SILVAS: What's the motion again? I
12 lost track of it.

13 MS. HANNAPEL: I'm sorry, I don't know
14 what the motion is.

15 DR. SMITH: I'm not sure I can capture
16 it, because it was rather prolonged; but I think the
17 essential message of the motion was that Mr. Garcia felt
18 that RAB members needed additional information on zones
19 1 through 5 and that Mr. Quintanilla --

20 MR. QUINTANILLA: Also that the BCT
21 minutes in writing be printed to us. I can understand
22 the August, you know, you just had the meeting; but not
23 June and July, and you're supposed to present that to
24 Mr. Adam Antwine. Tell them you want expedited action
25 on that.

1 DR. SMITH: So it's really an action for
2 Robert to present?

3 MR. QUINTANILLA: Yeah. That's his job.

4 DR. SMITH: We do have a motion and a
5 second. Are we close enough to understanding what that
6 is to get a grip on it? All in favor of the motion?
7 Seven. Any opposed? Okay.

8 MS. LANDEZ: Anything else?

9 DR. SMITH: That's all. The next item on
10 the agenda is the documents to the TRS and RAB. That's
11 Ms. Coderre.

12 MS. CODERRE: Actually, I need to correct
13 that one. Mr. Silvas, that's the copy of the documents
14 that I handed you. So I just need your signature that
15 that has been put into the library. If I may read them
16 off to the group while we're on that point? There we
17 go. Okay. So the documents that will be going into the
18 Environmental Health and Wellness Center Library,
19 including the Semi-annual Compliance Plan Report for
20 July, which is January through July of 2005, with parts
21 1, 2 and 3. Also would be the Ecological Risk
22 Assessment Addendum Tier 2, Tier 3 with the CD, and an
23 AFRPA letter to neighbors/residents on the removal of
24 groundwater recovery well from S-4. So if you'll sign.

25 MR. SILVAS: Yeah. There's something I'm

1 going to add to that, so --

2 MS. CODERRE: Those are the documents
3 that have gone to the TRS. David, if you don't mind
4 I'll keep moving.

5 DR. SMITH: That's fine. You do have a
6 question coming up.

7 MS. CODERRE: Oh, I'm sorry. Mr. Garcia?

8 MR. GARCIA: What did you say,
9 Semi-annual Compliance Report for July?

10 MS. CODERRE: Yes. I only brought one
11 copy to get Mr. Silvas' signature. And Ecological Risk
12 Assessment Addendum. You'll receive a copy of this.
13 Mr. Silvas requested that we hold this back until you
14 can get a copy of the one that has his signature on it,
15 which I won't get until tonight. So you'll get a copy
16 of this document in the next packet that we mail out, as
17 well as a letter about the removal of the well.

18 MR. GARCIA: How about an Executive
19 Summary -- 50, 60 page Executive Summary of all the
20 major items and the action items in the Semi-annual
21 Compliance Report; are we going to get that?

22 MS. LANDEZ: I'm sorry? A summary?

23 MR. GARCIA: Executive Summary of all the
24 actions and all the remediation items that are going on
25 in the Semi-annual Compliance Report, are we going to

1 get that?

2 MS. LANDEZ: There's an Executive Summary
3 in the report itself.

4 MR. GARCIA: Executive Summary of the
5 entire report?

6 MS. LANDEZ: To discuss - yes - what's in
7 that specific report.

8 MR. GARCIA: Will it define the items in
9 that report and actions being taken and everything?

10 MS. LANDEZ: Yes.

11 MR. GARCIA: How long is that report, and
12 when are we going to get it?

13 MS. LANDEZ: The report is in the box
14 that we --

15 MS. CODERRE: The report is -- that's
16 what I'm asking Mr. Silvas to sign for receipt of that.
17 That will be as part of this library here that the
18 community members have access to.

19 MR. GARCIA: When are the RAB members
20 going to get copies of the Executive Summary?

21 MS. CODERRE: We're not planning on
22 making copies of that. We were putting it in the
23 library for your review.

24 MR. GARCIA: Okay. I had discussed that
25 with Mr. Adam Antwine about presentations being made to

1 the RAB members and documents for review getting to the
2 RAB members. Apparently, you're not going to do that
3 again, so I want to put it on record that I'll file a
4 complaint against Adam. Action needs to be taken
5 against AFRPA over that, because that has been discussed
6 in the past two years, and it's still not being done,
7 Mr. Silvas, and I want some kind of reprimand action be
8 taken against AFRPA staff by the RAB or by Federal
9 officials. I want that put on the record.

10 MR. QUINTANILLA: Sonja, this has come up
11 before, about a year or so ago that we brought this up
12 that all of these reports must have an Executive Summary
13 in front of them.

14 MS. CODERRE: And the report does have an
15 Executive Summary. In fact --

16 MR. QUINTANILLA: And that we would
17 receive copies of the Executive Summaries.

18 MS. CODERRE: And the copy of the
19 Semi-annual Compliance Plan Report is put in the
20 Community Co-chair's Library here, as well as the
21 Information Repository that's downtown.

22 MR. QUINTANILLA: Where are the Executive
23 Summaries at? We're not getting them.

24 MS. CODERRE: They've been put into the
25 librarys for your review.

1 MR. QUINTANILLA: That's not what we
2 asked for and what was promised two years ago, Sandra.

3 MS. CODERRE: My name is Sonja Coderre.

4 MR. QUINTANILLA: Sonja, I'm sorry.

5 MS. CODERRE: Thank you, Mr. Quintanilla.

6 I don't know that that was promised two years ago; but I
7 will look into that.

8 Okay. So if we'll continue on, the
9 action items -- we referred to that earlier in this
10 meeting, that is the first letter that you have in your
11 packets behind the agenda. So those were the action
12 items that were raised earlier at the May Technical
13 Review Subcommittee; and the first item was to designate
14 a TRS membership, and you'll see what transpired as far
15 as the membership. It was left open. You'll see that
16 item number two was to designate a TRS chair, which we
17 discussed earlier being Mr. Silvas volunteered for that.
18 It was also requested that we provide a zones 4/5
19 briefing, which is the briefing that you'll be receiving
20 tonight in response to that request.

21 Also was requested information about the
22 site E-1 rebate amount, and that information was
23 presented during that June 2005 special RAB meeting that
24 we had, but we've summarized that as well and put that
25 into this document that you have in front of you here

1 this evening.

2 As far as an Outreach Report, the Air
3 Force Real Property Agency is working with EPA and
4 Southwest Workers' Union and some of the neighborhood
5 association groups on a project that used to be known as
6 Project Regeneration. That project has been renamed,
7 and it's now called the Kelly Area Collaboration. We
8 held a meeting on the 27th of July; and during those
9 meetings, there's discussion about forming community
10 round tables and forums where the community can
11 participate in dialogues with different organizations
12 about issues such as --

13 MR. QUINTANILLA: Are you reading from
14 this?

15 MS. CODERRE: No, I'm just talking
16 extemporaneous.

17 MR. QUINTANILLA: This is not part of
18 this --

19 MS. CODERRE: No, sir. I moved on to the
20 Outreach Report, Mr. Quintanilla.

21 MR. QUINTANILLA: Okay. I didn't see it
22 on the agenda.

23 MS. CODERRE: The Outreach Report is
24 under item E under administrative on the agenda, Mr.
25 Quintanilla.

1 MR. QUINTANILLA: Outreach report. Okay.

2 MS. CODERRE: So the Kelly Area
3 Collaboration, the focus for community members on that
4 group is economic redevelopment, health issues and
5 environmental restoration. So those are the issues that
6 its discussing, and hopefully we'll have more
7 information to bring to you as that plan and process
8 moves forward.

9 Also we'd just like to bring your
10 attention to what we passed out in the meeting that we
11 had last month, was a notification of a class 2
12 modification. We provided in last month's packet the
13 notification and the letter; and in there is information
14 about a public meeting that's going to be held on the
15 23rd of this month. So I just want to draw your
16 attention back to what was handed out last month, and
17 just remind you that we are going to have that public
18 meeting on August 23rd, and that will be at 285 Quentin
19 Roosevelt where we held the special RAB.

20 MR. QUINTANILLA: Tell us a little bit
21 about that. What site is that that's being closed, or
22 what do you intend to do?

23 MS. CODERRE: You know, we're already
24 starting to get a little bit off time here tonight.
25 That public meeting is really what's intended to go

1 through the complete discussion of that.

2 MR. QUINTANILLA: I just want an
3 overview.

4 MS. CODERRE: I'm not the one that can
5 really speak to everything about that.

6 MS. LANDEZ: I can.

7 MS. CODERRE: Oh, okay.

8 MS. LANDEZ: Basically, we're making a
9 minor adjustment to the site full recovery system,
10 because the railroad decided to put in a high-speed line
11 over a ground water recovery trench. We evaluated it,
12 and it hadn't been generating any water for us, so we
13 said we'd remove it since it is their property.

14 MR. QUINTANILLA: Those are the wells
15 that are up there on the railroad in front of 271?

16 MS. LANDEZ: Yeah. There is a
17 groundwater recovery trench and a recovery well that we
18 needed to remove; but yeah.

19 MR. WEEGAR: That's it down there.

20 MR. QUINTANILLA: That's in front of
21 building 171, in that area?

22 MS. LANDEZ: No, it's further down by the
23 airfield right here; and then also the 1100 area, which
24 is now part of --

25 MR. QUINTANILLA: Lackland.

1 MS. LANDEZ: -- Lackland over here that's
2 now -- it's a site on the Compliance Plan. We had
3 groundwater contamination. We reviewed the data. The
4 data meets production standard 2, so we've closed the
5 sight and we're removing it and the monitoring system.

6 MR. QUINTANILLA: There's no
7 contamination there in that area?

8 MS. LANDEZ: It's now below drinking
9 water standards, so we're removing it from the
10 Compliance Plan.

11 MR. QUINTANILLA: Thank you.

12 MS. LANDEZ: That's it, and a few other
13 minor changes.

14 MS. CODERRE: I need to make a
15 correction. I said 285 Quentin Roosevelt, and it's 485.
16 And just as a reminder that's the same location where we
17 held the special RAB meeting, in that same conference
18 room, and we'll have it, of course, signed very well so
19 that you can find that location. Mr. Garcia?

20 MR. GARCIA: One last comment. If you go
21 back through the records and you look to see, and you'll
22 find that for the past -- it's been over three years
23 that the RAB has made motions, and it's been under
24 discussion that we hire somebody who's going to work
25 with the community and give us community information and

1 give us updates and give us Executive Summaries on the
2 Semi-annual Compliance Report; but you keep dodging the
3 bullet, and the bullet or the buck stops now.

4 You go back and look at all the records.
5 This has been an issue that has been brought up over and
6 over and over again. You'll find it in the record, and
7 you keep telling us this and that and that, and we've
8 asked for a professional consultant who can work for the
9 community and give us updates and explain all the
10 scientific jumbo in that Semi-annual Compliance Report
11 and give us Executive Summaries on this Semi-annual
12 Compliance Report, but you keep dodging the bullet. You
13 can't -- we're not Burger King; you can't have it your
14 way. We want it done, and we want our information, and
15 if you're not going to do it, then I want it in writing
16 so I can take it to the proper Federal authorities and
17 have them change your mind for you. Because this thing
18 about the Semi-annual Compliance Report was dealt with
19 several times. Every six months we deal with it, and
20 nothing has ever been done. You give us the same old
21 procedure all the time. That's what -- I'll stop now.

22 MS. CODERRE: Those are mine.

23 DR. SMITH: Okay. That completes the
24 administrative component of the agenda and moves us on
25 to the zones 4 and 5 update. You'll notice that there

1 are two updates that follow one another; zone 4 and 5
2 comes first, followed by a question and answer session;
3 then the groundwater treatment plant presentation,
4 followed by a question and answer session.

5 You have the slides in your packets.
6 They were primarily provided to you also in the
7 mailouts. I'll ask you, if you could, as long as you
8 still kind of understand what's going on, if you could
9 kind of hold your questions until Mr. Buelter gets to
10 the end of one of these, zones 4 and 5, we'll talk about
11 zones 4 and 5 then, and then we'll back off for a minute
12 and then go to the groundwater treatment plants and talk
13 about that, if that's an acceptable process.
14 Mr. Buelter, I'll turn it over to you.

15 MR. BUELTER: I guess it was back in the
16 April TRS meeting or March, we went through zones 2 and
17 3, so this is the zone 4 and 5 update. Just to kind of
18 show you where we're at in the process, under our
19 Compliance Plan that we have with TCEQ, there are
20 various phases that we have to go through for our sites,
21 RCRA facility investigation, RFI; corrective measure
22 studies, CMS, the CMI workplan is basically a design
23 document and compliance plan mod that we submit.
24 Implementation is the construction of those remedies;
25 and lastly, it's the operation of those long-term

1 remedies.

2 For zones 4 and 5, RFI for all the sites
3 and the CMS for all those sites have been approved by
4 the State. We -- by the end of September - I think that
5 5 October date is the 180 day, but we're trying to shoot
6 for the end of September - we need to submit our CMI
7 workplan to the state. Again, this is a Compliance Plan
8 mod. It will formalize our final actions that we're
9 taking for zones 4 and 5. You'll see most of these, we
10 put in initially as interim measures, you know, just
11 kind of to get going while this process is taking place.

12 In zones 4 and 5, the only soil site that
13 we have left is kind of long-term action site S-1. All
14 the other soil actions have been addressed to meet
15 either risk standard 1 or risk standard 2 criteria.

16 Next slide.

17 MR. SILVAS: Before you go on, why was
18 that a long-term soil site?

19 MR. BUELTER: Site S-1?

20 MR. SILVAS: Yeah. You just mentioned it
21 was a long-term soil site.

22 MR. BUELTER: I will discuss it here in
23 just a second.

24 MR. SILVAS: All right.

25 MR. BUELTER: These are the treatment

1 systems as proposed in the corrective measure study for
2 zone 4, which is east Kelly. The first is a project
3 that installed horizontal wells along the boundary of
4 east Kelly. We've done some enhanced bioremediation up
5 near the former engine repair shops in the northeast
6 corner of east Kelly. Another area where we did some
7 bioremediation is kind of down in this area of east
8 Kelly.

9 MR. SILVAS: Excuse me, but those were
10 storage sites, too; they weren't just maintenance
11 facilities.

12 MR. BUELTER: The maintenance facility is
13 the source of contamination in that area. We
14 completed - this is a little different now - the PRBs
15 for Commercial Street; and actually, there's one on
16 Collingsworth that's over here and that has been
17 completed. And as mentioned earlier, we have -- are in
18 the process of installing injection PRB here along UPRR
19 property. The injection wells have been installed, and
20 we're just waiting for the injection equipment to come
21 back on site to complete.

22 MR. QUINTANILLA: Injection equipment,
23 injecting what?

24 MR. BUELTER: Iron. Iron filings. Okay.
25 Next. Zone 5 is this yellow area, and the CMS and

1 Compliance Plan covers both sites that are on Lackland
2 property now, former Kelly that was transferred to.
3 Lackland and then also BRAC property.

4 Selected alternatives, there are two
5 for -- plume A is a groundwater plume that there's a
6 repair shop in this area, and the plume moved this way
7 kind of to the south and primarily east. We installed a
8 permeable reactive barrier here at building 1533 and
9 then at this area up here, we did enhanced
10 bioremediation.

11 One aspect with enhanced bioremediation -
12 I'll talk a little more about the technology a little
13 later - it's not just a one time shot. When we
14 initially did the enhanced bioremediation in this area,
15 there was an old hanger, building 1414 that didn't allow
16 us to go -- we kind of had a limit on how far north we
17 could go with the installation of the new door hangar,
18 which was constructed west of the old 1414. Now we have
19 access and now we're going to go back in and spot treat
20 this area really fully and do that area.

21 Plume B is really potentially more likely
22 an off base source that commingles with some of the
23 Kelly contamination. This is the 34th street PRB, which
24 has been installed.

25 Plume C is actually site S-1. It's in

1 this area right here. It was kind of a waste storage
2 facility. We've done soil excavation in that area.
3 Presently there's a soil vapor extraction system and
4 pump and treat that is operating currently at that spot.

5 Plume D is down in this area, and we've
6 done enhanced bioremediation there. The other plumes
7 here are modern natural attenuation. Plume F is kind of
8 a small area here. Real low concentrations of TCE.
9 Plume H is out in the flight line; low concentrations of
10 TCE. Plume J is the 1100 area that Norma mentioned
11 we've achieved closure. Plume K is another little small
12 plume over here in the 149th area, primarily
13 chlorobenzene and it's just above the MTL for that area.

14 Okay. Next. Enhanced bioremediation, I
15 was looking up -- and I knew that the ITRC has done some
16 work on here. They actually have a guidance document
17 out that was published in December of 1998. So it's a
18 process that people have been looking at for some time.
19 Really, there's different ways to do this. For the
20 areas that I talked about in zone 4 and 5, we're adding
21 a carbon source, primarily -- well, it's like vegetable
22 oil. The material we used is a proprietary substance
23 from a company called Regenesys, and it's basically
24 vegetable oil.

25 MR. WEEGAR: Expensive vegetable oil.

1 MR. BUELTER: Yes, it's a little more
2 expensive. Oxygen, for the chlorinated solvents, isn't
3 something you would want to do. It's basically for some
4 of the zones 2 and 3 sites is something that we're doing
5 through soil vapor extraction. And actually site S-1,
6 that's one of the reasons we're doing SVE there is to
7 get oxygen into the subsurface.

8 MR. QUINTANILLA: How do you do that?

9 MR. BUELTER: What's that?

10 MR. QUINTANILLA: Get the oxygen into the
11 ground?

12 MR. BUELTER: Basically, you just use
13 blowers and blow air into the ground.

14 MR. QUINTANILLA: Blow it into the
15 ground?

16 MR. BUELTER: Yeah.

17 MR. QUINTANILLA: Okay. Pump it into the
18 soil and into the water?

19 MR. BUELTER: Yeah.

20 MR. QUINTANILLA: Just like the iron
21 filings?

22 MR. BUELTER: It's a little different.
23 It's a little easier to put the air in than it is the
24 iron. The iron needs a special --

25 MS. HANNAPEL: You said you were not

1 doing enhanced bioremediation?

2 MR. BUELTER: We are at -- it's site
3 E-3, S-8 and S-1 chlorobenzine contamination, and oxygen
4 is what's needed in the subsurface to degrade that
5 chemical. Some places actually try to inject hydrogen.
6 That's not used that often. Trace nutrients aren't
7 really a problem here. It's really -- in the late '90s,
8 we had a study done to look at natural attenuation, and
9 really the one thing that was missing in a lot of our
10 areas was this source of carbon for the degradation.

11 So the process from PCE to ethene is
12 something that's called reductive dehalogenation.
13 Basically, it's removing the chlorine atom and replacing
14 it with a hydrogen as you move from PCE, TCE, DCE, vinyl
15 chloride and ethene. I'll show some graphs here in a
16 second of some of the sites.

17 The rates, how long it takes for PCE to
18 degrade to TCE, TCE to DCE, they're different and it
19 will depend on the site where you're at and what kind of
20 bacteria are available. Generally speaking, the
21 researchers say the step from DCE to vinyl chloride and
22 from vinyl chloride to ethene are slower than PCE to TCE
23 and TCE to DCE. Okay. Next.

24 MS. HANNAPEL: How much slower?

25 MR. BUELTER: It varies.

1 MS. HANNAPEL: Years, months, minutes?

2 MR. BUELTER: I can't answer right off.

3 In the lab, it's different. It could be months; it
4 could be years.

5 MS. HANNAPEL: How are you testing that,
6 because obviously the TCE and the DCE are added. They
7 weren't there before, and now they're there because of
8 this process. How do you test for that?

9 MR. BUELTER: It's one -- you can look at
10 what the concentrations are relative to what you started
11 with. I'll explain it better on the graphs - it's
12 easier to show - in just a second.

13 Basically, what you're doing, the
14 breakdown of organic material. I don't want to get into
15 it too much, because it's like electron donors, electron
16 acceptors, and these are items that are pretty - well,
17 solvents obviously aren't natural, they're added because
18 of spills - are things that -- you have to have
19 something here to accept electrons before an organic
20 material will actually break down. So what we're adding
21 here is the -- I'll use vegetable oil. Basically what
22 we're trying to do is produce hydrogen, and hydrogen
23 provides the electrons to eventually break down the
24 solvents.

25 The other major aspect of this is right

1 here, is energy. Natural system, the thing that
2 produces the most energy is what's going to happen.
3 first. So to get to the point to where you break down
4 solvents, you need to get rid of the oxygen, nitrates,
5 sulfates, iron, carbon dioxide. So you need to get rid
6 of that before you actually -- these electrons will go
7 to the solvents to break those down.

8 MS. HANNAPEL: What do you mean by
9 something to breathe?

10 MR. BUELTER: It's -- the analogy -- the
11 person who put this equation together, his analogy was
12 just looking at trying to relate it to, you know, a
13 higher system where you have food and you breathe air.
14 Basically, it's transfer of electrons. It's just --

15 MR. MURRAH: The energy is carbon, isn't
16 it?

17 MR. BUELTER: Pardon?

18 MR. MURRAH: The carbon source is causing
19 the energy?

20 MR. BUELTER: Yeah, it's the whole
21 reaction is what eventually comes up with the energy.

22 MR. MURRAH: If you don't have carbon
23 somewhere, it's not going to happen.

24 MR. BUELTER: Right. You won't even get
25 rid of the oxygen, if there's not carbon for bacteria to

1 send electrons to.

2 MR. QUINTANILLA: How much carbon have
3 you poured into it?

4 MR. BUELTER: I would have to look at the
5 sites. I don't know that off the top of my head.

6 MR. GARCIA: How long does this process
7 take?

8 MR. BUELTER: Some sites are quicker than
9 others. I'll show one area where we usually see some
10 results fairly quick. The difference --

11 MR. GARCIA: Years, days, hours?

12 MR. BUELTER: It will be years, but it's
13 shorter than if you don't add anything. If you don't
14 add this carbon source, you're probably looking at tens
15 of years, rather than a few years.

16 MR. SILVAS: What chemical is this
17 cleaning?

18 MR. BUELTER: What we're targeting here
19 are PCE, TCE.

20 MR. SILVAS: The solvents.

21 MR. BUELTER: The solvents, yeah.

22 MS. HANNAPEL: What is the carbon source
23 for?

24 MR. BUELTER: The carbon source is the
25 bioelectron.

1 MS. HANNAPEL: And what is -- getting
2 back to the breathing thing, what is breathing?

3 MR. BUELTER: It's just acceptance of
4 electrons. It's an analogy to the human body needs air,
5 you breathe. You have two things that happen.

6 MS. HANNAPEL: What's breathing though?

7 MR. BUELTER: It's the type of -- it's
8 taking --

9 MS. HANNAPEL: What's breathing though.

10 MR. BUELTER: Well, it's -- ignore that.

11 MS. POWER: Isn't it an analogy to
12 respiration in plants possibly, or some other life form,
13 as opposed to a microbe? Is that possibly an analogy of
14 some type?

15 MS. HANNAPEL: I'd like to know --

16 MR. LYSSY: That analogy is we already
17 have the solvents out there. We already have the
18 bacteria out there. We have oxygen. You cannot get
19 this reductive dehalogenation with oxygen. It has to
20 happen without the oxygen. So we have to get the oxygen
21 out. The way we do that is we go ahead and put in some
22 type of food source for the bacteria to eat, which in
23 this case is veg oil. You can use molasses, you can use
24 wood chips, you can use all kinds of different things to
25 get the bacteria colonies to start growing. As they do,

1 they'll use up all the food that you put in, all the
2 molasses. They're looking for something else to eat.

3 The next thing they're going to find to
4 eat is they're going to start eating the solvents. By
5 eating the solvents, they're just stripping off the
6 actual chlorine molecules, atoms to break it down from
7 PCE to TCE to DCE to VC and finally to ethene.

8 MR. SILVAS: The waste is that thing?

9 MR. LYSSY: The waste?

10 MR. SILVAS: From the microbes?

11 MR. BUELTER: That's really these things.

12 MR. LYSSY: Yeah. It's the natural

13 byproducts that are already there.

14 MS. HANNAPEL: I guess what I'm getting
15 to is what do you mean by breathe? The final electron
16 acceptor -- I know what it means, I'm just trying to
17 figure out what you all are saying.

18 MR. LYSSY: I don't know. It's not my
19 slide.

20 MS. HANNAPEL: That's a good answer. Do
21 you know?

22 MR. BUELTER: It's basically -- like I
23 said, this person was using an example. It's really the
24 last electrons are going there. He's just making that
25 analogy that's similar to breathing.

1 MS. HANNAPEL: See, I really -- that's an
2 important thing to know, when you're saying this. . I'm
3 not trying to criticize you. That's an important thing
4 to know. I know what it means, because I teach that;
5 but I don't know if you know, and that's kind of scary,
6 you know.

7 MR. BUELTER: I know what electron donors
8 and electron acceptors are.

9 MS. HANNAPEL: Okay. What does that
10 mean?

11 MS. GALVAN: Why did you use it as an
12 analogy? Why?

13 DR. SMITH: Excuse me. Let's not
14 challenge the techniques of the presentation. Deal with
15 the issues that you're trying to deal with.

16 MS. HANNAPEL: That is an issue,
17 Dr. Smith. That is a very big issue, as far as I'm
18 concerned. I will wait until the end --

19 DR. SMITH: Please.

20 MS. HANNAPEL: -- but it is an issue.

21 MR. BUELTER: Basically, the way -- it's
22 very simple to work, either through -- most of our
23 injections were done just through soil boring sonic
24 rigs. You can also use existing monitoring wells.
25 Basically, you just get the vegetable oil -- actually

1 the HRC comes in five gal containers --

2 MR. QUINTANILLA: How many gallons did
3 you all put into that?

4 MR. BUELTER: I'll have to find that out.
5 I'll have to look in the report. I can get that
6 information for you.

7 MR. QUINTANILLA: How much?

8 MR. BEULTER: I'll have to get that
9 information for you for each of the sites.

10 MR. SILVAS: Can we put that as an action
11 item to find out?

12 MR. QUINTANILLA: I think it's about
13 \$400,000 worth; is that a good --

14 MR. BUELTER: Well, yeah. In the zone 5,
15 basically the three areas that we covered was \$600,000.

16 MS. HANNAPEL: I would like to say that I
17 resent tremendously being told let's deal with that
18 later when I ask a question that can't be answered, and
19 that's all I'll say. I'll wait until the question
20 period; okay? Thank you.

21 MR. QUINTANILLA: It's not productive.

22 MR. BUELTER: This is the base treatment.
23 We really tried to hit the source areas with this, just
24 to the higher contaminant areas, so that's what we did.

25 Next. Looking at some of what we've done

1 in three different areas, this first graph is a
2 monitoring well, the highest concentration well here
3 upon east Kelly. Primary initial concentrations of TCE
4 and DCE were, you know, near 1,000 micrograms per liter.
5 I'm sorry. I got the unit wrong. Vinyl chloride has
6 jumped occasionally up to probably about 20 micrograms
7 per liter.

8 We did our injection and towards the
9 latter part of 2002, we saw a drop off of the TCE and
10 DCE. Both of these are now well below the MCL for those
11 sites. We did have production of vinyl chloride to a
12 level that's around 170 micrograms per liter. It
13 started to come down. This is where the rate is a
14 little bit slower for the vinyl chloride, but it is
15 degrading. This isn't its highest concentration. If
16 there was no degradation going on, you do the
17 calculation of the chemistry.

18 Next.. This is, again, the highest
19 concentration well in this area here. Here the primary
20 initial constituent was PCE. The TCE has kind of
21 fluctuated on and off through time, and really no vinyl
22 chloride to speak off in past samples. This one we
23 injected again in the latter part of 2002. Saw
24 decreases in PCE concentration; TCE stayed about the
25 same. We started to develop vinyl chloride. This last

1 sample, both TCE and PCE, and I guess DCE, are below the
2 MCL. The vinyl chloride is about 20 micrograms per
3 liter, but it is also starting to decrease.

4 One more. On plume A, this is actually a
5 well that's a little bit further down from the source,
6 but it is an area where we put in some treatment. Here
7 again, the primary constituent was TCE and DCE. At this
8 site, we haven't seen any increase in vinyl chloride.
9 We did see a drop in TCE and DCE, but I mean, they're
10 slowly dropping, but not to the extent of the others.
11 One of the things -- that's why we want to go back in
12 and do some injection. The source material is a little
13 bit north of where we injected, and we want to go back
14 in and hit that area again. We expect to see further
15 degradation down gradient.

16 MR. QUINTANILLA: How much is it; five
17 parts per billion at that area, or what?

18 MR. BUELTER: Right now --

19 MR. QUINTANILLA: From March '05, the
20 last one there.

21 MR. BUELTER: Okay. Yeah. The TCE was
22 around 15 micrograms per liter, so it's still above the
23 MCL. We're not there yet, but we're considerably down
24 from the 1,400 we started with.

25 MR. QUINTANILLA: And that has taken you

1 three years, from June --

2 MR. BUELTER: We injected again, it would
3 have been around this September/December '02.

4 MR. QUINTANILLA: Every time you inject
5 it, it cost you 300 to \$400,000?

6 MR. BUELTER: It was -- that time we did
7 it one time and it was over a large area. When we go
8 back and do these small areas, we're really going to
9 target in on areas. It will be part of our regular
10 going in.

11 MR. SILVAS: Plume A falls in what zone?

12 MR. BUELTER: Zone 5 up here.

13 MS. HANNAPEL: What happens to the water
14 when it has not come down to a drinking water level,
15 when it's gone through this process; what other step is
16 taken to clean it up?

17 MR. BUELTER: Well, we're getting into
18 the other presentation. We constantly look at the data.
19 This is one of the reasons we're going back into this
20 area and doing a little bit more injection. It's an
21 active process. Some of the other areas appear to be
22 working better. We're not going to go back in there,
23 unless we need to. Down gradient -- further down
24 gradient here, we're still seeing decrease in
25 concentration of DCE.

1 MS. HANNAPEL: But it's still above?

2 MR. BUELTER: This area here is kind of
3 above. It's a little bit above here.

4 MS. HANNAPEL: So what I'm asking is when
5 it's above, what do you do to clean this again, after
6 it's gone through one procedure and that procedure has
7 not worked? What happens to that water?

8 MR. BUELTER: Down gradient from here, we
9 do have the permeable reactive barrier, which is down
10 gradient.

11 MS. HANNAPEL: Permeable reactive
12 barrier?

13 MR. BUELTER: Right here.

14 MS. HANNAPEL: So when it goes through
15 that, do you test it after that?

16 MR. BUELTER: Yeah.

17 MS. HANNAPEL: How do you test it?

18 MR. BUELTER: We take groundwater
19 compliance samples.

20 MS. HANNAPEL: How often?

21 MR. BUELTER: We've been sampling the
22 PRBs about every six months.

23 MS. HANNAPEL: We still don't have that
24 information yet; is that correct?

25 MR. BUELTER: Yes, you have it. Go to

1 the next chart. For zones 4 and 5, these are the PRB
2 systems. We talked about this one that's still in
3 construction of this one along UPRR. In your packets
4 you have all the data that's been collected, all these
5 five rounds, these two rounds, and the first round of
6 Commercial/Collingsworth as well as (inaudible).

7 Commercial/Collingsworth, first round we
8 collected in May of 2005 -- well, back up. I mean, in
9 any of the sampling rounds we've had here, we have vinyl
10 chloride. The DCE is pretty indicative of what was in
11 the area prior to the PRBs being put in.

12 Commercial/Collingsworth, that was a wall that was used
13 with the injection of iron, so we don't have any wells
14 within the wall, because the wall is only four inches
15 thick. I think this round, there's not much you can
16 make conclusion-wise on that; but it's a good baseline
17 for future bids. Hopefully those down gradient wells
18 will continue to decrease.

19 MR. MURRAH: While ago, somebody said
20 when we get this water to drinking water standards,
21 that's really kind of a misnomer, isn't it?

22 MR. BUELTER: Right. We have -- we're
23 required to clean to the standards set by the state,
24 which are the --

25 MR. MURRAH: For a chemical?

1 MR. BUELTER: For a chemical, right.

2 The --

3 MR. MURRAH: That doesn't mean the water
4 is drinkable.

5 MR. BUELTER: Right.

6 MR. MURRAH: I don't like that
7 terminology.

8 MR. QUINTANILLA: I thought it was
9 drinkable, supposed to restore it back to the way it
10 was.

11 MR. BUELTER: It's classified as
12 potential drinking water, but that doesn't mean if you
13 pump it out, that you don't need to do some sort of
14 treatment to make it drinkable.

15 MR. QUINTANILLA: How much more treatment
16 does it need?

17 MR. BUELTER: You would have to look at
18 how much solids are in there. I mean, there's sanitary
19 sewer lines, there's all kinds of --

20 MR. MURRAH: There might be 50 other
21 items in there that would be a problem.

22 MR. QUINTANILLA: Will Bexar Met's
23 filtering system work?

24 MR. MURRAH: The water they use is from a
25 different source. They can't use this water.

1 MR. QUINTANILLA: How come?

2 MR. MURRAH: It's not drinkable. Not
3 because of this.

4 MR. QUINTANILLA: Jesus.

5 MR. MURRAH: Not because of this base,
6 but because of other things.

7 MR. QUINTANILLA: Like what?

8 MR. BUELTER: Sanitary sewer lines.

9 MR. MURRAH: A lot of things. Back where
10 you live, it might have been a problem.

11 MR. QUINTANILLA: You're taking water
12 from pole-cat creek, and pole-cat creek has got sewage
13 dumping into it.

14 MR. BUELTER: Well, yeah. You need to do
15 some sort of treatment to it.

16 MR. QUINTANILLA: They're doing it at
17 Bexar Met.

18 MR. BUELTER: Yeah, but way down at the
19 Medina River.

20 MR. QUINTANILLA: I thought this could go
21 through the same filtration, and --

22 MS. POWER: I'm sure they could apply
23 -- there are filtration systems available to - I'm
24 sorry, Abbi Power - to make it drinking water quality;
25 but as it exists naturally in this shallow aquifer, it

1 has constituents, not only as Don mentioned sanitary
2 sewage, there's probably salts, there's probably high
3 iron content that the agency considers aesthetics. In
4 other words, it's not going to taste good.

5 MR. MURRAH: Those old oil wells that
6 they drilled around here at 400 feet deep is enough to
7 cause most of the problem.

8 MR. QUINTANILLA: There's (inaudible) I
9 know there. It's further south of there.

10 DR. SMITH: Mr. Silvas is trying to get
11 in.

12 MR. SILVAS: Yeah. I have a few
13 questions here. One, to begin with, are any of these
14 technologies, these PRBs, pump and treats, are they able
15 to deal with propellant, rocket propellant?

16 MR. BUELTER: We don't have propellant
17 here. PRBs, as with iron PRB, I doubt -- I'm not quite
18 sure on the chemistry on how they're treating for
19 chlorates.

20 MR. SILVAS: Well, Kelly handled rocket
21 fuel. It handled rockets. So you're not testing for
22 chlorates; is that correct?

23 MR. QUINTANILLA: That's right. We've
24 got a fuel system here, a fuel agency here that bought
25 all the rocket fuels for all the missiles throughout the

1 world.

2 MR. BUELTER: It's solid rocket fuel.

3 MR. QUINTANILLA: I beg your pardon, sir?

4 MR. BUELTER: It's solid rocket fuel is
5 what perchlorate is used for.

6 MR. QUINTANILLA: This was solid rocket
7 fuel.

8 MS. LANDEZ: But the fuels people that
9 were at Kelly were the managers --

10 MR. QUINTANILLA: Yes.

11 MS. LANDEZ: -- of the fuels. We never
12 had the fuels on the base.

13 MR. QUINTANILLA: Never did?

14 MS. LANDEZ: Hu-huh.

15 MR. QUINTANILLA: For the record, we
16 never had anything on the base?

17 MS. LANDEZ: Not to my knowledge, no.

18 MR. SILVAS: Okay. Secondly, going back
19 to east Kelly and the maintenance facility that you
20 mentioned earlier, what maintenance facility was that
21 you were talking about?

22 MR. BUELTER: It's an engine repair shop,
23 prior to them moving that over to building 360.

24 MR. QUINTANILLA: Now, that was the old
25 R4360 line.

1 MR. BUELTER: Okay. Thank you,
2 Mr. Quintanilla.

3 MR. QUINTANILLA: 28 cylinders per
4 engine. A lot of solvent was used to clean them up.

5 MR. BUELTER: I imagine. Mr. Garcia?

6 MR. GARCIA: One last question: As you
7 go round by round by round by like some that have had
8 five rounds, what's your opinion; is it getting better
9 with each round and more pollutants being removed in
10 each round, as you do the sample here?

11 MR. BUELTER: That's a good lead
12 question. I was just going to get to that. We probably
13 don't have, just because of the concentrations that were
14 there prior to this wall being installed, we see good
15 things within the wall on 34th street. We see basically
16 non-detects for all the chemicals concerned. A few more
17 samples, if you'll look on your thing, there's one
18 area -- one of those walls down gradient that has some
19 fairly high concentrations, 40, 50 micrograms per liter
20 of TCE. Future analysis shows they start to decrease.

21 This wall here, actually if look, it's
22 something we need to look at. The northern end of this
23 wall is doing what it's supposed to do. Down here at
24 the southern most area, we're not seeing the degradation
25 here that we should be seeing. Now, the concentrations

1 are relatively low, but even within the wall, we're not
2 seeing degradation. So that's something we need to look
3 at. The good thing is that the wells that we have off
4 base continue to be below our cleanup level and really
5 are near the background -- or near detection limits; but
6 we do need to -- there is a problem down here, and we
7 need to take a look at that. The data that we collect
8 is important in determining those.

9 MR. GARCIA: These PRBs are going to keep
10 working for another 20 or 30 years?

11 MR. BUELTER: Yeah. They've had pretty
12 good success in longevity in other areas. They're
13 lasting a lot longer than even some of the people that
14 initially installed them thought they would.

15 MR. GARCIA: So we're talking about 20
16 more years of service of these things?

17 MR. BUELTER: Yeah, for some of these,
18 maybe. This one you probably won't need that much
19 longer. These two are a little different.

20 MR. GARCIA: How many years?

21 MR. BUELTER: For off base east Kelly,
22 probably another in that area, ten years, plus or minus
23 a few years, based on our last modeling effort.

24 These -- 34th Street, there's what we think is an off
25 base source area. Unless it's addressed separately,

1 this one may have to be there a while. There may be a
2 similar case here for this one.

3 MS. GALVAN: Is this your question and
4 answer comment? Have you finished? I would like to ask
5 some questions.

6 MR. BUELTER: Yeah. Go ahead.

7 MS. GALVAN: On that first page, or the
8 second page of your presentation, it said public comment
9 opportunity on your Corrective Measures Implementation
10 WP. What does the WP acronym stand for.

11 MR. BUELTER: Okay. It's work plan.

12 MR. WEEGAR: Do you want me to answer
13 that?

14 MR. BUELTER: Yeah. Go ahead.

15 MR. WEEGAR: Mark Weegar, TCEQ. When
16 Kelly proposes a final cleanup plan for any of these
17 areas, they're required to present the Corrective
18 Measures Implementation Work Plan along with an
19 application to modify their Compliance Plan, and that's
20 a major modification that requires public comment -- a
21 public comment period; there's an opportunity for an
22 affected person to request a contested case hearing.
23 It's all part of our permit process.

24 MS. GALVAN: So If I'm the public - and I
25 lived there over 40 years - if I kept asking for what

1 your past air studies, soil vapor studies, you know,
2 emissions, because AHGSR recommends evaluating the
3 reported leukemia cases, then how do we get that done or
4 find out, you know, at the human risk assessment?

5 MR. WEEGAR: That would not be --

6 MS. GALVAN: That would not come under
7 here?

8 MR. WEEGAR: No. The only thing that the
9 public -- the CMI Work Plan comes in as part of the
10 permit mod. It will identify what Don has just gone
11 through, what are the proposed groundwater corrective
12 action processes. That is the only thing that is open
13 for public comment. Any comments that come in from the
14 public that are not related to what is specifically
15 contained in that mod, we would just respond. It's not
16 the subject of this compliance plan modification.

17 MS. GALVAN: Okay. And it said 10
18 million was the cost of Commercial Street -- the PRB at
19 Commercial Street and Malone. And I notice the
20 difference between the one -- the others that were in
21 zone 5, the PRBs at 34th Street and Building 1530. So
22 does this indicate that the contaminated plume is worse
23 in that area?

24 MR. BUELTER: No. These are -- the
25 length of the wall is longer than the others.

1 MS. GALVAN: Why the longer length?

2 MR. BUELTER: It's -- it's not so much
3 the concentration of the solvents, as the area that the
4 solvents -- the area that the solvents cover.

5 MS. GALVAN: Why weren't they the same
6 length as the one on Malone?

7 MR. BUELTER: The closer you get to the
8 source --

9 MS. GALVAN: Which means the source is
10 concentrated more --

11 MR. BUELTER: Right, they're more
12 concentrated --

13 MS. GALVAN: -- in that area of zone 4?

14 MR. LYSSY: Primarily, because the plume
15 is so far from the source area and it's tending to get
16 wider and spread out more. So you have a larger area --
17 or a larger volume that there's contaminated
18 groundwater.

19 MS. GALVAN: Down gradient?

20 MR. LYSSY: Down gradient, yes. So in
21 order to capture all of that, you're going to have to
22 have longer PRB. So if you look at what a couple of the
23 source areas are, you have a fairly small PRB, because
24 the actual plume is concentrated. As you get further
25 out, the plume is spread out, it's diffused and it's

1 getting less concentrated, more diluted. To capture all
2 of that, to bring things down to the MCL level, you have
3 to have a longer PRB.

4 MS. GALVAN: The only reason I'm asking
5 is that because as I walk block to block, door to door,
6 I notice more rashes and illnesses and cancers
7 throughout that area where I used to live, Commercial
8 and Division. So it's understandable now why I see all
9 this illness going on in the neighborhoods. Okay.
10 Thank you.

11 MR. QUINTANILLA: I need to ask this
12 question: These barriers are so long, but the plume is
13 bigger than that. It's just like placing a dam in the
14 middle of a lake.

15 MR. BUELTER: Actually, before we
16 determined the size of these, we went in and put in a
17 number of groundwater monitoring wells just so we could
18 collect groundwater samples. So we put the wall in an
19 area that exceeded that cleanup level, and there's gaps.
20 It's not a continuous --

21 MR. SILVAS: You don't have 100 percent
22 containment?

23 MR. BUELTER: No, we do of the area.
24 What we determined is at that location where the solvent
25 was flowing versus where it wasn't.

1 MR. QUINTANILLA: One last question.
2 Malone Street, the PRB there, what is the estimated cost
3 of that?

4 MR. BUELTER: I think the Commercial --
5 this is both of these together, because it was one
6 project.

7 MR. QUINTANILLA: That's both of them
8 together?

9 MR. BUELTER: Yeah. This was about
10 roughly six and a half million. This is probably about
11 four and a half.

12 MR. QUINTANILLA: Okay.

13 MS. HANNAPEL: What are the results of
14 the enhanced bioremediation at the Commercial Street
15 permeable reactive barrier and Malone? What are the
16 results we're seeing right now?

17 MR. BUELTER: Okay. Malone, the wall
18 isn't in yet, so we're not seeing anything there.

19 MS. HANNAPEL: Okay.

20 MR. BUELTER: The Commercial Street, we
21 took a sample in May, the wall really hadn't been
22 installed that long prior to that sample. I don't want
23 to make too much of up gradient wells in that data
24 package having higher concentration than down gradient,
25 because I don't think there's enough time there. I

1 think November, we might start getting a little better
2 information; but next May, it will probably be even
3 better.

4 MS. HANNAPEL: Okay. So what is done
5 with that water that's come through Malone?

6 MR. BUELTER: It's part of things that
7 are beyond the treatment system in the CMS is natural
8 attenuation.

9 MS. HANNAPEL: So you're just letting it
10 go?

11 MR. BUELTER: Yeah.

12 MR. QUINTANILLA: Let mother nature take
13 care of it.

14 MR. BUELTER: Right. It's not going to
15 do nothing. We're monitoring it to make sure it
16 remains --

17 MS. HANNAPEL: Will it have enhanced
18 bioremediation on 51?

19 MR. BUELTER: The source area here, the
20 TCE and DCE is below the cleanup level; the vinyl
21 chloride is now above.

22 MS. HANNAPEL: Now above?

23 MR. BUELTER: Yeah.

24 MS. HANNAPEL: So what are you doing
25 about that vinyl chloride?

1 MR. BUELTER: We're monitoring it. It's
2 not migrating beyond the source area.

3 MS. HANNAPEL: How do you know that?

4 MR. BUELTER: With the groundwater
5 samples that we collect.

6 MS. HANNAPEL: Okay. Where is that data?

7 MR. BUELTER: It's in the -- it will be
8 in the January Semi-annual Compliance Plan.

9 MS. HANNAPEL: How long have PRBs
10 actually been around? It's my understanding that
11 they've only been around for ten, maybe 15 years. So we
12 really don't know long-term; is that correct?

13 MS. GALVAN: You said there was a
14 history?

15 MR. BUELTER: First ones were early '90s
16 time frame. That's about right.

17 MS. HANNAPEL: So we really don't know
18 what they're going to do long-term?

19 MR. BUELTER: The sites that have had
20 them in since the early '90s, the down gradient portion
21 of it has done very well. Originally, when they were
22 constructing these, a lot of the people thought you
23 would need to go in and either add new iron or
24 regenerate the iron in seven to ten year periods, but
25 they're lasting a lot longer.

1 MS. GALVAN: Are there other bases using
2 this --

3 MR. BUELTER: Oh, yeah.

4 MS. GALVAN: At what state?

5 MR. BUELTER: Oklahoma, Texas, in our
6 region that I know of.

7 MS. GALVAN: The service ones?

8 MR. BUELTER: Yeah.

9 MR. LYSSY: Actually, we have PRBs in
10 almost every state, but like in 1992/93 is when the
11 studies first started coming out about using PRBs to
12 treat groundwater. Like Don said originally, we were
13 talking about maybe having to go and recharge the iron
14 every seven to ten years, because we didn't know; but it
15 looks like the iron is lasting longer than what we
16 thought it was going to last. Some of these walls have
17 been in since '92/'93 since the original case studies.
18 The first ones that went in, there were numerous studies
19 that were done where they had just monitoring well after
20 monitoring well, after monitoring well all along the
21 walls, just to see how they were going to act. They've
22 been very effective so far.

23 MS. HANNAPEL: Is there a source that we
24 can check all of these other areas?

25 MR. LYSSY: Go to EPA's website, and in

1 our search engine, type in PRB and you should have a
2 bunch of sites pop up.

3 MR. WEEGAR: ITRC has a PRB website.

4 MR. QUINTANILLA: You can also go to the
5 GAO and get their report for all the treatment of the D
6 and Es. PRBs are mentioned in there, and the pump and
7 treat is mentioned in there.

8 MS. GALVAN: Are you still using the same
9 engineers that first came?

10 MS. CODERRE: One at a time, please.

11 MS. GALVAN: Are you all still using the
12 same original contractor for the PRB?

13 MR. LYSSY: For EPA, we don't have a set
14 contractor. Most of the PRB work was done by the people
15 that caused the contamination, wherever they're looking
16 at the results, seeing the results and then doing the
17 studies to see how effective they are. So it's been a
18 series of different contractors, depending on the site
19 was that the PRB is installed.

20 MR. SILVAS: Where the contamination is
21 concerned of the shallow groundwater, what fines were
22 assessed, what penalties were assessed?

23 MR. BUELTER: Basically, the salt that
24 Kelly spilled was -- the enforcement was to stay with
25 the compliance plan.

1 MR. SILVAS: So the state never fined or
2 assessed any penalties for the underground water?

3 MR. WEEGAR: Mark Weegar, TCEQ. I think
4 if you look at the briefings that the Air Force has made
5 here over the however many years time, the cost and
6 remediation, the penalty they're paying, which is
7 cleaning up the environment, is much more significant
8 than what TCEQ would ever --

9 MR. SILVAS: The community is paying the
10 penalty, Mr. Weegar.

11 MR. WEEGAR: The community would have
12 paid the penalty as well.

13 MR. SILVAS: Taxpayer money.

14 MR. WEEGAR: Right. The point is there's
15 plenty more to do with the cleanup than they would have
16 been assessed an administrative penalties.

17 MR. SILVAS: Any way you look at it, they
18 weren't assessed any penalty. That's the point.

19 MR. WEEGAR: You know. You can make that
20 point.

21 MR. SILVAS: That's the point. So let's
22 drop the discussion.

23 DR. SMITH: Excuse me. Excuse me.
24 Mr. Weegar has the floor.

25 MR. WEEGAR: I understand your position.

1 I would make the argument though that the concern that
2 we have is cleaning up the environment, and the quicker
3 they get the environment cleaned up back to drinking
4 water standards, that's what we're charged with doing.
5 So we can argue whether penalties should have been
6 assessed or not. My focus on this is ensuring that
7 Kelly cleans up the soil and groundwater to the levels
8 that make the environment protective of the health and
9 the environment.

10 DR. SMITH: Excuse me. Now, Mr. Silvas.

11 MR. SILVAS: Yeah. Your record speaks
12 for itself, Mr. Weegar. The State hasn't fined any of
13 Kelly's pollution, except for the fish kill, perhaps;
14 and that was only due to the community outcry of that
15 fish kill. Penalties should have been assessed, and I
16 think that's something that should be considered in the
17 future. Besides the state dropped the ball on a number
18 of occasions on these cleanups, on base realignment and
19 closures. This is just one example.

20 DR. SMITH: Excuse me. This is a
21 question answer period on this particular presentation,
22 not a community comment period. Kind of stay with this.
23 We're 30 minutes past our agenda point already. I've
24 got a couple of questions, then I'm going to have to
25 give Don a break, so he can take a break before he goes

1 on to do 4 and 5.

2 MS. HANNAPEL: Back to this enhanced
3 bioremediation and the breathing, you say this source
4 from the Remediation Course at Princeton, is that
5 something that we can look at? What was the year on it?

6 MR. BUELTER: Actually, this is from
7 course material I took last year, 2004.

8 MS. HANNAPEL: Last what?

9 MR. BUELTER: Last year. It's the
10 Princeton Groundwater. It's actually water --

11 MS. HANNAPEL: Could we see that?

12 MR. BUELTER: Yeah. But if you go with
13 the -- basically, what is happening in this reaction is
14 you add vegetable oil and you generate hydrogen. So
15 have two hydrogen atoms bonded together. The
16 electrons -- those two electrons, the hydrogen will go
17 into and basically give this chlorine atom the eight
18 electrons it wants. It comes off the chloride ion.
19 That hydrogen connects, and you have a chloride ion and
20 a hydrogen proton ion as part of this reaction, if you
21 carry it out. That's why you get chloride as a source.
22 The PH will adjust, but a lot of PH is coming up. So
23 you're basically taking electrons from that hydrogen,
24 and you're putting them on this to give it its nice full
25 outer shell of electrons.

1 MS. HANNAPEL: And the breathing?

2 MR. BUELTER: Basically is that process;
3 it's that movement of electrons to that chloride.

4 MS. HANNAPEL: I would like to see a
5 source for that.

6 MR. BUELTER: Okay.

7 MS. HANNAPEL: When could you provide
8 that?

9 MR. BUELTER: I'll get it. Yeah,
10 Mr. Silvas?

11 MR. SILVAS: Where's your degree from?

12 MR. BUELTER: I have a Bachelors
13 degree --

14 MR. SILVAS: Just tell me what school.

15 MR. BUELTER: Colorado School of Mines
16 and Southern Illinois University.

17 MR. SILVAS: Thank you very much.

18 MS. HANNAPEL: And what is your degree
19 in?

20 MR. BUELTER: Pardon me?

21 MS. HANNAPEL: What is your degree in?

22 MR. BUELTER: Geology.

23 MS. HANNAPEL: Masters or --

24 MR. BUELTER: Both.

25 MS. HANNAPEL: You have a Masters in

1 geology?

2 MR. BUELTER: Yes.

3 MS. HANNAPEL: Any chemistry?

4 MR. BUELTER: I have some post Masters
5 work in geochemistry.

6 MS. HANNAPEL: Okay.

7 MS. CUNNINGHAM: I have just a real quick
8 question. Kyle Cunningham, San Antonio Metropolitan
9 Health District. You mentioned on 34th Street, there
10 were two methods that were used there. It was mainly
11 trenching, and there was a little bit of injection. Are
12 you seeing any differences?

13 MR. BUELTER: We really don't have
14 monitoring, I don't believe, set up for that injection
15 portion. It's a very small linear footage.

16 MS. CUNNINGHAM: You just mentioned a
17 couple of the wells that were not --

18 MR. BUELTER: Yeah. I'm not quite sure
19 where they are. I think it's more -- it's spotty along
20 34th. There's just one of those transectors initially.
21 Within the wall it's looking really good. It's down
22 gradient. I think the next couple of rounds will give
23 us an indication.

24 MS. CUNNINGHAM: Thank you.

25 DR. SMITH: Are we at a spot where we can

1 take five quick minutes, let the court reporter take a
2 break?

3 MR. PEREZ: Can I add something?

4 DR. SMITH: Sure.

5 MR. PEREZ: When you all do your
6 research, I spoke about this at one time or another, and
7 I did a lot of studying. Is that the stuff that's the
8 negative charge, the electron? I believe we spoke about
9 it. And there's a bonding electron. Now, when the free
10 electron takes off and you pull to -- you pull the bond
11 electron, it's supposed to be bonded. You pull it out,
12 it creates friction. That's when things burn, and so --
13 but by moving that bonded electron, you make changes and
14 I know this has something to do with this kind of
15 science. Of course, I would have to get more into it,
16 but it's because you get with the free electron and the
17 bond electron, they've got a negative charge both of
18 them. They're related, of course.

19 MR. BUELTER: That's why you need -- you
20 can't have the electrons running wild. That's why you
21 have to have an electron acceptor.

22 DR. SMITH: Okay. How about five
23 minutes? We really have to keep it short, guys.

24 (Five-minute Recess.)

25 DR. SMITH: If you all will settle in,

1 we'll go ahead and get started. Mr. Buelter is ready to
2 move on to the groundwater treatment plants, zones 2
3 through 5. He's had a minute to get a drink of water
4 and shift gears, so we'll begin the process.

5 MR. BUELTER: This was -- a couple of
6 things, not a whole lot to talk about the treatment
7 plants, but a lot of the slides, it's really why we have
8 the operations maintenance project that we program every
9 year, and a lot of this is backup material for exactly
10 what that project covers. But before we get there, we
11 have four groundwater treatment plants, and I'll start
12 on east Kelly, it's the simplest. It's located down
13 here in this corner. The water that's treated at that
14 plant is from these -- basically from the zone 4
15 horizontal wells and a couple of vertical recovery wells
16 here. So it's treating water that's collected from this
17 containment system on east Kelly.

18 And the process that's used there is very
19 simple. Water is taken from the wells, there's a
20 holding tank to kind of equalize flows and
21 concentrations located at the plant. The water is
22 treated with -- it's a combination. We inject a little
23 bit of hydrogen peroxide in the water, we use UV lights
24 and it breaks down the contaminants that are in the
25 water. At that point, the water is discharged to a

1 storm ditch that eventually works it's way to the San
2 Antonio River.

3 That plant operates at -- right now its
4 typical flows are 200 gallons a minute, and we are
5 actually looking -- I'll have some backup slides a
6 little later on that hydrogen peroxide ultra violent
7 light treatment, and one of the things we collect a lot
8 of data for each of these plants, that treatment process
9 is very expensive in chemical use, just physical items
10 and electricity. So we're currently looking at
11 converting our plants wholly to carbon absorption. The
12 concentrations are such that we think that will work.

13 Zone 4 is the most simple plant. The
14 oldest plant is down in zone 2, and it takes water from
15 site E-1, site H-3, and also the older recovery systems
16 on what's now Lackland Air Force Base. They were
17 installed in 1993/1994, were connected to the plant.
18 The cost of treatment of this water is supplied by
19 Lackland Air Force Base to us through our contractor who
20 operates the plant. So we treat that water as well down
21 here, as well as from collection trenches and recovery
22 wells at site S-4, a couple of recovery wells at site
23 S-8 and a couple of recovery wells at site MP. So all
24 that water goes down to the zone 2 treatment plant.

25 The process is pretty similar at east

1 Kelly. We started using some of the old infrastructure
2 of the waste water treatment plant that used to sit at
3 that site. So we use their large equalization basins.
4 The first process there is running the water through a
5 sand filter. This removes iron and manganese from the
6 water through absorption.

7 MR. MURRAH: Now, that water isn't
8 treated. It goes through that treatment plant, but that
9 water is not put in your drinking water system.

10 MR. BUELTER: No.

11 MR. MURRAH: That's what I want to
12 clarify.

13 MR. BUELTER: Right.

14 MR. QUINTANILLA: It is dumped into the
15 creeks?

16 MR. BUELTER: Yes. And from the sand
17 filter, water runs through, again, the UV oxidation
18 process with the ultraviolet light and the hydrogen
19 peroxide. At one point, those concentrations were a
20 little higher there. It ran through carbon absorption
21 and that water was discharged to Leon Creek. For a
22 while, while the golf course was still operating over
23 here, it was used for irrigation. Again, we're looking
24 at here of just going straight to the carbon filters,
25 rather than UV oxidation at that plant. Currently, we

1 treat about 250 gallons a minute of water through this
2 plant.

3 The last plant is up here at site S-1.
4 The only groundwater that's treated at this plant is
5 from site S-1, about ten gallons a minute. There's not
6 much water produced up there. It's a little more
7 complicated process. There's an oil/water separator.
8 There's occasionally some free phase oil that floats on
9 the water there that gets picked up in the groundwater
10 recovery wells. It needs to be separated out before it
11 goes into treatment, goes into a holding tank. There's
12 a smaller sand filter there initial treatment. With the
13 high concentration of iron and manganese in the
14 groundwater in this area up here, we run the water
15 through a -- it's a material called green sand, and it's
16 basically a potassium manganite injection to oxidize the
17 manganese in that area, and it will basically come out
18 in a solution within that sand filter. From there it
19 goes to a UV/ox treatment and then carbon.

20 We were looking at these plants as far as
21 removing the carbon. We didn't even think
22 about removing the UV/ox from these two plants, we
23 didn't even think about the zone 5. Then we started
24 looking at some of the data that we were collecting, and
25 by adding this potassium manganite, we're actually --

1 that oxidizes the chlorobenzine that's in the
2 groundwater. So we're getting treatment of that that we
3 weren't expecting. So we really don't need that UV
4 oxidation to treat the chlorobenzine, and the carbon
5 will probably take care of that. We'll probably reduce
6 all of those. I'll show you some numbers a little later
7 on why that's a good thing.

8 Again, this is a series of charts that --
9 and I think Adam briefed at the last RAB meeting,
10 there's a project on that list that shows up every year
11 that's Operations and Maintenance, and it's roughly, you
12 know, five, \$6 million a year, depending on the year,
13 and I just quickly wanted to go through some things that
14 make up that scope. There's scheduled O&M, and this is
15 things that we know are going to happen. It's your
16 basic site works. We're going to take samples, any sort
17 of work plans is tied in here, and that's pretty much a
18 fixed price year to year.

19 Unscheduled O&M, if we had planned for a
20 system upgrade, maybe we want to convert east Kelly from
21 UV oxidation to carbon filters, that's where this would
22 come into play. Upgrades of control systems, everything
23 is run by computers, any sort of unscheduled
24 maintenance. A few years ago we had one of our power
25 poles got hit by lightning and blew out one of our

1 control panels. This is how that would be repaired is
2 through that unscheduled cost.

3 There's a little bit of building and
4 grounds maintenance. These buildings are AFRPA
5 property, they're not GKDA; and Lackland Air Force Base
6 supplies services for costs, just for typical building
7 maintenance, air conditioning, that kind of thing, if
8 something needs repaired.

9 The last item here is optimization and
10 this is basically looking at the different types of
11 systems that we have in place and can we make them
12 better. Can we clean up quicker; can we do the same
13 thing but do it cheaper, that kind of thing. That's
14 also built in there.

15 MR. QUINTANILLA: Have you tied money to
16 those items, how much it cost to do each one of those
17 items?

18 MR. BUELTER: We have that kind of there,
19 but we tend to use different contractors for some of
20 this. This is a contract that hasn't been let, so we
21 can't really get that information. We can get the
22 general cost of the total project, but the individual
23 pieces, we can't do that.

24 MR. QUINTANILLA: Let's say for 2003 or
25 2004, would you have that broken down?

1 MR. BUELTER: Yeah.

2 MR. QUINTANILLA: I'd like to have a copy
3 of that.

4 MR. BUELTER: Yeah. The last few years
5 it should follow these same items. This is the cheapest
6 part, I can tell you that much.

7 Okay. Next. Again, I kind of talked on
8 this. This is just the scheduled kind of things that we
9 do. It's routine work that you're going to do, you know
10 what the scope is from year to year.

11 Next. These are kind of some of the
12 things that the operators at the plant look for, you
13 know, inspections for leaks, are the pumps working the
14 way they're supposed to, is the piping leaking, flow
15 meters working. The leaks are obviously important.
16 That would be more of a daily inspection. The flow
17 meters may be a monthly or semi-annual, depending on how
18 critical we think that is.

19 Next. Per just various aspects, this
20 first bid required sampling that we do this In-Situ
21 respiration test. These aren't groundwater, this is
22 actually a soil test. We go in the project and it's for
23 two of the regulated units, and this requirement is part
24 of the closure plan for the site. So it's a regulatory
25 requirement.

1 We have discharge permits for -- gosh,
2 let me get my plants correct. I know this is the zone 2
3 plant, I believe this is the zone 4 plant, and this is
4 the zone 5. Numbers don't -- and then they're different
5 from when the base was active, and we have a whole bunch
6 of other things. But we do monthly sampling for
7 solvents, and I believe we gave that list at one of the
8 R5s earlier this year as to what we sampled for.

9 The soil sampling is required if we take
10 the treated groundwater and apply it at the golf course.
11 Like when we were doing that, we would have to go out
12 and take a couple of soil samples. It's part of the
13 state rules for reuse of industrial waste waters. And
14 it's pretty minor, but it's something that we have to do
15 per the --

16 MR. QUINTANILLA: Approximately how much
17 were you using for irrigation of the treated water, how
18 many gallons out of that million gallons per day you
19 were treating?

20 MR. BUELTER: Well, I don't think we ever
21 got quite that high with the groundwater; but I think
22 they could do about half a million gallons a day.

23 MR. QUINTANILLA: Every day you would use
24 a half a million?

25 MR. BUELTER: Oh, yeah. Golf course

1 irrigation, if you really want it to be lush, would
2 probably take about 2 million gallons per day. That's
3 why golf courses are such big water users.

4 MR. WEEGAR: Your irrigation permit
5 should identify -- there would be a limit of the water
6 that you put down. I don't think it's anywhere close to
7 that much water. It's typically somewhere around two
8 inches per month.

9 MR. BUELTER: I think our max was four or
10 500,000 gallons a day for the gulf course. They would
11 supplement it with average water, if they needed it.

12 MR. QUINTANILLA: That sounds more
13 reasonable.

14 MR. BUELTER: Yeah. Again, things that
15 are important as far as when we want to optimize systems
16 are samples that are taken internally of the process,
17 sampling recovery wells. There is some wells on east
18 Kelly that basically were pumping water that had no
19 detection of solvents. There's no point in continuing
20 to send that water to the plant. So those are important
21 things to look at. Internal sampling from process to
22 process is really important to make sure that your
23 treatment systems are doing what you expect them to do.
24 Yes, sir?

25 MR. QUINTANILLA: On the last slide, you

1 mentioned 48 samples; on this one you mentioned 800
2 samples taken each year. The last slide was 48. What
3 is your average cost per sample?

4 MR. BUELTER: I'll have to look that up.
5 This is the requirement -- there's a little bit higher
6 regulatory requirement on that previous chart than
7 these. These are --

8 MR. MURRAH: When you talk about sample,
9 what the cost is, now is he talking about just taking it
10 or analyzing it in the lab; or are you talking about the
11 complete cost?

12 MR. QUINTANILLA: The complete cost.

13 MR. BUELTER: Yeah. I mean, the taking
14 of the sample is pretty much built in as labor. It
15 doesn't cost us any more.

16 MR. QUINTANILLA: It's the lab work and
17 the other stuff that goes with it?

18 MR. MURRAH: What do they expect it to
19 cost; about \$50 a sample?

20 MR. BUELTER: Yeah. It doesn't cost that
21 much. They're on site, our workers taking samples. So
22 it's just part of their -- the lab cost, depending on
23 the analysis, they aren't that extensive, but we have
24 that cost, Mr. Quintanilla.

25 Next. This is just what the operators

1 do, the routine things, just out there making sure that
2 things are working right.

3 Next. There are two numbers given on
4 this chart. This number on the left is kind of where we
5 are right now, our typical groundwater flow. This
6 number here is the maximum that that treatment system
7 can do. So the maximum amount of water we could do at
8 the zone 2 treatment plant is 1,000 gallons a minute.
9 We get above that, the plant won't operate -- actually,
10 we can't pump enough water to get that high. So this is
11 the max; this is about where we're operating. So right
12 now you add these up, we're doing about 460 gallons a
13 minute base wide, which is this 242 million gallons of
14 water each year.

15 MR. QUINTANILLA: You're going to
16 continue this for ten more years, approximately?

17 MR. BUELTER: It depends on the site.

18 MR. QUINTANILLA: See, I have a report
19 from your office that says that you've already extracted
20 3 billion gallons. If you're going to do ten more years
21 at 242 million gallons a year, that's going to be
22 2,420,000 gallons more or seven billion. That's a lot
23 of water that's being wasted.

24 MR. BUELTER: Well, a number of these
25 systems' water fills Leon Creek with water. I mean, the

1 natural discharge point is to Leon Creek.

2 MR. QUINTANILLA: Why can't you put it
3 back into the ground?

4 MR. BUELTER: We tried that back in the
5 early '90s.

6 MR. QUINTANILLA: You can put iron back
7 into the ground, you can put vegetable oil back into the
8 ground; but you can't put water back into the ground?

9 MR. BUELTER: Not at the rates here.

10 MR. QUINTANILLA: That doesn't sound
11 logical to me. I think you've got a lot of waste there.

12 MR. BUELTER: Water in a riverway is not
13 wasted water.

14 MR. QUINTANILLA: It is wasted dollars.

15 MR. MURRAH: What about the water that's
16 needed down at the gulf?

17 MR. QUINTANILLA: It is wasted dollars to
18 clean it up to a point and then throw it away. That's
19 waste of our tax dollars, and the people should not
20 tolerate that. The Air Force should not be doing this.
21 Of course, you're not the Air Force.

22 MR. BUELTER: Next slide. One of the
23 reasons to kind of look at an alternative treatment to
24 the UV ultraviolet with the hydrogen peroxide, and this
25 is a pretty good use. We use about 51 bulbs a year.

1 They're not cheap. That's \$127,000 a year just for
2 bulbs. The hydrogen peroxide, that's just over \$50,000
3 a year, plus the electrical that goes with that. So
4 we're really wanting to get to the granulated carbon as
5 quick as we can to eliminate this cost. The balance is
6 we may have to change the carbon a little more
7 frequently than we do now; but that costs a lot less
8 than this operation.

9 MR. SILVAS: On those there, is there
10 something that you may lose or gain by trading it off
11 for one another?

12 MR. BUELTER: No, not really. We'll get
13 to the same discharge points that we get to now.

14 MR. WEEGAR: Instead of just carbon, have
15 you looked at all at doing air stripping?

16 MR. BUELTER: We did, but some of our
17 past experience at Kelly with air strippers has been
18 pretty intensive labor. It's a little cheaper on just
19 operation, but our operators found it to be a real pain
20 in the rear. They tend to foul up pretty easily, then
21 you have to clean it.

22 Next. We do a number of internal
23 reports, again, just to make sure that things are
24 working within the plant, recommendations for
25 optimization are in these. This document assessment, if

1 at any time we have a system, whether it be a soil vapor
2 extraction, PRB or groundwater extraction system, we
3 make sure the people who operate our plant takes a look
4 at those and make sure they're compatible, especially
5 with the electronics with our treatment plant, and they
6 have a lot of experience to pick things up in the design
7 that just isn't going to work. So they're really good
8 at reviewing these and catching some things before we go
9 out for bid and build something incorrect.

10 Next. Unscheduled, some of these are --
11 I mean, they're unplanned in a sense; some of them are
12 planned. Clearly though major system upgrade will
13 increase that figure a little bit, when we plan for it.
14 Part of the reason we separate this is we may want to
15 have a second contractor come in and install something,
16 rather than the person who's doing the plant. Control
17 upgrades, again, everything is done by computers, so you
18 need to keep up with computers. When lightning fries
19 out one of your panels, you need to get somebody out
20 there.

21 Unscheduled maintenance, that's kind of
22 where that would fit; but that would be if we need to
23 repair a pipeline, a pipe breaks, there's a spill
24 response that we do.

25 The digging permit is pretty minor, so

1 that our pipes don't get cut into. When somebody on
2 Kelly USA has a project, they run that through and make
3 sure that they're not going to be digging where one of
4 our systems are in place.

5 Next. Some of the upgrades, I think the
6 pressure test is something we do pretty routinely, but
7 we'll look and see if the lines need to be clean.
8 There's a lot of iron, as Abbi mentioned, in this
9 groundwater, and it starts to plug your pipes. So to
10 get maximum efficiency, we need to come in and clean
11 those every once in a while, making sure that the
12 recovery wells are working to capacity. Sometimes we
13 have to go clean those.

14 MR. MURRAH: Something I noticed in that,
15 what are you talking about a well capacity loss?

16 MR. BUELTER: Oh, here?

17 MR. MURRAH: Yeah.

18 MR. BUELTER: If we had a well put in and
19 say we could pump 20 gallons per minute, and all of a
20 sudden we're only getting 12 gallons a minute out of
21 that, we'll investigate to see if it's the pump, or if
22 it's something to do with the well screen. It's just
23 not pumping as much water.

24 MR. MURRAH: You all don't keep a log
25 on --

1 MR. BUELTER: Yeah, they do. They do.

2 And that's --

3 MR. MURRAH: -- static level of the well,
4 that kind of stuff?

5 MR. BUELTER: Not so much on static
6 level, because a lot of our areas are not continual
7 pump. They're drain off when there's high/low levels,
8 and they'll switch on and off. So the static is a
9 little more difficult; but you get an average over time.
10 and you can tell when something is not producing as, you
11 know --

12 Next. Again, this is just more control
13 upgrade. Next. The spill response, this is for AFRPA,
14 it's not for greater Kelly or Kelly USA. We have the
15 process in place pretty much that our project manager,
16 who kind of oversees the plant, is the Air Force person
17 that will call the TCEQ Regional Office if we have a
18 line break or some other equipment that spills. They do
19 all the documentation, containment. If we need to do
20 some sampling, they'll do that also.

21 MR. QUINTANILLA: How did that work when
22 you had that water spill in October that killed the
23 fish?

24 MR. BUELTER: Since that was a
25 construction contractor --

1 MR. QUINTANILLA: So you all didn't
2 participate?

3 MR. BUELTER: We did in a sense. Our
4 person -- these people that run the plant didn't
5 participate so much as our project person who handles
6 the spill response was with that contractor to find the
7 source and made the notification to the state and did
8 the follow ups with the state. But that contractor was
9 responsible for any cleanup, and that was their cost.

10 MR. QUINTANILLA: I understand he's been
11 fined, or the Air Force?

12 MR. BUELTER: The Air Force has been
13 fined \$4,500.

14 MR. QUINTANILLA: And the status of that?

15 MR. BUELTER: We received it or --

16 MS. LANDEZ: Our legal folks are
17 reviewing it.

18 MR. QUINTANILLA: The legal what?

19 MR. BUELTER: The legal people are
20 looking at it.

21 MR. QUINTANILLA: The legal people are
22 looking at it?

23 MR. BUELTER: But we will likely pay
24 that. We have to run everything through the lawyers.
25 So this is -- fortunately we don't have -- this isn't a

1 real large cost year to year. We did pretty good. Part
2 of that digging permit cost helps here, because
3 otherwise somebody gets a backhoe and the next thing you
4 know, you have a water spill.

5 Next. This just shows some of the
6 buildings. We have a number of facilities that we own.
7 They're not greater Kelly's, so the maintenance here,
8 again, comes from Lackland for the routine maintenance.

9 MR. WEEGAR: You're talking about
10 painting and mowing and whatever needs to be --

11 MR. BUELTER: It's like if you were
12 renting space in a building and you needed an air
13 conditioner fixed; we would call Lackland, and they
14 would come over and repair that or we pay them to do
15 that.

16 MR. QUINTANILLA: But those are your
17 buildings?

18 MR. BUELTER: Yeah.

19 MR. QUINTANILLA: AFRPA buildings, and
20 you're responsible for those?

21 MR. BUELTER: Yeah. This is the zone 5,
22 zone 4. Most of these 600 are all located -- they're
23 pretty much one facility, but they have different
24 building numbers.

25 MR. QUINTANILLA: You have three ground

1 water treatment plants; is that correct?

2 MR. BUELTER: Yeah. Well, these 600 are
3 pretty much zone 2 ground water treatment plant, and
4 then the zone 4 and zone 5.

5 MR. QUINTANILLA: What does it cost for
6 each treatment plant per year for treating water?

7 MR. BUELTER: I think we can come up with
8 that.

9 MR. QUINTANILLA: All right. Please.

10 MR. MURRAH: Is that the total number of
11 acres that are still under you all's control.

12 MR. BUELTER: Yeah. The property's
13 leased, but we -- I can't think of the legal word we use
14 for that.

15 MR. QUINTANILLA: Lease back.

16 MR. BUELTER: It's not lease back either.
17 We have 100 percent access rights, or something like
18 that.

19 MR. MURRAH: In other words, the two or
20 3,000 acres of the base that the city has aren't
21 included in that acreage?

22 MR. WEEGAR: That's not acres there.

23 MR. BUELTER: This up here is.

24 MR. QUINTANILLA: 26 acres.

25 MR. BUELTER: Like I said, it's part of

1 the BRAC action. We just -- it's leased to the city
2 right now, but we maintain control of that 26.5 acres.

3 MR. GARCIA: So these treatment
4 facilities, all different functions are all inside those
5 buildings?

6 MR. BUELTER: Yeah. And some of these we
7 took from the former base. Building 621 used to be the
8 office area for the industrial waste water treatment
9 plant.

10 MR. QUINTANILLA: I've been on a couple
11 of tours, but I have never been to the groundwater
12 treatment plant in building 3837 or in building 1584.
13 I've never seen the operation there.

14 MR. GARCIA: Where are they?

15 MR. BUELTER: Yeah. You can schedule a
16 time, and we'll be glad to take you around. They're not
17 as exciting as this, but they're clean.

18 MR. QUINTANILLA: It's good to know where
19 the contaminated site is, and where a treatment plant
20 is. It gives you --

21 MR. BUELTER: Yeah.

22 MR. QUINTANILLA: -- the ability to
23 discuss things with you.

24 MR. BUELTER: Yeah. And Zone 4 is coming
25 down in this area, in this corner. I can't locate where

1 the old gate is, but somewhere --

2 MR. QUINTANILLA: 3800 area.

3 MR. BUELTER: Yeah. Down in here. And
4 zone 5 is up here adjacent to where the fuel yard was up
5 here.

6 MR. QUINTANILLA: I've been in the fuel
7 yard, but it's no longer a fuel yard.

8 MR. BUELTER: Right. This plant here is
9 relative -- time flies, but it's been probably
10 2002/2003. It's the newest of the three.

11 MR. MURRAH: I'm still a little confused.
12 That 26 acres, is it all in one place?

13 MR. BUELTER: No, it's scattered across.
14 Most of it is down here. Each of these, like the
15 groundwater treatment plants in zone 4 and zone 5 --

16 MR. MURRAH: In other words, it's just
17 the area around these buildings?

18 MR. BUELTER: It's a little bit of both,
19 because part of what's included in here is like the site
20 E-3 soil vapor extraction, site S-8 and site S-1, the
21 fenced areas. We had those fenced in, and we determined
22 it's probably better for us to do the ground maintenance
23 and mowing, because we know where the wells are. It's
24 just easier that way.

25 MR. QUINTANILLA: You're talking about a

1 project staff. How big is your staff there for AFRPA?

2 MR. BUELTER: AFRPA? We have -- I
3 believe currently there are -- I don't know. I think
4 there are 12 Air Force environmental folks. We have no
5 real estate right now. It's relatively -- I mean, 15,
6 20 people.

7 MR. QUINTANILLA: Total civilians?

8 MR. BUELTER: Yeah.

9 MR. QUINTANILLA: Including the one that
10 you have there in the --

11 MR. BUELTER: Yeah. We have one person
12 who manages this project. That's his main
13 responsibility.

14 MR. QUINTANILLA: So you've got about 20
15 or 30 people total?

16 MR. BUELTER: We have some contract
17 support, but he's not doing this himself. I don't know
18 right offhand how many FFTAs we pay for down there.
19 It's probably four or five.

20 DR. SMITH: Are we there?

21 MR. BUELTER: One more. This is just
22 kind of going -- don't worry about the type A, type B.
23 Type A is kind of a year to year -- is what can we do
24 kind of quick things, and really it's to anything that
25 we can do to either speed a process, even if it's the

1 same result, but we can do it cheaper, that's what we
2 want to do.

3 This FY03, there was a team that came in
4 to kind of look at our systems, made a bunch of
5 recommendations, and that's when we started looking at
6 the UV/ox conversion to carbon is one of those, plus
7 some other things that we pretty well implemented what
8 we could, and that's the last one.

9 MR. QUINTANILLA: Good presentation.

10 MR. GARCIA: How long are they going to
11 operate?

12 MR. BUELTER: As long as we need to.

13 MR. GARCIA: It's an open deal, you don't
14 have an estimate? I'm just curious.

15 MR. BUELTER: Yeah. One of the
16 problems -- one of the things is the east Kelly plant
17 probably within ten years, we won't need it anymore.
18 Zone 5, probably about the same. The zone 2, we have
19 two things happening there; one is with Lackland. As
20 Norma mentioned, they're doing some new things with
21 collection trenches. We may turn that over to them
22 eventually, because, you know, we may have a couple of
23 little sites in zone 2 and 3 that don't need this big
24 plant anymore. So we may start looking for something a
25 little smaller that we can sit on the side.

1 MR. MURRAH: Wouldn't that be based on
2 the cleanliness of that particular site?

3 MR. BUELTER: Yeah. You have to look at
4 each system will have a little different time frame.

5 MR. MURRAH: Each year you check it, and
6 when it gets to whatever point --

7 MR. BUELTER: Yeah. There's criteria
8 within the Compliance Manual of the state. Zone 2, 3 is
9 probably closer to 15 to 20 years. The others are
10 probably closer to ten.

11 MR. QUINTANILLA: That's part of the
12 monitoring system, including that 20 to 30 years?

13 MR. BUELTER: Yeah.

14 MR. QUINTANILLA: 20 to 30 more years.

15 MR. SILVAS: That's an understatement.

16 DR. SMITH: Mr. Garcia, did you --

17 MR. GARCIA: Are any of these three
18 plants catching anything from Leon Creek?

19 MR. BUELTER: No.

20 MR. WEEGAR: Well, the remediation
21 systems are actually preventing contaminated groundwater
22 from going into Leon Creek. That's what some of the
23 zone 2 -- they're designed to prevent the groundwater
24 from getting to Leon Creek, so it's being pumped out and
25 sent to those --

1 MR. GARCIA: None of the polluted stuff
2 in Leon Creek is going into these plants?

3 MR. BUELTER: No. No.

4 MR. QUINTANILLA: It's the other way
5 around. Oh, I'm sorry. Go ahead.

6 DR. SMITH: Excuse me. Ms. Hannapel has
7 been trying to get in back there.

8 MS. HANNAPEL: You talked a lot about all
9 these plants and all the millions of dollars that are
10 being spent. Is there a document which legally mandates
11 the Air Force to deal with the health and economic
12 well-being of the people that have been affected?

13 MR. BUELTER: We -- our environmental
14 work is based on what's in the compliance plan permit
15 that we have with the state. It's a remediation of
16 shallow groundwater.

17 MS. HANNAPEL: But specifically for the
18 health and --

19 MR. BUELTER: There's no legal document.

20 MS. HANNAPEL: There's no legal document
21 for that?

22 MR. BUELTER: No.

23 MR. QUINTANILLA: None whatsoever.

24 DR. SMITH: Back to you, sir.

25 MR. QUINTANILLA: Yes. You mentioned

1 Leon Creek. There's sediment in Leon Creek that's got
2 PCB, because that's where the fish are getting the PCBs
3 from. What is being done to clean that up? Do you know
4 anything about that, the sediment?

5 MS. POWER: I don't know anything about
6 it.

7 MR. QUINTANILLA: How about the other
8 lady, Ms. Landez? The sediment that's in Leon Creek
9 where the fish are getting the PCBs from, what is being
10 done to clean up that sediment?

11 MR. WEEGAR: Mark Weegar, TCEQ. Leon
12 Creek is being evaluated, and all contaminants,
13 including PCBs are being evaluated in the Ecological
14 Risk Assessment, and they are evaluating the chemicals.
15 If there are chemicals in the sediment, what have you,
16 that represent an unacceptable risk to ecological
17 organisms, fish or whatever, that will be something that
18 will have to be addressed in the remediation of the
19 site. It doesn't appear, based on the evaluation of the
20 Ecological Risk Assessment that there's going to have to
21 be anything done with those sediments at this point.
22 The Tier 2/3 final report has just come in and is going
23 to be reviewed over the next few months by our
24 ecological risk assessors.

25 MR. QUINTANILLA: You're on top of this?

1 MR. WEEGAR: Absolutely.

2 MR. QUINTANILLA: Good.

3 MR. WEEGAR: Would you doubt that?

4 MR. QUINTANILLA: You're on top of it.

5 I'm not worried.

6 MS. HANNAPEL: What about the Texas
7 Department of Health document that came out last year
8 talking about Leon Creek and saying that there was
9 evidence of PCBs and chlorinated solvents at an elevated
10 level?

11 MR. BUELTER: They --

12 MS. HANNAPEL: You know, above --

13 MR. BUELTER: They suggested a fish
14 advisory be on portions of Leon Creek.

15 MS. HANNAPEL: That doesn't take care of
16 the source.

17 MR. BUELTER: Through our investigation,
18 we don't know if there is groundwater soil contaminating
19 from Kelly and former Kelly. There's not likely to be
20 PCBs in soil or groundwater.

21 MS. POWER: Don, may I also point out
22 that that report does not identify a source for the PCBs
23 that were determined to be affecting the fish.

24 MS. HANNAPEL: No, it does not;
25 however -- and I don't have that with me, but on page 8

1 there is a paragraph that says it is very interesting
2 that these chemicals are at the level of the Kelly golf
3 course, where the groundwater from Kelly is dumped.

4 MR. BUELTER: I think they may have been
5 referring to the solvent. The PCBs, if you look at the
6 sediment, there's --

7 MS. HANNAPEL: No, they mentioned both.

8 MR. BUELTER: Yeah, I know they looked at
9 both; but as far as groundwater, there is not PCBs
10 detected in shallow groundwater.

11 MR. QUINTANILLA: There was a site at one
12 time, D-10 I believe it was on the golf course, that had
13 PCBs.

14 MR. GARCIA: It's in the HDR report. I
15 still have that, as well as the radioactive materials
16 that were mentioned in that report that were never dug
17 up.

18 MR. BUELTER: Yeah, they were.

19 MR. GARCIA: They were?

20 MR. BUELTER: Yeah.

21 MR. GARCIA: Carcasses and all that
22 stuff?

23 MR. BUELTER: Yeah. All the carcasses,
24 no; but the concrete encasements were removed and all
25 the contents within them.

1 MS. LANDEZ: The radioactive waste in
2 RD-1 was removed and disposed of.

3 MR. GARCIA: Encapsulated or removed?

4 MR. BUELTER: Removed. They dug it up
5 and hauled it wherever.

6 MR. GARCIA: One more question. In lieu
7 of what she said about Leon Creek, is there going to be
8 a further investigation for some of these chemicals that
9 she mentioned, and who's going to do it?

10 MR. BUELTER: Well, that's -- we
11 submitted our Ecological Risk Assessment to the state.
12 It's under their review right now.

13 MR. GARCIA: Did you mention that there's
14 some possible danger from TCE, or something? Did you
15 find that at Leon Creek?

16 MR. BUELTER: We looked at all past
17 sediment surface water and groundwater as part of that
18 evaluation in that report, and we're working through to
19 see if there are potential hazards to ecological
20 systems, and we found that there isn't a change to
21 background concentrations.

22 MR. GARCIA: Is there a plan already that
23 he has to clean it up? Because if you go like under 90,
24 you look to see there's signs in there about the
25 contaminated fish, and there's signs further down and

1 all of that. Is anybody working to clean all of that
2 up?

3 DR. SMITH: Mr. Weegar?

4 MR. WEEGAR: Again, the Ecological Risk
5 Assessment was just submitted to TCEQ, EPA and the
6 National Resource Trustee Agencies, which are General
7 land Office, Parks and Wildlife; and they will evaluate
8 that final report and its recommendations, and they'll
9 make a determination as to whether or not there are
10 chemicals in Leon Creek surface water sediments, what
11 have you, that require some level of remediation or not.
12 So that -- we're not to the point where there's been a
13 determination made whether or not anything needs to be
14 done with Leon Creek at this point. That will be
15 sometime -- our comments will be sometime probably early
16 to mid November is the time line I've been given by the
17 ecological risk assessors.

18 MR. MURRAH: When you talk about Leon
19 Creek, what are you all talking about; from Boerne this
20 way, or --

21 MR. BUELTER: No.

22 MR. WEEGAR: No. Only the part of Leon
23 Creek that Kelly Air Force Base possibly could have
24 impacted. Kelly is not responsible for what other
25 entities may have discharged to that creek upstream.

1 MR. MURRAH: I mean, stuff that's coming
2 in there now, that came from --

3 MR. GARCIA: Camp Bullis.

4 MR. MURRAH: Camp Bullis or somewhere.

5 MR. BUELTER: There's a background
6 reference --

7 MR. MURRAH: When is that determination
8 going to be made?

9 MR. WEEGAR: They take measurements at
10 the Highway 90 bridge, Highway 90 and Leon Creek. So
11 anything that is at that location, whatever those
12 chemicals are, whatever the concentrations are,
13 everything that is measured downstream from there, on
14 the portion that runs between Kelly and Lackland is
15 compared back against those concentration at Highway 90;
16 and only if those concentrations would be higher than
17 what they are at Highway 90, would that indicate that
18 there was some impact to the creek from Kelly or
19 Lackland Air Force Base. That is, the Highway 90
20 location is kind of -- that's the performance standard
21 that the rest of the creek through the Lackland/Kelly
22 reach is evaluated against.

23 MR. MURRAH: But you never go above there
24 to see if something else might be causing something?

25 MS. POWER: The State has a regular

1 monitoring plan of all the surface water bodies in the
2 state, and there are a variety of locations. I can't
3 tell you exactly where those locations are on Leon
4 Creek, but there are several.

5 MR. BUELTER: The San Antonio River
6 Authority, they're looking at kind of a San Antonio
7 River Basin study primarily because of the PCBs, and
8 look to see if it's in other water bodies or other
9 locations in Leon Creek as well.

10 MR. WEEGAR: The point is the Compliance
11 Plan and the permit has required Kelly for years to
12 sample the surface water, the sediments, the
13 groundwater, all those kind of potential discharging
14 units for the areas of Leon Creek, to evaluate what
15 Kelly has done, or potentially done to the creek. So
16 whether or not there's something upstream that's
17 impacting Kelly, there are programs to evaluate that
18 throughout the state, as Abbi said; but as far as what
19 Kelly is responsible for, it's only to assess what
20 potential contributions their activities have done to
21 the creek, and that's only the level that they would be
22 required to clean up if, in fact, it's required at all.

23 MR. SILVAS: I've got a question
24 regarding one of the TCEQ letters that came out that
25 changed the status of Kelly to a waste generator.

1 MS. POWER: It's always been a waste
2 generator. That's not a status change.

3 MR. SILVAS: There was a letter just
4 recently put out that changed that; said it changed its
5 status.

6 MR. WEEGAR: Have you got a copy of the
7 letter? I don't know what you're talking about.

8 MR. SILVAS: Yeah, I'll get a copy.

9 MS. HANNAPEL: Okay. In the evaluation
10 that you're going to be doing, will you take into
11 consideration the TDH report on Leon Creek?

12 MR. WEEGAR: I believe there was some
13 discussion of what was found in the fish tissue sampling
14 that was done; but again, what is being evaluated in the
15 Ecological Risk Assessment is what are the possible
16 impacts of Leon Creek from downstream of Highway 90
17 through the Lackland/Kelly area, that Kelly would have
18 possibly contributed. Now, granted, TDH did put out
19 their fish advisories saying there were elevated levels
20 of PCBs in the fish; but if the sampling that's done on
21 Leon Creek and on Kelly and Lackland don't identify a
22 source of PCBs that would have caused that elevated PCBs
23 in the fish, there's not an action for Kelly to do.
24 It's very possible though that there may be a source of
25 PCBs either downstream of Kelly, or upstream of Kelly

1 that's impacted these fish, because the fish are moving
2 up and down the stream. So we don't really know. The
3 eco assessors are aware of that study and that
4 information is in there; but they're going to be looking
5 at the Leon Creek data to determine whether there is
6 data there that represents a risk to eco receptors.

7 MS. HANNAPEL: Okay. So am I to
8 understand that if PCBs and the chlorinated solvents
9 were found in the area of Kelly, but there's nothing to
10 show that Kelly caused that, then that is the end of
11 Kelly's responsibility; they don't have to look?

12 MR. WEEGAR: What I'm saying is the fish
13 study that TDH did identified PCBs in fish in Leon
14 Creek. If we don't find a source of PCBs in Leon Creek,
15 or we find PCBs that are not above a level that would
16 impact ecological receptors, there is nothing for Kelly
17 to do. We don't know necessarily where those fish may
18 have ingested sediment, or whatever they were feeding on
19 that caused the uptake of PCBs. It could be a source
20 that is downstream of Kelly, and they've migrated up the
21 stream. It could be something that's up gradient.
22 They're going to be looking at Leon Creek for a
23 determination of what Kelly may have to do.

24 MS. HANNAPEL: Is there a legal
25 requirement to look at Kelly in that area?

1 MR. WEEGAR: No. There's not a legal
2 requirement for Kelly to evaluate the reach of the base
3 that they have not had any impact to.

4 MS. HANNAPEL: How do you know that
5 unless you evaluate it?

6 MR. WEEGAR: If we know -- if water flows
7 downstream - we all agree that it does that, right? And
8 we're monitoring and measuring sediments and water
9 quality and have been for years and years at Highway
10 290 -- Highway 90. That's your upstream locations. All
11 those levels that you measure downstream through the
12 Kelly/Lackland reach of Leon Creek, and none of those
13 are higher than what you have at Highway 90, that
14 indicates that there's nothing from Kelly that is
15 exceeding what is already coming on to this facility.

16 Now, granted, I understand -- it's my
17 understanding that the San Antonio River Authority and
18 some other folks are doing studies on the San Antonio
19 River Basin, which takes in Leon Creek and a number of
20 other streams, and they have found PCBs in a number of
21 locations throughout the San Antonio River Basin. They,
22 I believe, are going to be, along with some other
23 agencies, are doing some further evaluation of the river
24 basin, and what have you; but our focus is on what has
25 Kelly done as far as their operations to impact Leon

1 Creek.

2 MS. HANNAPEL: Yes, but I guess maybe I
3 misunderstood the report. I thought the report said
4 that they were highest in that area by the golf course.

5 MR. WEEGAR: I think what the report said
6 was that the fish that were caught, were highest in that
7 part; but again the fish move up and down the stream.
8 That's not indicative. We're looking at actually the
9 sediments from the stream itself. That's what we'll be
10 making our decisions on are the actual stream sediments
11 and the surface water concentrations, not where a
12 particular fish was caught in the stream, because again,
13 because of their migration, you don't know that the
14 place where you caught that fish is where it ingested
15 the PCBs.

16 MS. HANNAPEL: I understand that, but you
17 don't know that that's not the case either. So why
18 wouldn't you investigate that?

19 MR. WEEGAR: I don't know what else I can
20 do to explain this. Kelly has been for years sampling
21 surface water and sediment of Leon Creek. They have
22 locations in the area where the golf course is across
23 from Kelly, they're sampling locations up and down that
24 stream. If we don't see elevated levels of PCBs in
25 those sediments or in the surface water, that indicates

1 to us that there is not an impact to environmental
2 habitants -- or ecological inhabitants of Leon Creek
3 associated with Kelly activities. That doesn't say that
4 the fish haven't been impacted somewhere; but just
5 because a fish was caught in a certain part of the
6 creek, does not necessarily mean that's where it was
7 exposed. If we have sampling data that shows there's
8 nothing there, then Kelly has met their obligations.

9 DR. SMITH: Mr. Quintanilla?

10 MR. QUINTANILLA: I just have one
11 question. Are you convinced that there are no PCBs
12 buried in the golf course anymore, and all of that has
13 been cleaned up?

14 MR. WEEGAR: I believe that Lackland
15 right now is doing their evaluation of past remedial
16 investigations that were done on the Lackland Golf
17 Courses and are going to be doing some additional
18 sampling. Quite honestly, I haven't seen that data.
19 When it comes in, we'll evaluate it. If there are PCBs
20 in those landfills, then Lackland will be required to
21 address it.

22 MR. QUINTANILLA: There was one part of
23 that site in the golf course, I think it was either D-1
24 or D-10, that had PCBs at one time.

25 MR. WEEGAR: Lackland is in the

1 evaluation stage of -- what they're basically doing is
2 going back and looking at all the old data that's been
3 collected over the years, looking at where there are
4 holes in that data, and are going to go back and do
5 additional sampling.

6 MR. QUINTANILLA: My question is you've
7 got an extraction well on that side of the creek that's
8 supposed to pick up all of that stuff. Would there be a
9 chance of that thing passing by the extraction wells and
10 getting into the creek?

11 MR. WEEGAR: No. I wouldn't think -- the
12 recovery wells will pick up whatever -- I mean, they're
13 recovering the groundwater. Whatever is in the
14 groundwater will be recovered by the wells.

15 MR. QUINTANILLA: Is 100 percent of the
16 groundwater being extracted by the extraction well?

17 MR. WEEGAR: I doubt 100 percent is.

18 MR. QUINTANILLA: Some of it --

19 MR. WEEGAR: There's a less chance that
20 the PCBs that are in the landfill would actually get
21 into the groundwater, because PCBs tend to adhere to the
22 clay material, and they don't migrate through
23 unsaturated soils very readily; but again, that's
24 something that Lackland is actually evaluating right now
25 are those landfills.

1 DR. SMITH: Guys, I'm sorry, we're past
2 that nine o'clock mark that we promised that we would
3 finish up with.

4 MS. POWER: Can I make one clarification
5 to Robert's previously comment? I think your question
6 regarding status change of Kelly Air Force Base being a
7 generator, Robert, you may be referring to the comment
8 letter that TCEQ wrote to Kelly Air Force Base on the
9 zone 2 and 3 CMS. In that comment letter, we pointed
10 out that the report identified Kelly Air Force Base as a
11 hazardous waste and industrial waste management
12 facility, which would mean it was like it was a
13 treatment, storage and disposal facility. Kelly is not
14 a treatment, storage and disposal facility. They are
15 indeed a generator of hazardous waste, and the number
16 that they referenced in the report was their solid waste
17 registration number which was a generator identification
18 number, and it is not a hazardous waste and industrial
19 waste management facility ID number. And that was the
20 clarification.

21 DR. SMITH: Okay. Mr. Garcia, anything?

22 MR. GARCIA: I want to make a closing
23 statement. I want to say that we discussed a lot of
24 things, and we have time limits. There's a lot more for
25 us to learn, and I think we ought to have more TRS

1 meetings, as well as more RAB meetings. Also there's a
2 lot of questions that the AFRPA staff has failed to deal
3 with. Most of that have been made and approved in the
4 past, we haven't dealt with clean air -- the clean air
5 plan, the ACOG and all these issues that we brought up,
6 they haven't been addressed and how Kelly -- AFRPA is
7 going to participate in all these air studies and a lot
8 of other medical questions, you know. There's a lot of
9 tension between the community RAB members and the AFRPA
10 staff because of the struggle for us to get answers --
11 for us to get action from these people, and it's getting
12 to a breaking point. Either we're going to work
13 together, or we're going to have to change personnel.
14 There's no two ways about it. There's a lot of
15 government involved in all of this, but we're still
16 not -- we're never going to get properly trained.
17 There's still a lot of issues and answers, a lot of
18 decision making behind closed doors that we don't know
19 nothing about, and we still have a long way to go. We
20 need to have some way to deal with it, with new staff or
21 change of attitude - I don't know - but changes are
22 going to come.

23 MR. WEEGAR: In response to that,
24 Rodrigo, I would suggest that the RAB needs to look at
25 your mission statement, read the RAB rule, the purpose

1 of the Restoration Advisory Board is to provide advice
2 to TCEQ, EPA and the Air Force on environmental
3 restoration activities at Kelly. We are not, as part of
4 the environmental restoration activities, we're not
5 dealing with regional air permitting issues; we're not
6 dealing with Kelly or the City of San Antonio's
7 participation in ACOG; we're not dealing with, you know,
8 regional health issues. Those are things that are
9 outside the charge of the Restoration Advisory Board.
10 Actually, if you look at the proposed RAB rule, it
11 states that while communities may want to look at these
12 issues, they need to find another avenue to do it,
13 because people who want to pursue those avenues make
14 this no longer a Restoration Advisory Board.

15 MR. QUINTANILLA: It says that the Air
16 Force will help.

17 MR. WEEGAR: I understand.

18 MR. GARCIA: The polluter contributed to
19 all of these problems. That's the main problem. The
20 polluter, the Air Force contributed to the pollution;
21 the Air Force contributed to all the soil problems and
22 the Air Force is washing their hands and drying off with
23 us and it's not going to happen.

24 DR. SMITH: Mr. Silvas, last one.

25 MR. SILVAS: Yeah. It is 9:10, and I

1 notice we've got eight o'clock adjournment. Usually
2 these adjournments go a little longer. In closing, I
3 just want to state that the conversation with the AFRPA
4 people regarding the audio cassette, this is the letter
5 I have stating that these audio cassettes will be kept
6 in the library. This goes back signed by Theresa
7 Dawkins. I provided the reporter with four extra tapes,
8 so those will be in the repository. So I hope that --
9 I'll provide a copy with this letter to you.

10 Secondly, these adjournments, you know,
11 going on eight o'clock, sometimes we have to go on
12 longer. Again, let's not lose focus that there's a lot
13 to discuss and address. We can't just stop on time
14 every time. Usually we get out nine, 9:30. I for one,
15 I understand staying late if I have to, and I'm willing
16 to.

17 I think there was one other thing I
18 needed to bring up, and this is regarding the GKDA.
19 They had a June 4th, 2005 Neighborhood Resource Center,
20 and I don't remember them ever bringing that up to the
21 attention of the members of the Advisory Board. I'd
22 just like to know what happened on that.

23 Secondly, the investigation into the
24 illegal sale of government property, I'd like an update
25 from the Kelly Development Board, a statement from them

1 whether they can state or not on that investigation.

2 That's it.

3 DR. SMITH: Okay. Let me remind you one
4 time what my job is. My job is to find a way to help
5 you respectfully disagree with one another. My task is
6 to help you find ways to treat one another with the
7 respect that each of you would like to have, and to
8 guarantee that we can continue to talk. If that respect
9 is not in place, if I don't monitor that, if I don't
10 slow down some of the exchanges, then that talking will
11 not continue in a productive kind of way. So please
12 understand I'm trying to do my job. If I have to step
13 in in the midst of it, I shall. What do you say we go
14 home?

15 MR. WEEGAR: Have a good night.

16 (Proceedings concluded.)

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1 THE STATE OF TEXAS

2 COUNTY OF BEXAR

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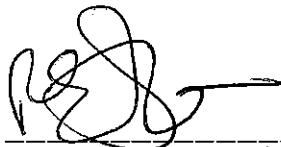
4 I, Randall E. Simpson, Certified Shorthand
5 Reporter, do hereby certify that I reported the
6 proceedings indicated in the caption hereof, and the
7 foregoing 119 typewritten pages contain a full, true,
8 and correct transcription of my shorthand notes taken
9 upon the occasion set forth in the caption hereof, by
10 means of computer-aided transcription.

11 Witness my hand, this 27th day of August,
12 2005.

13

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