

## 1 KELLY RESTORATION ADVISORY BOARD

2 May 10th, 2011 6:30 p.m.  
3 Port San Antonio Board Room  
4 907 Billy Mitchell Boulevard  
5 San Antonio, Texas 78226

6 **RAB Community Members:**

7 Beverly Abbott  
8 Rodrigo Garcia  
9 Nazirite Perez  
10 Brian Skrobarcek

11 **RAB Government Members:**

12 Tommy Camden, San Antonio Metropolitan Health Department  
13 (SAMHD)  
14 Paul Carroll, Air Force Real Property Agency (AFRPA),  
15 Government Co-Chair  
16 Kyle Cunningham, SAMHD, Alternate  
17 Paco Felici, Port Authority  
18 Greg Lyssy, United States Environmental Protection Agency  
19 (EPA), Alternate  
20 Abigail Power, Texas Commission on Environmental Quality  
21 (TCEQ), Remediation  
22 Jorge Salazar, TCEQ, Alternate  
23 Kathryn Thomas, United States EPA  
24 Mark Weegar, TCEQ

25 **AFRPA Staff:**

Richard Black, Contractor  
Rachel Fish, Contractor  
Laura Guerrero-Redman, Contractor  
Jose Martinez, Contractor/Facilitator  
Jerry Preston, Contractor  
Jason Rose, AFRPA

**Public Attendees:**

Leslie Brown  
Bob Goodson  
Nanda Nanjurdappa  
Rick Rogus  
Stephanie Smith, Representative for Charlie Gonzalez

**RAB Members Not Present:**

Jose Arzola  
Eloy Garcia  
Ivan Jaime

1 MR. MARTINEZ: Ladies and gentlemen, it is 6:30,  
2 actually past 6:30. I would like to welcome you to the May  
3 10th meeting of the Restoration Advisory Board of the former  
4 Kelly Air Force Base. My name is Jose Martinez. I will be  
5 your facilitator for the evening.

6 With that said, I'd like to pass the floor over to  
7 Ms. Abbott, the community cochair, to discuss a few items on  
8 RAB membership, after which I will come back and continue  
9 discussing the agenda. Ms. Abbott.

10 MS. ABBOTT: Just to remind you that last meeting in  
11 October we voted on a new member. His name is Ivan Jaime and  
12 he can't be with us tonight because he's traveling for his  
13 job. But just to remind you, Mr. Jaime was voted in during  
14 the October meeting and he replaced Paul Person. He's the  
15 replacement from the Union Pacific and he serves as the  
16 Director of Border Policy and Community Affairs at Union  
17 Pacific on Quintana Road just on the other side of the  
18 railroad tracks.

19 He's also on the board of directors for the San  
20 Antonio Chamber of Commerce and a Court-appointed Special  
21 Advocates. And Ivan is also bilingual in English and Spanish  
22 and hopefully -- and we expect to have him at our next meeting  
23 so we look forward to introducing him to you-all at our next  
24 RAB meeting. And I understand we have a roll call, if we have  
25 a list of members to see who is here and who is not.

1           MR. MARTINEZ: May I simply ask maybe ask each  
2 member to introduce themselves and who they represent.  
3 Mr. Garcia.

4           MR. GARCIA: Rodrigo Garcia, agent, community next  
5 door.

6           MR. CAMDEN: Tom Camden representing San Antonio  
7 Metropolitan Health District.

8           MS. THOMAS: Kathy Thomas, EPA.

9           MR. SKROBARCEK: Brian Skrobarcek, community member.

10          MR. PEREZ: Nazirite Perez, I represent my area  
11 that's close by, Palm Heights, and I'm a representative of the  
12 San Antonio River Authority.

13          MR. FELICI: Paco Felici representing Port San  
14 Antonio.

15          MR. MARTINEZ: Thank you. Thank you very much.

16                 We know that Mr. Mark Weegar will be joining us this  
17 evening and when he does, we will recognize him so that we  
18 have a record that he did attend this evening.

19                 With that -- with that said, I'd like to go over  
20 briefly the agenda items. Next item on the agenda, the  
21 administrative items. This is basically simply my reporting  
22 to you action items that you requested be done at the last  
23 meeting, your last meeting of October 12th. Recall that we  
24 had a slight glitch in the production of the presentation  
25 materials. Those materials you requested that they be sent to

1 you in a complete form. That was done on October 13th of last  
2 year.

3 Already stated, you voted to move the meeting to  
4 today's date and here we are. You requested that an  
5 orientation be provided to Mr. Jaime, the new member, and that  
6 was done just yesterday. Mr. Garcia, you requested a letter  
7 on the topic of dioxin be drafted and I understand that that  
8 was done as well.

9 And then on December 9th, the transcript of the  
10 October meeting was mailed to the members of the RAB. If any  
11 member of the RAB did not get it or may have not -- misplaced  
12 it, we do have a few copies if anybody would like to have an  
13 extra copy of that.

14 So that said, if there are any suggestions that  
15 you'd like to make to the transcript, please communicate that  
16 to staff. It is not an item that requires a -- a vote because  
17 it is not a set of minutes, it is an actual transcript.

18 Other items that you requested at the  
19 October 10th -- 12th meeting last year and are on the agenda  
20 are in the next item by Mr. Paul Carroll. You requested a  
21 report on the Semiannual Compliance Plan. You requested a  
22 report on the Site S-1 electrical resistance heating, it is  
23 listed on the agenda, as well as an overview of the land use  
24 controls. And then following that presentation you also  
25 requested a presentation on the performance based remediation

1 contract.

2           Next on the agenda, if there is any member of the  
3 public that would like to make a comment to the RAB, we have  
4 at approximately 8:00 p.m. the public comment period. As  
5 usual, we ask any member that -- of the general public that  
6 would like to make a public comment to approach the staff in  
7 the back and get a signature card for two purposes. We'd like  
8 to make sure we get your information accurately for the record  
9 and, secondly, so that I know who to call.

10           Are there going to be any members of the public that  
11 would like to make a statement to the RAB during that period?  
12 Okay. Maybe somebody else will come after.

13           After that period, if we have such a period, we will  
14 then ask Paul to discuss with the members of the RAB suggested  
15 items that you would like to have added to the agenda. The  
16 next meeting you will notice at the bottom of the agenda is  
17 scheduled for Tuesday, October the 11th, 2011.

18           And then after that, we will recognize Mr. Mark  
19 Weegar, who just walked in, an unpleasant and regretful action  
20 item, his retirement. And I would imagine that that means he  
21 will be going off the RAB board.

22           So with that said, I would like to now, unless I've  
23 forgotten anything, pass the baton on to Paul to discuss the  
24 environmental update.

25           MR. CARROLL: Hi, everyone. My name is Paul

1 Carroll. I'm the BRAC environmental coordinator for Kelly.  
2 Get to the right slide here to start. We'll have an  
3 environmental update, of course, as we usually do.

4 Talk about first the whole base transfer ceremony we  
5 had in December here quickly and then I'll discuss at length  
6 the Semiannual Compliance Plan Report and also talk about the  
7 S-1 electrical resistance heating and have a quick overview of  
8 land use controls.

9 And then I'll have a briefing that was left over  
10 from last time on the performance based remediation contracts  
11 and kind of assess those that we see across our agency.

12 So as y'all know, we reported last time that we did  
13 complete the last, final property transfer at Kelly September  
14 of 2010, end of September, and that was the culmination of a  
15 lot of work on behalf of a lot of people here to get the  
16 property ready for transfer. So just my appreciation to the  
17 RAB for your insight and your input in the cleanup activities  
18 throughout all of this time frame.

19 We had a whole base transfer celebration in December  
20 on the 1st of December by which Mr. Moore signed off -- signed  
21 over the deed to Port Authority and Mr. Miller also signed the  
22 deed here. Anyway, that -- the total of acreage is 18,000 --  
23 1887 acres since closure in 2001 and we transferred all of  
24 that acreage. We have more than 70 organizations established  
25 at the Port property now including Boeing, Pratt & Whitney,

1 Lockheed Martin.

2           The Air Force leases back about 200 acres from the  
3 Port including Building 171, a large administrative building  
4 where we have moved in about 3,000 Air Force people, close to  
5 it now. There's going to be 11 or 12 Air Force agencies that  
6 are going to be housed in that building, including us.

7           At the transfer, of course we had commemorative  
8 photos given over to the Port and the ceremony went really  
9 well. Ms. Abbott even spoke at the ceremony. We appreciate  
10 your speaking there.

11           MS. ABBOTT: Thank you.

12           MR. CARROLL: So anyway, that covers that. Now the  
13 deed is not done. That's one of our topics that we talked  
14 about. So we still have work to do. We have a lot of work to  
15 do around here.

16           So the next subject I'd like to talk about is the  
17 Semiannual Compliance Plan Report. This covers the period of  
18 July through December 2010. And the activities that we are --  
19 were covered in the report are compliance monitoring,  
20 groundwater monitoring and Zones 2, 3, 4 and 5, long-term  
21 monitoring and sampling. 297 wells were sampled. Permeable  
22 reactive barrier samples were taken also at 128 wells.  
23 Recovery wells from our groundwater treatment systems were  
24 sampled as well as RCRA well samples. Those are at the RCRA  
25 sites that we had. And those Sites E-3 and S-8 were performed

1 in July 2010. And these were all in accordance with the  
2 governing document is the hazardous waste -- Hazardous Waste  
3 Permit issued by TCEQ and updated in April 2009.

4 We'll jump right in. As you all know, most of you  
5 are familiar with the shape of the base and where these zones  
6 are. If I may point to the portion right over there, the  
7 zones real quickly are the blue zone, which is Zone 5; the  
8 green zone is Zone 3; the pink down at the south is Zone 2;  
9 the yellow over to the left is Zone 1 which is the  
10 responsibility of Lackland; and the Zone 4 is over to the  
11 right. So all of you know that already, but I want to be sure  
12 everyone is familiar with that.

13 So we'll start with Zone 2 and move up. The sites  
14 in Zone 2 -- uh-oh, wrong button -- are Site E-3, which is  
15 right here, and the 600 area waste management area will be  
16 right in here, Building 621 -- which include Building 621, the  
17 chrome treatment site and then the 300 area waste management  
18 area which is -- includes plumes that migrate down toward --  
19 from the north into Zone 2 from the 300 area. We'll talk  
20 about those plumes in the other part of the briefing.

21 But the treatment systems here, there's a passive  
22 reactive barrier here that treated that groundwater before it  
23 enters Leon Creek and then Site S-1, which is right down here.

24 We have a groundwater recovery system at Site E-3  
25 that consists of three recovery wells. Contaminants exceeding



1 limits in July '10 included benzene, chlorobenzene, cis  
2 1,2-dichloroethene, and vinyl chloride.

3 So here are the plume maps that we typically show  
4 with these sites. You have them in your handout so if you  
5 have any questions, please stop me, but I'm going to kind of  
6 probably hurry up through these when we look at the plume maps  
7 so it won't take up too much time. But this is -- I'm sorry.  
8 I really didn't mean to hurry that much.

9 Benzene over here is in this little area and then  
10 chlorobenzene is in just a little bit larger area and the  
11 concentrations are a little bit higher, well above the cleanup  
12 level. So we still have to work on these -- these plumes.

13 Moving over to the 600 area, waste management area,  
14 that includes some area where we're doing -- yes, sir.

15 MR. GARCIA: The contaminants I see in the  
16 Compliance Plan are the benzene, the chlorobenzene and the  
17 dichloroethene and the vinyl chloride, are we going to take  
18 additional steps or additional actions to counteract the --  
19 they exceed the Compliance Plan, what are we going do about  
20 that?

21 MR. CARROLL: We have three recovery wells there  
22 that are pumping that groundwater and treating the groundwater  
23 in the Zone 2 groundwater treatment plant.

24 MR. GARCIA: So you got three additional wells?

25 MR. MANGINE: Yeah. We installed three additional

1 wells and -- two additional wells at the site in 2009 I  
2 believe.

3 MR. GARCIA: Three -- three wells to -- to pick up  
4 the contaminants that are exceeding the Compliance Plan?

5 MR. CARROLL: Yes. Those are to remediate that,  
6 keep it from moving.

7 MS. ABBOTT: What does that green and black area  
8 represent in your diagram, previous slide?

9 MR. CARROLL: That's basically the outline of the  
10 IRP site or the RCRA site, that represents the outline of  
11 that.

12 MS. ABBOTT: Okay.

13 MR. CARROLL: Okay. In the 600 area treatment area,  
14 several things here going on. There was a Building 621  
15 vegetable oil injection site and hexavalent chromium treatment  
16 site there. Also, a PCE plume that originally originated in  
17 the vicinity of Building 621 is present there. Treatment  
18 includes veg oil injection in February 2006, five groundwater  
19 recovery wells in the southern portion of that area. Two  
20 wells were installed in 2009 to supplement the recovery  
21 network to capture all of the contaminants that may be going  
22 off of the area. And the chromium plume consists of a mixed  
23 hexavalent and trivalent chromium.

24 What that means is the trivalent chromium is not as  
25 dangerous to human health so the treatment is to reduce

1 hexavalent chromium to trivalent and that includes  
2 bioremediation injections in 2004 and again in 2008.

3 MR. SKROBARCEK: Quick question for you.

4 MR. CARROLL: Yes, sir.

5 MR. SKROBARCEK: So what type of injections? What  
6 is it that you're injecting?

7 MR. CARROLL: It's HRC, hydrogen reducing compound.

8 MR. SKROBARCEK: Okay.

9 MR. CARROLL: We've talked about that a little bit  
10 in the past.

11 MR. SKROBARCEK: Oh, yes.

12 MR. CARROLL: Contaminants that exceeded the  
13 Compliance Plan limits in July 2010 include PCE and total  
14 chromium.

15 MR. GARCIA: And those five wells are doing the job?

16 MR. CARROLL: They are containing the plume and  
17 keeping it from moving further --

18 MR. GARCIA: So five wells are enough.

19 MR. CARROLL: -- south to Leon Creek. Sir?

20 MR. GARCIA: So five wells are enough to contain it?

21 MR. CARROLL: Yes. Those five wells in addition to  
22 the injections that we're doing to bring down the  
23 concentrations as well as injections.

24 MR. GARCIA: So the five wells are enough.

25 MR. CARROLL: Yes.

1 MR. GARCIA: And the pumping.

2 MR. CARROLL: Those are sufficient. Yeah, the --

3 MR. GARCIA: Five wells are pumping and the  
4 injection is enough?

5 MR. CARROLL: Yes. They're keeping things from  
6 continuing to move toward Leon Creek.

7 Here are the maps with the concentrations, PCE over  
8 to the left and the chromium -- chromium hits are over here to  
9 the right. And there's only one small location remaining in  
10 the chromium area that's over the protection standard, the  
11 cleanup level there. So we're making some progress there, but  
12 this plume still needs some work to get it down to the MCLs,  
13 the cleanup levels.

14 MR. GARCIA: Are you going to add any more  
15 remediation to that one that exceeds the Texas standard  
16 levels?

17 MR. CARROLL: This one?

18 MR. GARCIA: Yeah.

19 MR. CARROLL: We're watching it to see if it  
20 continues to degrade. If it stops degrading, we will -- we  
21 will add additional treatment to it, yes.

22 MR. SKROBARCEK: Paul, before we move off that,  
23 that's pretty close obviously to Leon Creek there. Are we  
24 seeing seeps into the creek from that area?

25 MR. CARROLL: Yeah. There's -- chromium -- I'll

1 have to check to be sure, but the chromium I don't think  
2 exceeds the -- the surface water standard there at that  
3 location. I don't think it -- I think it only extends to  
4 where -- you know, where this contour is, this little circle  
5 is (indicating).

6 MR. SKROBARCEK: Okay. But as far as the PCE, it  
7 looks as though the plumes are near the creek.

8 MR. CARROLL: Uh-huh. There are some levels that  
9 we've seen of PCE in the seeps but they're still below the  
10 standard, the surface water standard. Yeah.

11 MR. SKROBARCEK: Okay.

12 MR. GARCIA: You can keep us informed at the next  
13 meeting and tell us how -- what happened and give us a  
14 statement as to what -- how the additional remediation works  
15 or other extra steps you have to take.

16 MR. CARROLL: Okay.

17 The groundwater contamination that originates in  
18 Zone 3 migrates down towards Zone 2. This is what we're  
19 talking about in this location, this slide. Current remedies  
20 for that include vegetable oil injection at former Building  
21 522, Zone 2 permeable reactive barrier consisting of zero  
22 valent iron is present there and there's a slurry wall that  
23 helps direct the water into and through that barrier. And the  
24 groundwater pump and treat from one vertical recovery well  
25 there.

1           Contaminants of concern there are TCE and  
2 tetrachloroethene or sometimes called perc, perchloroethene.

3           MR. GARCIA: Are we going to have additional  
4 remediation for that PCE and TCE?

5           MR. CARROLL: Yeah. Here's what we're doing with  
6 the remediation on that. There is the zero valent iron wall  
7 here, which is treating all of that -- all of that area.  
8 There's a recovery well right in this area that keeps water  
9 from bypassing by that slurry wall. And also we're watching  
10 this to ensure that contaminants don't leach into Leon Creek.  
11 They're naturally attenuating and we've also done some  
12 vegetable oil injections to help degrade --

13           MR. GARCIA: Make sure we're getting more  
14 remediation steps for processing to make sure that it doesn't  
15 get into Leon Creek.

16           MR. CARROLL: We're continuing to do this -- this  
17 treatment is ongoing.

18           MR. GARCIA: Okay.

19           MR. CARROLL: It's -- it's staying active. We will  
20 monitor this and if it looks like it's not effective, we will  
21 look at whatever other measures we need to do to take care of  
22 it.

23           MR. GARCIA: All right.

24           MS. ABBOTT: Have you compared that plume to the  
25 last compliance report? Is it shrinking?

1 MR. CARROLL: We compare every time and some areas  
2 of the plume are shrinking and of course there are some that  
3 aren't. So in general though, as we show these plumes, you  
4 know, almost every time, we've -- the plumes have degraded  
5 almost 50 percent since we started monitoring in 1998. So in  
6 the last 12, 13 years, they're about 50 percent of what they  
7 were when we first started monitoring them.

8 They're degrading. They're degrading because of  
9 natural attenuation, number one, but they also are degrading  
10 because of the systems that we have installed. I think Mark  
11 had the next question.

12 MR. CAMDEN: Paul, at one of the other prior  
13 meetings I think you said it might take another ten, 15 years  
14 to clean up the PCE and that there may be some other  
15 engineering methods, some newer techniques --

16 MR. CARROLL: Yes.

17 MR. CAMDEN: -- that may be out there. Have you-all  
18 done any further inquiry into maybe looking at some other new  
19 engineering techniques to clean it up faster?

20 MR. CARROLL: We're inviting that by awarding a new  
21 performance-based contract and that's -- that should be  
22 awarded in the next month or two. That will put the  
23 innovation in the hands of the private contractor to make  
24 those kinds of decisions to use the best and most -- most  
25 recent cleanup technologies, most aggressive technologies that

1 they -- they think are usable and will be effective here. So  
2 I'm pretty confident that we'll get some more aggressive  
3 treatment and some more action in getting these things taken  
4 care of.

5 This -- this plume that comes from Zone 3 is a major  
6 groundwater plume and it's going to take probably the longest  
7 to clean up of any plume we've got.

8 We started addressing these plumes that go off-base  
9 right away as soon as we could. You know, the people here  
10 before I was did that to keep things from migrating off-base  
11 and try to be aggressive about addressing those. But you  
12 know, we've got to look at it -- this performance-based  
13 contract will look at it on a -- you know, the entire contract  
14 will cover the entire -- everything that we do so that  
15 contractor will have all these decisions at their disposal.

16 MR. CAMDEN: That might be something to -- as an  
17 agenda item for next time, just to maybe educate us a little  
18 more on that.

19 MR. CARROLL: Yeah. I would like for them to brief  
20 their plan, their strategy for conducting the cleanup.

21 MR. GARCIA: Yes. And if we can find a way to speed  
22 it up instead of 15 years. You know, I'll be dead by then.

23 MR. CARROLL: This Zone 3 is looking like late '20s,  
24 '30s.

25 MR. GARCIA: I'll be dead by then and I'll be coming



1 over and haunting your operation.

2 MR. CARROLL: You may be around longer than I am.  
3 You never know.

4 MR. WEEGAR: Paul, the purple dash line and then the  
5 solid green, the solid green is the permeable reactive barrier  
6 and the other one is the slurry wall?

7 MR. CARROLL: That's correct.

8 MR. WEEGAR: So what you're actually seeing on the  
9 Leon Creek side of the wall, for both TCE and PCE is really  
10 kind of the -- it's kind of a historic or residual  
11 contamination that was there preinstallation of the wall.

12 MR. CARROLL: Right.

13 MR. WEEGAR: So everything has been cut off,  
14 continues to migrate, is being treated. Those concentrations,  
15 while they're above the Groundwater Protection Standard,  
16 they're actually very low and I would say that, you know,  
17 you're seeing that there because they've cut a lot of the  
18 groundwater flow off so you're just not seeing a whole lot of  
19 movement there.

20 But even if that stuff were to potentially get into  
21 Leon Creek, the concentrations in the groundwater are so low  
22 that once they got into the creek, I mean they're not going to  
23 be above Surface Water Quality Standards at that point.  
24 They're not going to be representing kind of a harm. But it's  
25 not a -- what you're seeing there is not a continuous flow of

1 contaminations going through there and just continuing to  
2 create this problem. It's kind of a historical artifact that  
3 exists preinstallation of the PRB and the slurry wall. Looks  
4 like the slurry wall and the PRB are actually working pretty  
5 effectively to, you know, cut off any further migration  
6 through that area.

7 MR. CARROLL: That's correct. Yes.

8 Okay. Site E-1 over to the eastern portion of Zone  
9 2 consists of a former evaporation pit, groundwater recovery  
10 system entirely consisting of trench and four standpipes.  
11 Standpipes are basically wells that have been put in that  
12 trench to remove the water. Contaminants that we're concerned  
13 with here are PCE, TCE, 1,2 dichloroethane, cis 1,2-DCE, vinyl  
14 chloride, benzene and chlorobenzene. Lot of different  
15 constituents in this area here.

16 This location, here is the recovery trench with the  
17 recovery wells. The RW designation is recovery well. So you  
18 can see the concentrations of PCE here, concentrations of TCE  
19 up to about 1,600 in the middle of this former evaporation  
20 pit.

21 MR. GARCIA: Will we need additional remediation  
22 systems because we exceed the Compliance Plan?

23 MR. CARROLL: We have remediation systems that are  
24 addressing the contamination that they're working effectively.  
25 I'll look -- we'll look at this at the next couple of slides.

1 But they are working effectively; however, it could be done  
2 more aggressively under the performance based contract when  
3 the contractor gets in.

4 MR. GARCIA: That will be a good idea to try and  
5 speed it up because if we're exceeding the Compliance Plan  
6 limits, we need to find a solution here and now.

7 MR. CARROLL: Right.

8 MR. SKROBARCEK: So Paul, just to help us, any areas  
9 as you're going through this -- the summary of the results  
10 here, if there's any proposed new systems that you guys are  
11 planning, just go ahead and point those out to us and then  
12 we can -- we'll identify what those are.

13 MR. CARROLL: Okay. Will do.

14 MR. SKROBARCEK: Thanks.

15 MR. CARROLL: Here are the findings and the  
16 conclusions. We kind of talked about this already, a lot of  
17 it. Site E-3, groundwater recovery system for this site has  
18 two recovery wells within the boundary and a third outside the  
19 footprint.

20 Area where the groundwater exceeds the standards in  
21 the Compliance Plan are within the capture zone of the  
22 recovery system wells. And then the 600 area, lower PCE  
23 concentrations remained throughout the center of this area but  
24 we had complete capture by the existing recovery system.

25 And the good news here is that we've -- the TCE

1 concentrations have dropped below those limits in 2010 so  
2 there's one place where we cleaned up at least one  
3 contaminant, one of the main contaminants in this site, but we  
4 still have PCE left there.

5           And in the groundwater plume that migrates down from  
6 the 300 areas, the iron filing wall is working as intended to  
7 cut off PCE from further downgradient and migration into Leon  
8 Creek and PCE and vinyl chloride downgradient also continue to  
9 decrease in concentration so we're watching those closely.

10           And for Site E-1, as you can see in those previous  
11 figures, the majority of the contamination is within that site  
12 itself upgradient of the recovery trench and that trench is  
13 operating as intended. Three smaller isolated plumes  
14 downgradient of that trench appear to be stable and not  
15 moving. And LNAPL, which we had seen there in the past for  
16 several years, was not identified in the well that we had seen  
17 at this time. That's another piece of good news.

18           Moving up to Zone 3, the industrial -- the main  
19 industrial portion of the base, it includes RCRA Site S-8,  
20 which is this site right here (indicating). I guess the green  
21 and white outline designates the RCRA regulated unit site so  
22 that's why they have a little bit different outline than the  
23 others.

24           We also have the 300 area waste management area  
25 which includes 360, Building 301 and Building 331 and also

1 here is Site MP. And then we also have Site S-4 to the south,  
2 the south side of the area.

3 Here's where some of our biggest challenges are  
4 because we've got PCE and TCE plumes that run all the way  
5 through these areas beginning up around Building 360 and  
6 running all the way down, you know, right by Site MP also,  
7 running down to the southwest all the way down the permeable  
8 reactive barrier we just discussed in Zone 2. So this is an  
9 important cutoff to this plume. And that's PCE, this is TCE.

10 Site S-8 is a former UST facility and location of  
11 the "green worm" parts cleaning operation. You-all have  
12 probably heard that word before. Yes, sir.

13 MR. GARCIA: I was going to ask you a question. Why  
14 did we wait to get all this stuff to GKDA until we had cleaned  
15 up all this PCE and this TCE? Because some of that in the  
16 residential area and the other is right across the tracks  
17 right there next to the double set of railroad tracks. Why  
18 did we wait till we finished cleaning up all the PCE and the  
19 TCE before we gave them anything?

20 MR. CARROLL: Well, there's two ways that we  
21 transfer property. One is if we clean up the site completely  
22 and close it or there's no contamination there to begin with;  
23 another is if when we do operating properly and successfully.  
24 So we have to install systems. We have to prove to U.S. EPA  
25 here that those systems are operating as intended and in the

1 meantime they're protecting human health and the environment  
2 and we have to make assurances that we're not being dangerous  
3 to whatever the use is there.

4 If we can meet this operating properly and  
5 successful demonstration with EPA, we're unable to transfer  
6 the property. That gives the property -- complete control  
7 over of the property into the hands of Port San Antonio so  
8 they can redevelop it into, you know, beneficial use.

9 MR. GARCIA: Yeah, but will that redevelop --

10 MR. CARROLL: Those are two ways you can transfer  
11 property.

12 MR. GARCIA: Will that redevelopment interfere with  
13 the cleanup procedure of PCE and TCE?

14 MR. CARROLL: No. We ensure that it will not in the  
15 property deeds and we also ensure through pretty consistent  
16 meetings with the Port Authority that their redevelopment  
17 won't interfere with our cleanup and that our cleanup  
18 basically won't impede redevelopment anymore than absolutely  
19 necessary. So we work with them hand in hand on their  
20 redevelopment issues.

21 MR. GARCIA: You know, because some of the people,  
22 like me, that have been involved in this since the middle  
23 1990s are very leery about everything that's going on with the  
24 GKDA and we're -- we don't trust these people and we want to  
25 make sure that you have the right to continue with the cleanup

1 without any interference.

2 MR. CARROLL: We have that right and we do -- we  
3 haven't -- I can't name an incident where we were impeded on  
4 cleanup from anything going on here.

5 MR. GARCIA: All right.

6 MR. WEEGAR: Well, just to clarify, when the  
7 property is transferred to the Port, as the owner they were  
8 added to the Kelly Air Force Base Hazardous Waste Permit.  
9 Makes them a co-owner -- makes them the owner of the property  
10 and the Air Force is the operator responsible for doing the  
11 cleanup.

12 If for whatever reason the Port was not to allow the  
13 Air Force to do the things that they needed to do to clean up  
14 the environment, the Port Authority would be responsible.  
15 They have -- by signing that deed and taking that property,  
16 they are now a -- they are jointly responsible in theory under  
17 the law for doing the cleanup. So it's to their interest to  
18 not prohibit the Air Force or impede their progress in doing  
19 the cleanups because if they were to do that, the State of  
20 Texas could go to the Port and say, Okay, you're not letting  
21 the Air Force, the designated cleanup authority, do what they  
22 need to do so it's your responsibility now to do it.

23 So they have a vested interest from a legal  
24 standpoint and from a financial standpoint to ensure that they  
25 don't impede the Air Force's cleanup authority whatsoever.

1           MR. GARCIA: All right. It's just -- it's just my  
2 concern because the GKDA has been very poor in establishing  
3 links with the community and letting the community know what's  
4 going on and having the community input meetings and stuff  
5 like this so I'm just very concerned about what the GKA --  
6 GKDA will not interfere with Mr. Carroll. That's my main  
7 concern.

8           MR. CARROLL: Okay.

9           MR. SKROBARCEK: But in the areas that we just  
10 discussed, the 300 area, I can speak to the coordination  
11 efforts that take place. Actually we were discussing those  
12 just before the meeting started regarding groundwater sampling  
13 and those types of things that occur, they're required to  
14 occur, and the coordination efforts that have to do with the  
15 GKDA as well as the -- the tenants on this -- this former  
16 base.

17           So there's -- there's active things going on and you  
18 may not be aware of those things that occur.

19           MR. CARROLL: Richard Black right there deals with  
20 the Port Authority almost on a daily basis on things that they  
21 have going on and he's one of our employees that works --  
22 contractors the Authority works with and he's been doing this  
23 for years. He can vouch more how many times they've talked  
24 about redevelopment activities and coordinate things that go  
25 on.



1           Okay. At Site S-8 there was a soil vapor extraction  
2 system operated for a year. That system was converted to  
3 biovent system which adds oxygen to the subsurface to promote  
4 degradation of the contaminants. In 2010 we converted this  
5 system back to an SVE system because we had some expansion of  
6 the system and we found a new location where there were  
7 additional contaminants. We kind of have been reporting that  
8 at the last couple of RABs.

9           Also a groundwater recovery system consisting of  
10 four recovery wells and contaminants we're looking at here are  
11 benzene, chlorobenzene, PCE, TCE, cis 1,2-DCE, vinyl chloride  
12 and arsenic, all the -- all the typical culprits you see in a  
13 lot of these sites.

14           Here are the benzene and chlorobenzene maps. You'll  
15 see we have a couple of little areas right in here, benzene  
16 and one little bit north of the area. Chlorobenzene down  
17 here, up to about 2200 micrograms per liter and then another  
18 little spot of it over here. We'll discuss those --  
19 especially these sites and these sites, what we're doing to  
20 ensure we're remediating these -- these issues in a new slide,  
21 couple of slides.

22           Building 360, contaminant sources are historic  
23 chemical storage and usage. A lot of that occurred in the  
24 northwest corner of that building and in the basement area and  
25 in the western wing of the building. Current remedies we have

1 include a passive reactive iron filing wall and a slurry wall.  
2 That was installed in 2003. We also do vegetable oil  
3 injections there. We've done a couple of rounds of those in  
4 2006 and 2008 and the soil vapor extraction system with three  
5 horizontal wells installed in 2008 that are still operating.  
6 Contaminants that we see there are PCE, TCE, cis 1,2-DCE and  
7 vinyl chloride.

8           So here's the plumes for this building. And here is  
9 the outline of the building. These things right here are  
10 those horizontal wells that we've installed under the building  
11 for the SVE, soil vapor extraction system. Concentrations you  
12 see here, PCE are up to a thousand, little bit over a thousand  
13 in some locations. Majority of this is upgradient of this  
14 reactive wall. There are some locations that are outside of  
15 it and you can see -- actually the good news story here is  
16 that this plume used to be one plume and it's cut off into two  
17 plumes that are being addressed both by this as well as this  
18 one here and some -- the other treatments that we're doing  
19 around in this area.

20           So TCE is at much lower levels. You can see the PCE  
21 was probably the most common solvent used for many years here  
22 at Kelly.

23           MR. SKROBARCEK: Paul, can I point something out to  
24 you on that?

25           MR. CARROLL: Yes, sir.

1 MR. SKROBARCEK: Just want to let you know that  
2 today -- I don't know if it will impact your system, but yet  
3 last night there was a water main break right here  
4 (indicating) and don't know exactly -- it was going as of up  
5 until I left work so I don't know if that's going to affect  
6 your system much, but with the concentrations in this area  
7 here, I don't know if it will affect much.

8 MR. CARROLL: Okay. So that was going from last  
9 night through -- at least through all day today?

10 MR. SKROBARCEK: And it was coming up through the  
11 subsurface running down the street.

12 MR. CARROLL: Okay. That's good to know. We -- of  
13 course we'll be monitoring these wells and we'll see if it has  
14 any effect. Sometime you may see a little effect in things  
15 like this.

16 MR. SKROBARCEK: May see something.

17 MR. CARROLL: And then Building 301, which is just  
18 to the east of Building 360, there's also a permeable reactive  
19 barrier and iron filing walls, an iron filing wall here that  
20 was installed in 2003 and we did that ERH system that we've  
21 been talking a lot about in 2008 and 2009. Contaminants that  
22 exceed the limits in 2010 include PCE, TCE, cis 1,2-DCE and  
23 vinyl chloride.

24 Here's the PCE and TCE maps showing these  
25 contaminants. As you can see, we have PCE both upgradient of

1 this wall. Groundwater flow is to the south here, southeast.  
2 So we'll see the contaminants are both on north and the south  
3 side of this wall and little bit lower levels of TCE to the  
4 south of that wall, too. We'll discuss that in a couple of  
5 slides. Whoa, didn't mean to do that.

6 Site MP, this of course is in the parking lot of  
7 Building 171 you-all have seen a few times, the former plating  
8 shops. Of course we did the big soil excavation. Some of our  
9 folks call it the Big Dig there where we removed a lot of that  
10 source in 2009. And the current remedies after we removed the  
11 soil -- the contaminated soil from that site were to conduct  
12 enhanced bioremediation and we continue to pump and treat  
13 groundwater from the downgradient recovery wells.  
14 Contaminants exceeding Compliance Plan limits include PCE,  
15 TCE, cis 1,2-DCE and vinyl chloride.

16 So here are the plume maps at Site MP. One notable  
17 success that we definitely like to show here is that there is  
18 no levels of PCE within that former slurry wall where we did  
19 our excavation and did that biological treatment. So that's a  
20 very -- been a very successful project.

21 What you're seeing here is a PCE plume that's part  
22 of the main Zone 3 plume. That's actually got some  
23 concentrations here outside of that slurry wall. These  
24 recovery wells are addressing that plume though. So here's  
25 the TCE and that's also outside of that wall.

1           Site S-4, that's from -- that site was abandoned  
2 fuel lines, distribution lines, USTs. Current remedies  
3 include groundwater recovery from on-base and off-base. There  
4 are a couple of recovery trenches and a couple of vertical  
5 recovery wells installed there.

6           There's also a low permeability barrier that's  
7 off-base there. That was sometimes called the City of San  
8 Antonio culvert. It was put off-base to actually stop  
9 migration -- further migration of groundwater. Contaminants  
10 that exceeded the Compliance Plan limits in 2010 include PCE,  
11 TCE, cis 1,2-DCE and vinyl chloride. Benzene and arsenic  
12 also.

13           Here are the concentration maps of the plumes here.  
14 This is in the southern part of this Zone 3 so you can see  
15 that, you know, there's some pretty high concentrations of PCE  
16 on base that are being recovered by these wells and trenches.

17           So the recovery system is within this area here and  
18 then the -- this is that off-base low permeability barrier  
19 that basically keeps the groundwater from moving to the south.  
20 And these are extremely low levels of PCE and TCE that are  
21 offsite that are being degraded by natural attenuation.

22           Findings and conclusions on Zone 3 sites. Site S-8,  
23 those isolated plumes that I showed off to the north of Site  
24 S-8, they're not associated with the zone-wide PCE and TCE  
25 plumes. However, we're monitoring those plumes to ensure that

1 they don't migrate and they'll eventually be captured at Site  
2 S-8. And also an isolated chlorobenzene plume exists north of  
3 Site S-8. We have two new recovery wells to ensure that we  
4 have plume -- plume capture there at that site so we'll --  
5 those will be captured by those two wells.

6 At Building 360, the vegetable oil injection  
7 performed in 2008 was effective in reducing the contamination  
8 and the PRB wall, the iron filing wall, is also operating as  
9 intended.

10 At Building 301, we've seen higher PCE  
11 concentrations in the vicinity of where we had installed an  
12 ERH system. We believe that to be a temporary, localized  
13 effect resulting from operation of that system. But we're  
14 monitoring that to watch and make sure that it returns back to  
15 normal. If it doesn't return back to normal, we will do  
16 something additional to address that contamination that's  
17 bypassing or going through that wall and not being completely  
18 treated.

19 And then there was one part of that wall where  
20 groundwater migration is going parallel to the wall. So if  
21 you're looking at groundwater that needs to go through the  
22 wall and it's going parallel to it, it's not being treated by  
23 that -- by that -- did I hear thunder?

24 MR. WEEGAR: I don't know. I'm not sure what that  
25 even sounds like anymore.

1 MR. CARROLL: Don't watch. Might scare it away.

2 Okay. I think I said what I need to say on that.

3 Building 331, we performed vegetable oil injections in  
4 November of 2009. We injected a lot of veg oil there, ten  
5 times the normal rate, and we see significant reductions of  
6 PCE and TCE and cis 1,2-DCE concentrations in that area. So  
7 that's been pretty successful and the new performance based  
8 contractor will monitor that and will probably take that to  
9 heart and probably do some additional things like that.

10 At Site MP, as I said, the TCE and PCE and vinyl  
11 chloride concentrations are almost at nothing within the  
12 slurry wall, suggesting the current combined remedy is  
13 effective. And we've got the contaminants that are outside  
14 that wall that are being captured by the recovery wells so  
15 they're not being allowed to go migrate off-base.

16 At Site S-4, the groundwater recovery system and  
17 off-base monitored natural attenuation also appeared to be  
18 effective remedies.

19 Moving on up to Zone 4, this is commonly called East  
20 Kelly so we call our waste management area East Kelly waste  
21 management area. That includes site OT-51 here in this area,  
22 the east bank area which is the eastern part of Zone 4 where  
23 we've got a bank of extraction wells that were installed here  
24 and the south bank area, which is the south part of that,  
25 which we've got another bank of extraction wells installed

1 there. Also zone wide groundwater, Zone 4 groundwater.

2 I wanted to show the entire plume map that we're  
3 addressing from -- this is Zone 4 here, East Kelly. The  
4 entire plume over here to the right is the plume that we  
5 address under this Zone 4. So as you can see, this is the --  
6 this is the PCE plume and the 2011 concentrations here, about  
7 three miles off the base. And you can see the current -- the  
8 current outline is in the blue, the original outline is in the  
9 green.

10 Some of the reason we've explained before for this  
11 being kind of a different area, looking like it's migrated  
12 kind of to the north and directly to the east may be partly  
13 because of some migration; however, a lot of it is because  
14 this -- in 1998, when we first did our sampling, this wasn't  
15 completely -- the extent of this was not completely known yet.  
16 So this may be an artifact of us having to go out and do  
17 additional monitoring wells to find out exactly how far it had  
18 gone.

19 MR. GARCIA: How are we going to clean that up?

20 MR. CARROLL: We are cleaning this up by -- in a  
21 couple of -- couple of slides I'll show you where the reactive  
22 barriers are, the iron filing walls are in these locations.

23 MR. GARCIA: Okay. All right. All right.

24 MR. CARROLL: May have to go to one of our other  
25 maps. I'm not sure I've got the slide.



1           But here's the similar map of the TCE  
2 concentrations. These -- these walls are shown on this map,  
3 but they're hard to see. You might be able to see them in  
4 your handout. But there are like four of those walls  
5 installed across these plumes in this location, this location.  
6 I think these are called Commerce Street PRBs. There's one  
7 down here in this location (indicating).

8           MS. ABBOTT: Commercial.

9           MR. CARROLL: Commercial Street.

10          MR. GARCIA: Yeah.

11          MR. CARROLL: Commercial Street, I'm sorry.

12           There's one up here in this area up here, too. So  
13 as I've explained, PCE and TCE are groundwater -- above the  
14 cleanup levels. We see long-term diminishing, decreasing  
15 concentration trends. We see natural attenuation occurring.  
16 At OT-51, TCE and vinyl chloride continue to decrease through  
17 natural degradation, reductive dechlorination from veg oil  
18 injections that we've done here. And on the east and south  
19 bank areas, we have an overlapping horizontal well system that  
20 is addressing the TCE and PCE in groundwater.

21           That south main system has been discontinued. It's  
22 still present if we need it. But we had no plumes moving in  
23 that direction. It's treated the plumes that were already  
24 there. So we're operating the east bank system and capturing  
25 the majority of the upgradient of the plume there.

1 MS. ABBOTT: It looks like you're having better  
2 results with TCE than you are with PCE. The plumes seem like  
3 they're shrinking more.

4 MR. CARROLL: I think it may be because the PCE  
5 concentrations originally were lower and we may be -- you  
6 know, it may be decreasing in a little bit better rate. The  
7 higher concentrations of PCE seems like they would be taking a  
8 longer time.

9 MR. GARCIA: I'm concerned about the TCE and PCE  
10 being so far down in the south side and what we can do to  
11 speed up the cleanup. We need to do something because of the  
12 people that are there. We need to speed up the cleanup  
13 somehow besides natural attenuation.

14 MR. CARROLL: Right. There are other cleanup --  
15 there's the reactive walls that are installed there also, but  
16 the natural attenuation is part of that remedy. But stay  
17 tuned.

18 MR. GARCIA: I think that --

19 MR. CARROLL: Until the next time --

20 THE COURT REPORTER: Excuse me. One at a time.

21 MR. CARROLL: Sorry.

22 MR. GARCIA: Oh, I'm sorry.

23 MR. CARROLL: Stay tuned until the next time when  
24 the new performance based remediation contractor comes on  
25 board and see what they have to -- as a strategy for these

1 off-base plumes.

2 MR. GARCIA: Okay.

3 MR. CARROLL: Because they'll have a commitment to  
4 clean up the entire -- all of it.

5 MR. GARCIA: So they're going to have them clean up  
6 all this stuff you showed us.

7 MR. CARROLL: Yeah.

8 MR. GARCIA: Okay.

9 MR. CARROLL: The first thing we did here was to  
10 ensure that the plume -- the sources of the plumes were cut  
11 off. So we cut off those sources at -- like at Site MP at the  
12 base boundary. That helped reduce concentrations quite a bit;  
13 however, the -- the immensity of the size of the plumes, you  
14 know, we couldn't go every square foot and do things there so  
15 we installed those iron falling walls that captured and  
16 treated things as they went through.

17 But yeah, there could be more aggressive treatments  
18 done for all of these plumes including the off-base plumes.

19 MR. GARCIA: I'd like to see that.

20 MR. CARROLL: Okay. Findings and conclusions at  
21 OT-51, they're almost done. And on the east bank and south  
22 bank recovery systems, the east bank is the only one we're  
23 still operating as I said. Concentrations are similar for PCE  
24 both upgradient -- I'm sorry, TCE upgradient and downgradient,  
25 but the system is pretty much cutting off the TEC. And on the

1 Union Pacific Railroad, that iron filing wall, groundwater is  
2 flowing through in kind of an odd angle and that's because of  
3 these recovery systems. They're pulling the groundwater to  
4 the south instead of to the east as it would normally go. And  
5 we try to balance that pumping of these systems to keep that  
6 from happening as much as possible. And we're -- we'll  
7 probably have to readjust that based on the results of this  
8 Compliance Plan report.

9 On the Commercial Street PRB, transect monitoring  
10 data indicates that they're generally effective in reducing  
11 contaminant concentrations.

12 Moving on up to Zone 5, and this is the last zone  
13 we'll be covering so hopefully we'll be getting close to the  
14 end. We've got the Site S-1 waste management area right in  
15 this area, which includes Site S-1 in the red, the OT-50 north  
16 waste management area, which includes a lot of this area right  
17 in here, and plume D waste management area which is way down  
18 here in the southern portion of Zone 5.

19 Just showing a couple of general maps showing where  
20 these areas are and the groundwater plumes. This is PCE and  
21 we've got a pretty good concentration just to the north of the  
22 base here and that's the main part of the PCE that we see  
23 in -- in this area.

24 Here is the TCE basewide map, but in Zone 5 we have  
25 a little bit more TCE than we've got PCE problems, but we'll

1 get into some more detailed maps here.

2 This is at Site S-1 and just to the north of the  
3 base, on 34th Street, we have another iron filing wall that's  
4 installed there that's treating PCE that's going through  
5 that -- that location.

6 You see concentrations right now about around the  
7 200 range going through that -- going through that wall.  
8 Couple of years ago, it was up to around 700 so it's decreased  
9 to around 200 from -- from then. We think there's a  
10 combination of reasons for that. One is that year we had a  
11 lot of rainfall. Things were really moving around a lot and  
12 it's been pretty dry over the last couple of years so it's  
13 kind of gone back to readings that we were seeing before that  
14 700 level.

15 And here are the TCE concentrations. Pretty good  
16 sized TCE plume along western side of the Zone 5. A little  
17 bit of TCE associated with this PCE up here to the north of  
18 the base and an additional TCE plume that's being treated by  
19 another iron filing wall before it leaves the base here  
20 (indicating).

21 So here's the plume D down toward the southern  
22 portion of this Zone 5. If you're familiar with the base,  
23 this is the old officer's -- visiting officer's quarters.  
24 This is out in kind of an open field in the parking area to  
25 the north of that building. It's pretty high concentrations

1 in this area. So we'll show what we're doing to treat those.

2 Site S-1 is where we've had the electrical  
3 resistance heating going on. I've got a short presentation on  
4 that to give you an update so we'll kind of skip over that.  
5 Arsonic, benzene and chlorobenzene plumes within the site are  
6 stable and appear not to be moving.

7 At the OT-50 north waste management area, we've done  
8 injections near the -- near that iron filing wall on the  
9 eastern side of the base Building 1533. That's been effective  
10 in degrading, reducing the size of the plume. And in the  
11 plume D waste management area, there's a PCE and TCE plume in  
12 the central portion.

13 We've also done substrate injections there. I  
14 believe that was veg oil. It may have been HRC though. I  
15 forget right at the moment. But we see decreasing  
16 concentrations right there also. We still have a long way to  
17 go with that plume so we're monitoring it closely to ensure  
18 that it doesn't migrate. And that's it for the Compliance  
19 Plan.

20 MR. MARTINEZ: Any overall comments or questions  
21 from the members of the RAB for staff? Yes, sir.

22 MR. GARCIA: On this Compliance Plan, I would like  
23 to see where we exceed. Just give us exactly how much we  
24 exceed and what are they and show the relationship with what  
25 we exceed as to what is going to be written up in the -- the

1 Performance Plan we're going to expect the contractor to do so  
2 we can understand the relationship between the two. Like  
3 where we exceed TCE or PCE, whatever, what kind of contracts  
4 you're going to put in and what kind of demand are you going  
5 to put in there so we can see if it's feasible or not see.  
6 See what's going to happen, things like that.

7 MR. CARROLL: I think that's all what we plan to  
8 brief next time already.

9 MR. GARCIA: Okay. All right.

10 MR. CARROLL: Yeah.

11 MR. GARCIA: Okay. So we'll try to have a pretty  
12 comprehensive briefing of their strategy, how they're going to  
13 treat everything by the next time. Yes, sir, Brian.

14 MR. SKROBARCEK: So one of the previous slides  
15 regarding plume D, what was the source of that material?

16 MR. CARROLL: We're not sure. We think it may --

17 MR. SKROBARCEK: Because that was the highest value  
18 that we saw tonight.

19 MR. CARROLL: Right here? We don't know. We can't  
20 find where the source -- we couldn't find where the source  
21 was. Do you remember anything in addition to that?

22 MR. WEEGAR: No.

23 MR. CARROLL: I didn't think so either. So we're  
24 not sure. We think there's still some free product there with  
25 it though, so we're looking forward to what the performance --

1 performance based contract is going to do, be aggressive about  
2 cleaning this up. This is kind of out in the open and we've  
3 done a couple of rounds of injections and it's not knocking it  
4 down as quickly as it needs to knock it down. So we do need  
5 to do something different probably there.

6 MR. WEEGAR: It's such a small little area up there.  
7 Obviously there's not much groundwater movement, but, you  
8 know, historically going back to the '30s, '40s, '50s, I mean  
9 who knows, somebody could have poured a couple of gallons of  
10 something out there at some previous little maintenance thing  
11 or whatever, but it just -- it's gone there. And like I said,  
12 the plume is so small. It's small, but hot because there's  
13 just not any groundwater moving through there. But, you know,  
14 exactly what the source of it is is anybody's guess.

15 MR. CARROLL: Right now it's about half what it was  
16 before we did the last round of injections. So making a  
17 little progress, but it's still at a very high level and I  
18 think it probably needs to be looked at a little bit closer.

19 Okay. Anything else?

20 MR. GARCIA: Do you think -- do you think when they  
21 tell us about this contract and performance contract they can  
22 give us a little one-page or two-page handout showing us in  
23 writing so we can follow them and explain -- while they  
24 explain what they propose in that contract?

25 MR. CARROLL: One page or two pages? I don't know



1 if we can do it in one page or two pages.

2 MR. GARCIA: Or whatever -- whatever it takes so we  
3 can know what they -- what they plan to do.

4 MR. CARROLL: Can the pages be four feet by  
5 six feet? It's a pretty complicated site and yes, we'll  
6 direct them -- we'll ask them to, you know, have kind of a --

7 MR. GARCIA: Executive summary is the --

8 MR. CARROLL: Executive summary --

9 MR. GARCIA: Executive summary or --

10 MR. CARROLL: -- game plan.

11 MR. GARCIA: -- whatever you want to call it.

12 I write those stupid executive summaries all the  
13 time so they're not that hard to do.

14 MR. CARROLL: Okay. I promised you-all a briefing  
15 on Site S-1, the electrical resistance heating and so you're  
16 stuck with me doing this, too.

17 Here is a time line. I'm not going to bore you with  
18 all of this because you-all were caught up to speed in  
19 October, November. So after -- after the last RAB briefing,  
20 in December, they reached the maximum site temperatures. Had  
21 a couple of electrodes that had failed and they conducted --  
22 in March of this year, they conducted 60 percent groundwater  
23 sampling which means they anticipated that they were 60  
24 percent done with the cleanup and they did groundwater  
25 sampling.

1           In April, they repaired a damaged drip system that  
2 had been completely destroyed by the freeze that we had in  
3 February, about February 7th I believe is the date of that. I  
4 was here for that. Had an inch of ice on the roads.

5           In May, as of today, they've removed 120 pounds of  
6 chlorobenzene, 89 pounds of 1,2-dichlorobenzene, 17 pounds of  
7 1,4-dichlorobenzene, 3 pounds of benzene and over 765 pounds  
8 of total petroleum hydrocarbon from that site from this  
9 system.

10           Here is the temperature chart. As you-all saw this  
11 about right here, it was still increasing (indicating). One  
12 of the things they did about this time, they were having  
13 trouble getting it to the right temperatures in some zones so  
14 they were going to inject steam into the formation and y'all  
15 probably remember that.

16           They did go ahead and do that and it brought that  
17 temperature up to about between 90 and 100 degrees centigrade.  
18 They reached that about December 1st, maintained that  
19 temperature. They kept trying to raise the search temperature  
20 because their target temperature was up here at 110, but they  
21 could never get it past this level. And this is about the  
22 time they had the freeze so you see a little bit of a drop in  
23 temperature here. They replaced that system that added water  
24 back into the formation right about here so you can see some  
25 trends going back up as of the last month (indicating).

1           Here is the chart showing what I just described  
2 about the mass removal. Here is the total mass removal here  
3 in the purple line. This green line is chlorobenzene, which  
4 is basically the target chemical they're trying to reach. And  
5 1,2-dichlorobenzene, the other chemicals are down here. As  
6 you can see by the curve of the line, we're still getting some  
7 results. We're still getting contaminants out of the ground.  
8 They're still running the system.

9           Current status, the gravelly areas do present a  
10 problem with this type of remediation because it relies on  
11 electrical current and the heating of the formation from soils  
12 that need to have a lot of clays in it and have a lot of  
13 moisture. So the removal rate is lower than projected design  
14 and they had to run it longer. This is a firm fix price  
15 contract so they've been there -- they anticipated to be done  
16 right after Christmas here and they're still here running the  
17 system.

18           The mass in the subsurface is being recalculated due  
19 to possible variability in the design calculation and the  
20 actual mass. So they're doing that. We're going to work with  
21 them to evaluate the system to determine if they need to keep  
22 running it or not. But from -- from these curves here, you  
23 can see that once these become a flat line, they're no longer  
24 removing contamination from that site. So we're watching this  
25 pretty closely. They're starting to look like they're going

1 to become a flat line before too long. So we're working with  
2 them to -- I think we may have reached what we can get from  
3 this type of remediation from this site.

4 Okay. Any questions on that?

5 Okay. Moving on, I promised also an overview of  
6 land use controls. This is generally what we're doing with  
7 the Port Authority on a recurring basis and now with the land  
8 use controls. As you know, as part of the property transfer  
9 process, we put these land use controls in the deed to ensure  
10 that there is no contact to harmful contamination at the site  
11 and that's -- that's to prevent, you know, problems with  
12 whatever use that the Port is using the property for.

13 So these land use controls are an important part of  
14 our environmental projects and our property transfer and  
15 ongoing communication dialogue with the Port Authority.

16 One thing we've done is the Port has requested  
17 removal of some land use controls from part of this area right  
18 here in Zone 5 so that they can clear this property for  
19 possible residential or mixed use development. And we sent a  
20 memo to U.S. EPA on the 12th of April and the objectives of  
21 that are to evaluate those land use controls to see if we can  
22 reduce those for seven sites previously closed under Standard  
23 Two, Standards for Industrial Use.

24 And one site we had already deed recorded to allow  
25 for residential use so that leaves us six other sites that

1 we're working with TCEQ and EPA to get those deed -- deed  
2 restrictions removed or approval to removed those deed  
3 restrictions.

4           What we've done to do that is to look at the closure  
5 reports for these sites. Those were reviewed. And to look at  
6 several different things under those closures including how --  
7 what kind of concentrations we looked at to close those sites.  
8 So this -- this may be a little bit too technical, but SCLP  
9 sampling is a type of sampling that you look at to compare to  
10 see if it meets industrial or residential standards.

11           We're going to recommend to TCEQ and EPA to reduce  
12 the land use controls for five sites to allow residential use  
13 and these are the sites that we're talking about. All of  
14 these sites have soil contamination that we close under an  
15 industrial standard. We're re-evaluating those. We're  
16 looking at those standards, those levels of contaminants that  
17 were left there and we've -- we've internally made the  
18 decision that those levels also meet residential standards,  
19 which will allow residential use.

20           What we have now is to -- to ask TCEQ and EPA if  
21 they agree with those -- with those conclusions and we're in  
22 the process of doing that now. There are two locations within  
23 this area that the Port wants to use for residential use also  
24 that have groundwater contamination and that groundwater  
25 contamination may have some vapor intrusion problems. Vapors

1 from the plumes may be migrating up into some houses so we  
2 don't want that to happen so we're going to work with EPA to  
3 ensure that we're going to put a restriction or keep that  
4 restriction against residential use over those plumes and a  
5 buffer area outside those plumes to make sure that the  
6 recovery -- that we don't have problems there in the future.

7 MR. GARCIA: How many acres are we talking about?

8 MR. CARROLL: Let's see. I think we're talking  
9 about maybe 150 acres if I'm not mistaken.

10 MR. GARCIA: All those?

11 MR. CARROLL: Well, these sites -- no, these sites  
12 don't cover 150 acres. These sites are small sites. They  
13 cover probably a total of ten or 12 acres out of the entire  
14 area.

15 MR. GARCIA: I'm worried about the -- that  
16 residential because they have children. Suppose the children  
17 go outside and play and the kids being little kids, they end  
18 up playing in the dirt or eating dirt and they have a cut or  
19 something, dirt gets on their skin or something like that, you  
20 know, will anything happen to those kids?

21 MR. CARROLL: That's why we want to ensure that any  
22 of these areas definitely meet these -- the cleanup standards  
23 that we would allow for residential use there.

24 MR. GARCIA: Including the sub -- the surface and  
25 subsurface? Will we test the surface and subsurface to make

1 sure --

2 MR. CARROLL: That's right.

3 MR. GARCIA: -- so if they water too much and it  
4 turns into mud, the kids go play in the mud, they won't get  
5 any harm from -- from doing that.

6 MR. CARROLL: That's right.

7 MR. GARCIA: Because I feel we need to be more than  
8 more than more than more than safe on all this before we turn  
9 it over for residential use.

10 MR. CARROLL: That's right. And we're being very  
11 careful to ensure that these sites meet the standard for  
12 residential use prior to -- prior to doing that. And we'll  
13 get TCEQ and EPA approval on that before we proceed with that.

14 MR. GARCIA: All right.

15 MR. MARTINEZ: Any other questions from any member  
16 of the RAB on this topic?

17 Paul, you get no rest. The next topic is yours as  
18 well. Performance based remediation contracts.

19 MR. CARROLL: Okay. Last time you-all wanted a  
20 briefing. I'll kind of give you some examples of performance  
21 based remediation contracts and this is what I have.

22 We had in -- back about four or five years ago had  
23 done what's called a BRAC Master Plan. That covered all of  
24 our BRAC bases. And it -- they did a very in-depth evaluation  
25 of what we're doing environmentally, property transferwise,

1 the whole process of what the BRAC world does in the Air Force  
2 to clean up property and transfer property. We had a  
3 comprehensive document that came out of that and told us, you  
4 know, You're not doing it the most efficient way here.  
5 There's better ways of doing both the cleanup and the property  
6 transfer.

7 One of the main things that -- of course the goals  
8 were to achieve property transfer, validate the environmental  
9 costs we were -- we were spending on cleaning up and to get  
10 early resolution in the environmental program. Applying that  
11 vision, you know, we achieved -- of course the goal is to  
12 achieve property transfer and to conduct environmental  
13 remediation in an aggressive way. The -- the main goals are  
14 to return asset value, get property transferred and to clean  
15 up sites faster in a more efficient way.

16 So following that, the environmental part of this is  
17 performance based remediation. One of the main results of  
18 that study were we need to -- we need to go performance based  
19 remediation or privatization in a lot of the locations where  
20 the Air Force was conducting the cleanup on their own and it  
21 was being done, you know, more or less in a piecemeal fashion,  
22 one site after another. And this performance based  
23 remediation provided a competitive atmosphere providing us  
24 with the best and brightest solutions to achieve site closure.  
25 It brings innovative solutions and accelerates site closure



1 and it reduces our overall site cost to complete at the same  
2 time.

3           The intent is to have one contractor focused on the  
4 entire installation. One of the good things that does is  
5 provide consistency with the regulators. It streamlines  
6 contract management, which you-all don't see but we see a lot  
7 of that. Lowers overhead for the Air Force. So it takes  
8 fewer of me to deal with them.

9           Couple of examples I want to show. One is the  
10 former Reese Air Force Base in Texas. It was one of our first  
11 PBC contracts, performance based remediation contracts, we  
12 awarded. That one was done in 2004 through the Corps of  
13 Engineers. The goal of that was to attain Operating Properly  
14 and Successfully status and to achieve regulatory closure of  
15 all impact sites by 2014. That contract has an estimated  
16 savings over \$20 million to the Air Force and it achieves --  
17 has achieved regulatory closure of all contaminated soil sites  
18 within three years of the contract and aggressively treated  
19 also the groundwater plumes, the three groundwater plumes that  
20 accelerate the remediation.

21           Two of those plumes have already reached remediation  
22 goals and TCEQ has in the Permit and Compliance Plan here, we  
23 had the same thing at Reese, requires a three-year monitoring  
24 period before they can close those sites.

25           I don't know if you can see this. You may see it

1 better in your handout. There's some really postage stamp  
2 size maps down here in the bottom.

3 In 2004, this is what the plume looked like. This  
4 is a three-mile plume that looks a lot like the plume going  
5 off of Kelly except for it's just got one arm. And in 2006,  
6 you can already see some reduction. They've -- they've  
7 installed their remedies here which are pretty aggressive  
8 remedies in this main part of this plume and then trying to  
9 hit these other main -- more concentrated parts of the plume  
10 here, too.

11 So in 2006, you can see some reduction. 2008, you  
12 see it looks a little bit more pockmarked and more reduced.  
13 And then 2010, you can see some real reduction in the size and  
14 the concentrations of that plume.

15 So overall, they've reduced the size of that plume  
16 80 percent. At the current rate of removal, we anticipate  
17 reaching the regulatory limit which is under five micrograms  
18 per liter by 2014, more than 20 years sooner than originally  
19 planned. And Mark Weegar and I both worked on that project.

20 Here is another one that was awarded in late 2009,  
21 really 2010 before it got started. But this is at Chanute Air  
22 Force Base, Illinois. The goal there was to obtain OPS,  
23 Operating Properly and Successfully status, and achieve  
24 regulatory closure of all impacted sites by 2016. There are  
25 47 sites at Chanute and we have about 20 percent savings

1 there, too, with this contract.

2           Twenty-three sites we've done decision documents  
3 which are a pretty big milestone for the Air Force. And a  
4 couple of innovative cleanup technologies that they've used  
5 there are poplar trees to capture and clean landfill leachate.  
6 The groundwater there is shallow kind of like it is here. And  
7 that's -- I'll show a couple of pictures of that. And there's  
8 the new better performing composite landfill cap material that  
9 they're installing there also. Remedial actions are  
10 scheduled. They've actually already begun last fall on seven  
11 sites. And they've got -- 18 additional sites are starting in  
12 the spring.

13           Here is the couple of pictures of what was done  
14 there. Those poplar trees that surround the landfill there,  
15 here's -- here's where they planted them, April 2009. They  
16 basically cut the tree off with no roots, stuck it in the  
17 hole. I didn't think you could that around here. But in  
18 August, this is what these trees looked like. And then in  
19 August of 2010, this is a -- I think this is a six-foot chain  
20 link fence so these trees are about 12 feet tall here in  
21 August 2010.

22           The intent of these trees is to -- they have root  
23 systems that go all the way through the groundwater system  
24 here that's the contaminated groundwater. They pull a lot of  
25 water out. Poplar trees take a lot of water, like a weed.

1 And they do a very thorough job of removing groundwater and  
2 keeping the groundwater from escaping from that landfill, the  
3 groundwater with contamination. So they capture that,  
4 basically treat it through their leaf system and then  
5 evapotransporate the excess moisture.

6 Those are the two sites that I kind of wanted to  
7 give you an example of. Here's all of our former bases and  
8 where we're going to have -- we already have or are going to  
9 have performance based contracts. So pretty much nation wide  
10 by 2014 we're supposed to have over 90 percent of our sites  
11 under the performance based remediation contract.

12 Is there any questions on that?

13 MR. MARTINEZ: Any questions?

14 MS. ABBOTT: I'm sorry. Are you-all going to be  
15 working along with these contractors of these contract or is  
16 this going to be solely their responsibility?

17 MR. CARROLL: The way it works, we stay involved.  
18 We're pretty heavily involved. We don't make all the cleanup  
19 decisions anymore. They will -- they will determine what  
20 works best and we will propose that to the regulators for  
21 approval and concurrence and then they'll initiate those  
22 contracts, those -- whatever strategies they have.

23 MS. ABBOTT: Measures.

24 MR. CARROLL: Those measures to clean up what they  
25 have to clean. So we do stay involved primarily to ensure the

1 Air Force interests are protected in this and if they are not  
2 proposing something stupid that we know won't work, which, you  
3 know, we evaluate during the contract evaluation process  
4 that -- that kind of thing so we kind of pretty much already  
5 know that the proposals we get will -- are technically sound.  
6 We do that before we even award the contract.

7 But we do stay pretty closely involved throughout  
8 the process. There's a little bit different focus than we do  
9 now because now we're running the whole program. We got to  
10 do, you know, everything from the day-to-day helping, you  
11 know, to ensure that they go out and mark the right locations.

12 And we would have -- typically we would have weekly  
13 meetings with contractors if they're doing a pretty big  
14 remediation project to make sure that everything is  
15 coordinated and everything moves in the right direction.  
16 We'll still have those kind of meetings, but it will be more  
17 on the basis of, Okay. Here is what we're doing next. Can  
18 you-all -- can you-all work to help us make sure that we've  
19 got proper clearances from the Port Authority, and things like  
20 that or easements or what have you. So it's a little bit  
21 different focus than we normally have. Mark.

22 MR. WEEGAR: I think it's just important to note  
23 that under those PBCs even though the Air Force is -- they're  
24 bringing in a contractor, what they're doing is saying, Okay,  
25 meet our regulatory requirements and how you get there is up

1 to you. But the Air Force still retains all the legal  
2 responsibilities. They're still responsible to TCEQ for the  
3 hazardous waste permit and all that kind of stuff.

4 They don't -- they haven't somehow turned over, you  
5 know, the legal requirements, the legal responsibility to the  
6 contractor. They're still a contractor to the Air Force and  
7 the Air Force still retains all the legal liabilities and  
8 obligations to the State and EPA and everybody else.

9 MR. CARROLL: And I still get his letters or Kathy's  
10 letters if we do something wrong.

11 MR. MARTINEZ: Any other comments, questions from  
12 member of the RAB on this topic?

13 MR. PEREZ: Well, let me just spread a little bit of  
14 what I am picking up. All this information is good for me  
15 because in the long run I relay this to the (inaudible).  
16 There's some other directors that are asking a lot of  
17 questions, all the way to the coast. In fact, there's been  
18 trouble with Michael Lerma on animals that are dying and so  
19 on. The reason, I don't know yet. Just a matter of time.  
20 And all this information is helping me to explain to them and  
21 the cleanup and -- well, to all them concerned, this is a very  
22 good job you're doing out here.

23 What I worry is what we're sending over there.  
24 Those people want to go swimming and all that, you know, their  
25 plans that they have and I disagree. Well, but it's up to

1 them. And I worry about my fellow men from the south, you  
2 know. Regardless their color, they're still my brothers and,  
3 you know, we all are related in the long run. But all this  
4 helps me a lot.

5 I'm here to say thank you for the good job you-all  
6 are doing, but it's -- problems are bound to grow and it's  
7 sad. So sad. Now the Chinese are -- they're contracting with  
8 us, the River Authority, to pull some oil out of the ground  
9 and they want to use our water. Well, the San Antonio River  
10 water, and -- and CPS is spreading and they're going into the  
11 solar energy business and so on, in the sense of being  
12 contracted with them. So it's growing and I see problems but  
13 the thing is that here, things are looking good.

14 MR. MARTINEZ: Thank you, Mr. Perez.

15 MR. CARROLL: Thank you.

16 MR. MARTINEZ: Very good comments.

17 MR. GARCIA: One more. I just want to tell you that  
18 things have been a lot different since you took over and I  
19 want to compliment you for that and the way you've been  
20 directing the staff. I know we've still got a lot of work to  
21 do and a lot of things to do and a lot of that, but you have  
22 been very open and very -- very frank with us and your  
23 predecessor was not and I want to congratulate you on the fine  
24 job that you are doing because it's very rare for us to have  
25 such openness with all the people involved with this Kelly

1 thing and very rarely have somebody who is honest and truthful  
2 and doing as good a job as you are.

3 MR. MARTINEZ: Thank you, Mr. Garcia.

4 MR. CARROLL: All I can say is thank you.  
5 Appreciate it.

6 MR. MARTINEZ: We've come to the section of the  
7 agenda. If there is any member of the general public that  
8 would like to make a comment, address the members of the RAB,  
9 could you please raise your hand?

10 Then, Paul, unfortunately we go back to you. Don't  
11 sit down. The next section is discussion by members of the  
12 RAB on what items you would like to have discussed, presented  
13 it at the next RAB meeting.

14 MR. CARROLL: Okay.

15 MR. MARTINEZ: Any comments, suggestions? Yes, sir.

16 MR. SKROBARCEK: Can we get an update on the SVE  
17 system, Building 360 performance?

18 MR. CARROLL: Okay.

19 MR. SKROBARCEK: Update on all that.

20 MR. CARROLL: Sure.

21 MR. MARTINEZ: Any other comments, suggestions?

22 MS. ABBOTT: The Compliance Plan will be available;  
23 right?

24 MR. CARROLL: Yes.

25 MS. ABBOTT: From the July results so continue --



1 MR. CARROLL: The Compliance Plan Report.

2 MS. ABBOTT: So the result from the Compliance Plan.

3 MR. CARROLL: That one is the shorter report that  
4 covers the two RCRA sites and Leon Creek so we'll be able to  
5 concentrate a lot on the actual Leon Creek results next time.

6 MS. ABBOTT: Good.

7 MR. CARROLL: We can do that.

8 MR. GARCIA: And I would like to see a very  
9 extensive report on Leon Creek because we actually need it.  
10 There's -- you know, I'm still concerned over seeing all those  
11 signs about the fishing and environment and I want to be tough  
12 but fair with whatever we are responsible for, getting Kelly  
13 and everything in line, but we want to get the EPA and TCEQ to  
14 finally get the wheels rolling and if there's contamination  
15 from the old (inaudible) plant, from those chemicals they use  
16 there and some of those truckers dumping -- leaking oil and  
17 diesel fuel further up there by old Highway 90, you know, and  
18 then that landfill over there on Pinn Road and Commerce,  
19 they're probably contributing to all this contamination, too.

20 So we would like to see if we can talk to EPA and  
21 TCEQ and finally get them to get on this thing and let's  
22 resolve this issue with Leon Creek once and for all because  
23 we've been dragging and kicking this dead horse of Leon Creek  
24 since 1996 and we need to get the two government agencies to  
25 really, you know, quit messing around and get with it and get

1 this thing taken care of with Leon Creek.

2 MR. MARTINEZ: Yes, sir.

3 MR. CAMDEN: The USGS or the geological survey,  
4 we've got one study that's done on all the creeks in Bexar  
5 County and it should be -- I think the study is basically  
6 complete. We don't have a copy of it yet or anything, but  
7 it's gone to the printers and -- and it won't be released  
8 until they get all that information back. But that might be  
9 something that we can maybe invite USGS to come in at the next  
10 meeting and present their report. I think it's Jennifer  
11 Wilson with USGS.

12 MR. CARROLL: Yes. She presented kind of what they  
13 were doing a couple of years ago as a matter of fact.

14 MR. CAMDEN: Right. Right. Several months back.  
15 But they -- the final report hasn't been released yet but  
16 it's -- basically it's complete and at the printers but --

17 MR. CARROLL: Should be ready to present by October?

18 MR. CAMDEN: It should be ready by the next RAB  
19 meeting.

20 MS. CUNNINGHAM: It's gone to publication so any day  
21 is what we're expecting.

22 MR. CARROLL: Y'all want to hear that, everyone?

23 MR. PEREZ: Oh, yeah.

24 MS. ABBOTT: Sounds good to me.

25 MR. MARTINEZ: Any other comments, requests, member

1 of the RAB? Is that enough for the next meeting?

2 MR. CARROLL: I did want to volunteer to do -- to  
3 have a briefing from the new performance based remediation  
4 contractor with kind of their strategy so hopefully we won't  
5 take up too much time. We may have to -- I don't know if  
6 we'll have to drop off one or another, but we'll try to  
7 squeeze everything in. Seeing that we're only meeting twice a  
8 year, I'd like to get everything covered that we can though.  
9 Is that okay?

10 MR. GARCIA: I'd like to clarify that. If you need  
11 more -- more time and more meetings, I'll be -- I'll be more  
12 than willing to attend because, you know, this is very  
13 important to people that live in the community to hear  
14 everything you've got to say. If we need three or four  
15 meetings, I'd be glad to see us go back to three or four  
16 meetings but we're going to have a lot of things on our plate  
17 with everything that's going on, you know, and I personally  
18 would like to see three or four meetings if necessary. With  
19 all that's --

20 MR. CARROLL: It's gone well so far. I was afraid I  
21 wasn't going to get everything covered in the right time, but  
22 I think we're still within the time frame. So I think we're  
23 doing good.

24 MR. GARCIA: But I'm just saying if we need more  
25 meetings to cover more data and more information, then feel

1 free to tell us about it.

2 MR. CARROLL: Okay.

3 MR. GARCIA: I would -- I would -- I would attend  
4 more meetings if necessary.

5 MR. CARROLL: Okay.

6 MS. ABBOTT: Let's see how our next meeting goes and  
7 see how our time is, see if we can get it covered. We can  
8 still revisit that.

9 MR. MARTINEZ: Last item on the agenda is a topic  
10 having to do with Mr. Mark Weegar.

11 MS. POWER: Now what did he to?

12 MR. WEEGAR: To the principal's office for me.

13 MR. CARROLL: I wanted to -- didn't want to make too  
14 big of a deal of this at the RAB. As Mr. Martinez said a  
15 while ago, it's with some regret that we have to announce that  
16 Mark is retiring from TCEQ as of -- this Thursday?

17 MR. WEEGAR: Thursday the 12th. I decided I wasn't  
18 going to risk retiring on Friday the 13th.

19 MR. CARROLL: And if you would like to make your way  
20 up here, I'll -- I have a little very small token, very small  
21 token, to give you. It's a letter, a letter of appreciation.  
22 And I'll read this:

23 On behalf of the Air Force Real Property Agency,  
24 please accept our thanks for your past service on the  
25 Restoration Advisory Board with the former Kelly Air Force

1 Base. Your involvement for over a decade is greatly  
2 appreciated. The Air Force greatly values the interest of all  
3 stakeholders. Together we have proudly partnered with the  
4 community to protect human health and the environment through  
5 the Air Force and its environmental remediation program at the  
6 former Kelly Air Force Base and in our surrounding  
7 neighborhoods. Your representation on the RAB has fostered  
8 this critical community alliance.

9 Thank you again, Mark, for, your time and service at  
10 the Kelly RAB.

11 (Applause)

12 MR. WEEGAR: Thank you. Well, you know, I'd just  
13 like to say that I guess I started on Kelly late 1997 so I've  
14 been here for a while. I think we've got a lot accomplished  
15 out here and it's been through a partnership. It's not been,  
16 you know, any one group doing it. It's been everybody having  
17 a shared vision and pulling together in a common goal, you  
18 know, teamwork.

19 I know we've had our somewhat acrimonious RAB  
20 meetings over those however many years, but I think it was --  
21 you know, that's going to happen when people have some  
22 different perspectives but yet they're very sincere about  
23 those positions and, you know, they get very involved with it.  
24 And you can't do this without having everybody having, you  
25 know, involvement and being really, you know, passionate about

1 their different views.

2 And I know that TCEQ's standpoint, we've always  
3 listened to what the community had to say. You know, we've  
4 communicated those to the Air Force and EPA's listened to them  
5 and communicated.

6 I really think the success we've seen out here has  
7 been a group effort. It's been everybody in a partnership  
8 pulling in the same direction. I mean, you know, if you would  
9 have told me in 1997 when I started here that December of  
10 2010, which is when they had the property transfer ceremony,  
11 that you would have all the remedies in place and operating  
12 properly, successfully and being able to transfer all this  
13 property to the Port Authority for redevelopment and then the  
14 tremendous redevelopment that that transfer has had out here,  
15 I don't think you could have gotten anybody in those rooms  
16 back in 1997 to raise their hand and say, Yeah, I believe that  
17 we'll do that that quickly.

18 I mean it's one of the fastest cleanups of a site  
19 this big and this complicated I think anywhere in the Air  
20 Force, not just the closing bases, but active duty as well.  
21 So I think everybody that's been involved has -- you know, has  
22 been a part of this and all needs to share in the -- in the  
23 success that we've achieved out here.

24 And it's been a pleasure working with all of you,  
25 with Paul and his predecessors, everybody at EPA, the

1 contractors. I mean it -- it has been a honor and pleasure to  
2 work with everybody and I thank you for the experience.

3 (Applause)

4 MS. ABBOTT: On behalf of the community, I want to  
5 thank you for all that you've done. Just in the short time  
6 that I've been here, I can see that you've been like a voice  
7 of reason for us. I know there's been times when I'd hear you  
8 say "to clarify" and that really helps, that you put that in  
9 terms that we understand and I know that's not just because  
10 that's your job, that's part of your personality and we've  
11 appreciated that so we wish you well and God bless.

12 MR. WEEGAR: Thank you.

13 MR. MARTINEZ: Thank you very much.

14 (Applause)

15 MR. MARTINEZ: Having covered every item on the  
16 agenda, we are adjourned.

17 MR. CARROLL: Wait, hold on.

18 I want to make sure we get our follow-on, Abby  
19 Power --

20 MR. WEEGAR: That's right. My replacement on the  
21 Kelly project, BCT and the RAB is Abby Power. She's based  
22 down here in San Antonio and the regional office; however,  
23 she -- she is officed here, but she works out of our office in  
24 Austin. That's how the management structure -- she's matrix  
25 managed down here. She's in the remediation division, the

1 voluntary cleanup RCRA corrective action section so she will  
2 be now sitting here with this -- with a new nametag.

3 MR. CARROLL: The new Mark Weegar.

4 MS. POWER: Yeah, the new Mark Weegar. Nobody could  
5 replace him. Thank you.

6 (Applause)

7 MS. POWER: He asked me to move over so I am.

8 MR. MARTINEZ: Mr. Garcia?

9 MR. GARCIA: Mark, you just think, you wouldn't have  
10 lasted as long if you wouldn't have had me to make your blood  
11 boil and get you angry all the time.

12 MR. WEEGAR: It -- it was nothing.

13 MR. GARCIA: And I hope you enjoy your retirement  
14 and I hope your children push you to baby-sit your  
15 grandchildren like they did to me and have a good time doing  
16 that.

17 MR. WEEGAR: Well, thank you.

18 MR. MARTINEZ: Maybe other members of the RAB would  
19 like to chime in? If not, are we adjourned now?

20 MR. CARROLL: I agree.

21 MR. MARTINEZ: We are adjourned. Thank you very  
22 much.



1 STATE OF TEXAS )

2 COUNTY OF BEXAR )

3

4 I, Gina K. May, Certified Shorthand Reporter in and for  
5 the State of Texas, hereby certify that this transcript is a  
6 true and correct a record as possible, transcribed by me  
7 through computer-aided transcription.

8 I further certify that I am neither counsel for,  
9 related to, nor employed by any of the parties in the action  
10 in which this proceeding was taken, and further that I am not  
11 financially or otherwise interested in the outcome of the  
12 action.

13 WITNESS MY OFFICIAL HAND, this the 21st day of June, 2011

14

15

16

17

/s/ Gina K. May

18

Gina K. May, CSR

19

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