

RESTORATION ADVISORY BOARD

FORT McCLELLAN, ALABAMA

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Taken before SAMANTHA E. NOBLE, a Court
Reporter and Commissioner for Alabama at Large, at
Building 141-A, Basement Conference Room, Fort
McClellan, Alabama, on the 21st day of April, 1997,
commencing at approximately 6:30 p.m.

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1 MR. CHARLES TURNER: Y'all ready
2 to get started? Let's call the roll, even though we
3 don't need a quorum to do business.

4 I'm here. Mr. Levy is here.
5 Mr. Anderson is here. Mr. Brown? Mr. Conroy? Dr.
6 Cox? Mr. Cunningham is here. Mr. Elser is here. Ms.
7 Harrington? Mr. Hood? Mayor Kimbureau? Ms.
8 Longstreth? Mr. Miller is here. Mr. Conroy is here.
9 Mr. Parks is here. Mr. Moore? Mr. Thomassy is here.
10 Mr. Reedy is here and Mr. Johnson is here.

11 Did I miss anybody? Well, good.

12 Lisa was kind enough to do some
13 minutes for us. They look right to me.

14 Anybody got any additions,
15 questions, deletions?

16 MR. RON LEVY: Site tour, in terms
17 of those folks who are identified correct? Set to go
18 tomorrow.

19 MR. JAMES MILLER: One question,
20 where do we meet at?

21 MR. RON LEVY: Right here.

22 MR. CHARLES TURNER: Right here out
23 by this door, by the stairway?

1 MR. RON LEVY: Right in front, yes.

2 MR. ELSER: That's 1:00, right?

3 MR. RON LEVY: Right.

4 MR. PETE CONROY: Where do we have
5 the minutes, Charles?

6 MR. BART REEDY: When is that,
7 tomorrow?

8 MR. CHARLES TURNER: These are
9 minutes right there in your hand.

10 MR. PETE CONROY: Good.

11 MR. CHARLES TURNER: The membership
12 is well outnumbered by guests this evening. So,
13 rather than direct my attention right now to them, I'm
14 going to direct it to y'all. And we appreciate you
15 coming.

16 We have realized the errors of our
17 ways and relaxed our strict set of bylaws and hope to
18 proceed in a more relaxed fashion. If you've got a
19 question, just blurt it out or raise your hand.

20 Sam Noble, our court reporter,
21 would like to know what your name is, so, at some
22 point, please, identify yourself.

23 But again, thank you all for

1 coming. We've got a guest speaker tonight. And
2 Mr. Levy is going to introduce the speaker to you.

3 MR. RON LEVY: Yes. We have had a
4 lot of interest in the unexploded ordnance side of the
5 house. Kelly Rigano from Army environmental center is
6 going to talk to us about unexploded ordnance
7 technology. Kelly?

8 MS. KELLY RIGANO: Okay. I think
9 it might help if we dim the lights a little bit. As
10 stated, I am here to talk about unexploded ordnance.

11 I always like to start out with a
12 few pictures to get us in the right frame of mind. I
13 work at the Army Environmental Center. I've worked
14 for the Army for twelve years and I've worked for the
15 Army Environmental Center for five years, now. And I
16 have worked in that time on unexploded ordnance.

17 Here we go, that's a little better
18 --

19 MR. CHARLES TURNER: Can I
20 interrupt you just one second. If y'all can't see,
21 move your chairs, feel free to move your chairs around
22 so that you can.

23 I'm sorry, Ms. Rigano, go ahead.

1 MS. KELLY RIGANO: What I do within
2 the Army Environmental Center, within our
3 environmental technology division, is work on
4 unexploded ordnance and technology, detection of
5 unexploded ordnance, such as UXO, characterization of
6 UXO and remediation of UXO.

7 Let me hasten to add, I have not
8 been directly involved with actual clean up efforts.
9 The Army Environmental Center does not perform the
10 clean ups of UXO on a broad basis.

11 I look to, in many cases, the Corps
12 of Engineers as one of the prime users of the
13 technology that I analyze. It was felt that it was
14 appropriate for me to stand before you today, though,
15 so I can share with you what I know about the state of
16 the art, technology-wise. I can come to you and
17 explain a little bit more about unexploded ordnance
18 and how technology deals with unexploded ordnance.

19 I have an overall program within
20 the Army Environmental Center, and as such, I have
21 certain objectives for this program. Obviously, there
22 is a need to improve the management, the
23 characterization, and the remediation of UXO sites on

1 all of the ranges: BRAC, as you're well aware of,
2 formerly used defense sites, active sites, test
3 ranges, property that doesn't even reside within the
4 government and never has actually been a formerly used
5 defense site.

6 I want to establish more capable
7 and reliable and cost effective methods for UXO
8 characterization and remediation. As you'll learn a
9 little bit more in my presentation, I would say the
10 technology is still somewhat in its infancy in regard
11 to dealing with UXO issues and problems.

12 Want to provide complete
13 information and tools for the planning and decision
14 making. Along those lines, the program that I do work
15 on can be broken into these very specific areas. I've
16 overseen some very major technology demonstrations,
17 which I will detail more fully for you later in my
18 presentation. Doing more in the area of information
19 management and decision analysis. And the other as
20 stated, I don't need to detail them further for you.
21 You can look at those.

22 I work very closely with other
23 government organizations such as the Navel EOD

1 Explosive Ordnance Disposal Technology Division. They
2 serve as, in a sense, my technical right hand,
3 providing program management and technical expertise.
4 I also deal with the Air Force, Wright (phonetic)
5 Laboratories at Tindell (phonetic) Air Force Base.
6 Just trying to get across that we coordinate in a
7 variety of manners, with many different agencies.
8 I've just named two of them for you.

9 I thought I would begin by showing
10 you a few pictures of the way UXO characterization is
11 traditionally done. You look at men out in the field
12 with some type of manual systems, man-portable
13 systems, traversing lines and putting many flags in
14 the ground. This is pictures -- these are pictures
15 from Fort Meade.

16 I thought I'd also provide a little
17 bit of background information for you regarding
18 technology, a few specifics. There are five major
19 sensors that can be employed for UXO detection. When
20 I talk about UXO detection, I'm primarily talking
21 about subsurface UXO detection and not really mine
22 detection.

23 They really can be classified as

1 two different problems, subsurface detection is a
2 little bit different than the mine detection. Mines,
3 especially many of them today, now are plastic. And
4 that's in a sense a whole other ball of wax. Not what
5 we're dealing with with most of the UXO items that
6 reside within the United States.

7 Five major detection sensors:
8 Passive magnetometers, active electromagnetics, ground
9 penetrating radar, infrared sensors, and then a
10 combination of these sensors, multiple sensor
11 approaches.

12 I had to smile when I looked at
13 this chart a few minutes ago -- and I want to
14 apologize to you, also. I gave a very similar
15 presentation to them down in Panama. And so, this is
16 the one chart that I missed when I scrubbed all my
17 charts for presentation. I don't think you care
18 whether these technologies are applicable for use in
19 Panama, so, I apologize for that.

20 You will be able to look through
21 the presentation hand outs, to spend a little bit more
22 time, if you desire, about the specifics of these
23 sensors. I don't know that there is any need for me

1 to go into a great deal of detail for you right now.

2 MR. RON LEVY: Did you have a
3 question, Mark.

4 MR. MARK ANDERSON: Yes, I do.

5 MS. KELLY RIGANO: Yes.

6 MR. MARK ANDERSON: Have these
7 technologies been through any kind of proof of
8 concept? Were they used in the humanitarian mine
9 clearing in Cambodia or anything like that?

10 MS. KELLY RIGANO: Well, some of
11 them, some of these types of sensors certainly have
12 been employed in that manner. When you think of these
13 sensors, you also need to think that they can be
14 employed on different types of platforms, man-portable
15 platforms, vehicular platforms, airborne platforms.
16 So, any of these sensors can be employed on any of
17 those types of platforms.

18 When you're specifically looking
19 for mines, for instance, you very well may use some
20 active EM types of technologies. I'm just giving you
21 broad brushed, the types of sensors.

22 I will show you many commercially
23 available systems and how they have fared during

1 testing. And I think that will address some of your
2 concerns.

3 MR. PARKS: Please, ma'am, what do
4 you mean by limited by vegetation? Four of them has
5 got that on that.

6 MS. KELLY RIGANO: That's correct.

7 MR. PARKS: Is that grass or --

8 MS. KELLY RIGANO: That can be
9 grass, trees, certainly, yes, vegetation, any type of
10 vegetation. If there is some type of ground cover, it
11 does affect the sensor.

12 In many cases, to perform surveys,
13 trying to utilize some of these sensors, much of that
14 vegetation would need to be removed.

15 MR. JAMES MILLER: Are you telling
16 us that you have those type of sensors or are they
17 going to be using those type of sensors?

18 MS. KELLY RIGANO: All of these
19 sensors have been tested on different types of
20 commercially available systems. And I will get into
21 more details about those for you, momentarily.

22 Not to say that for an application
23 for UXO, all of these sensors work well. You wouldn't

1 even want to touch them with a ten foot pole.

2 MR. RON LEVY: James, are you
3 talking about Fort McClellan using those?

4 MR. JAMES MILLER: Yes.

5 MR. RON LEVY: Decision in terms of
6 what we're going to do have not been made. She's just
7 giving us an overall briefing.

8 MR. JAMES MILLER: Of what they
9 have available?

10 MS. KELLY RIGANO: Yes.

11 MR. RON LEVY: Yes.

12 MS. KELLY RIGANO: My intent was to
13 help provide information, then decision makers can
14 better use to make the decisions that need to be made
15 regarding UXO clean up, characterization, that type of
16 thing. As I said, a final option is to use a
17 combination of several of these sensors.

18 And as I see technology progressing
19 over the year, more technologies, more systems, are
20 utilizing multiple sensors. And that can, of course,
21 increase your probability of detection and reduce your
22 false alarms. So, there are very significant benefits
23 to using multiple sensors.

1 As I said, all of these sensors can
2 be employed on different types of operational
3 platforms. And really what ends up being the optimum
4 is possibly a combination of the three top -- really,
5 the two, vehicle towed and man-portable.

6 And again, and I'll tell you in
7 just a minute, based on different demonstrations that
8 we've conducted over the past few years, airborne
9 technology has not proved to be successful for UXO
10 characterization, whatsoever.

11 The man-portable in combination
12 with vehicular towed can be optimum. In some
13 circumstances, you are limited by terrain and you may
14 be forced to just employ man-portable. It's all going
15 to depend on your very specific circumstances.

16 What I've been speaking about for
17 the past few minutes has been the detection, the
18 characterization technologies. I also wanted to spend
19 several minutes about remediation, digging the rounds
20 up.

21 The way it's traditionally done,
22 again, is a man is getting out there and he's digging
23 in the dirt. It can be very labor intensive.

1 Obviously, with a man that close to your ordnance
2 items, there are more risks to your workers.

3 When you step back, you look at
4 manually operated excavators or other heavy equipment
5 and then the next step up is remote operated,
6 autonomous, tele-robonic type of equipment, again,
7 excavators and heavy equipment.

8 MR. CHARLES TURNER: Ms. Rigano,
9 how many casualties have y'all had interrogating UXO?

10 MS. KELLY RIGANO: I do not have
11 the statistics which you're specifically talking
12 about. But I think the number is very low. I do not
13 know of any that, for instance, the Huntsville
14 formerly used defense site clean up entity, if you
15 will, are quoting, as far as remediation. Ones'ies
16 (phonetic) and twos'ies (phonetic), if at all.

17 When you talk about UXO
18 remediation, there can be UXO remediation on sites
19 such as yours, a BRAC property, but you can also have
20 UXO remediation on active training ranges, where you
21 have military personnel going out and performing
22 military clean up efforts, that type of thing. And I
23 think there along the way have been some type of small

1 number of military accidents, over the years, maybe
2 going across property that wasn't as safe as it -- and
3 they shouldn't have been going across it, that type of
4 thing.

5 I think that the DoD explosive
6 safety board may have better statistics along those
7 lines. And I can help you in making contact with them
8 to get more details.

9 MR. CHARLES TURNER: Thank you.

10 MS. KELLY RIGANO: But very small.

11 MR. RON LEVY: Kelly, are you aware
12 of any clean up, not EOD operations, but clean up,
13 either at a BRAC installation or accessing of
14 property, where somebody was killed?

15 MS. KELLY RIGANO: No, I'm not
16 aware of any, no, I'm not.

17 MR. RON LEVY: Okay.

18 MR. FERN THOMASSY: A couple of
19 things. One, from what I've seen, certainly, the
20 active EM and the magnetometer, really, are the only
21 two technologies that are reliable right now.

22 In utilizing them, what is the
23 process? Do you go in, utilize them to make your best

1 determination, then do the remedial action to some
2 base depth and then declare that property clear,
3 usable, for what purposes? What restrictions still
4 remain today with the type of remedial action you do
5 on a property after it's been handled?

6 MS. KELLY RIGANO: I don't know
7 that I'm fully able to address the full process as
8 you're asking about. Step one, characterize the site
9 in some form. The way -- the best way it can be done
10 now is to collect data and you can then have some
11 target maps, which you deal with, as opposed to that
12 earlier picture that I showed you where there is just
13 a lot of flags out on the ground.

14 You collect all the data that your
15 sensors are processing. You analyze, you post-process
16 that data. You then have a target map of your site.

17 The next step then may or may not
18 be to dig in the dirt, regarding what you find. You
19 may dig down to a certain level. Very large UXO
20 items, very large two thousand pound bombs could go as
21 deep as thirty feet. I don't know that the reuse of
22 the property would dictate you ever digging up a
23 thirty foot buried two thousand pound bomb. It's not

1 hurting anything, if it's in place and not disturbed.

2 It does go hand in hand with your
3 reuse. Are you going to clean up? To what degree?
4 What is your reuse? They have to be thought of
5 together to make all of your decisions. And sometimes
6 that can be very hard.

7 What comes first, the chicken or
8 the egg? The decision for property reuse or your
9 clean up? The DoD explosive safety board has certain
10 guidelines right now, based on one foot, four foot,
11 and ten foot, which I can share with you, get you
12 copies of, about clean up standards, if you will. A
13 lot of people --

14 MR. MARK ANDERSON: Please, please.

15 MS. KELLY RIGANO: I have a copy
16 and will get copies made for you.

17 MR. MARK ANDERSON: All right.

18 MS. KELLY RIGANO: That one foot,
19 four foot, and ten foot standard is still, as I
20 understand it, in draft form.

21 Other than this, there has been no
22 DoD published standards for clean up. The work that I
23 reference, that I had that little mistake on that

1 earlier chart was for an effort that I, in conjunction
2 with other agencies, worked on for Panama. And we
3 looked at the site. We performed a hazard assessment
4 of that site, based on types of ordnance, the density
5 of ordnance, all the historical knowledge that we had.
6 We then worked with EOD experts to quantify that risk,
7 that hazard assessment.

8 And now, a decision maker can look
9 at these hazard assessments, pretty colored maps, and
10 better also make decisions about reuse and clean up.
11 Is that, in a sense -- I think that's about the best I
12 can to fully address what you're asking.

13 I know that the Corps of Engineers,
14 once again, Huntsville division, does do actual
15 remedial efforts for formerly used defense sites. And
16 they contract routinely for these efforts. And in
17 coordinating with them, we may be able to provide you
18 a little bit more specific information along those
19 lines.

20 MR. FERN THOMASSY: What I'm
21 driving at is: It sounds as though most of what you
22 can do right now, even with some digging, is clear an
23 area to be utilized by foot traffic in the future.

1 Which probably makes it a refuge or a hunting area.
2 But there is little or no way right now, that you can
3 clear an area for industrial use and construction.

4 MS. KELLY RIGANO: I wouldn't say
5 that.

6 MR. FERN THOMASSY: Okay. Are
7 there examples --

8 MS. KELLY RIGANO: I don't really
9 agree with that.

10 MR. FERN THOMASSY: Are there
11 examples of that having been done?

12 MS. KELLY RIGANO: I don't really
13 agree with that. I know that, for instance, at
14 Aberdeen Proving Ground, there have been surveys,
15 characterization efforts, significant digging.
16 Whenever any building goes on on Aberdeen Proving
17 Ground, the men with the magnetometers are out there,
18 sweeping the area, prior to any digging events being
19 undertaken.

20 So, it does not preclude any future
21 development. You would have to do some significant
22 sweeps. You may have to do sweeps -- one sweep and
23 then dig down a certain number of feet and then do

1 another sweep to see if there is something even
2 further buried.

3 But I wouldn't think that no
4 development could take place on any site like that. I
5 do not believe that to be the case, at all.

6 MR. FERN THOMASSY: It could be
7 done on an exception basis, but a very, very expensive
8 intricate process is what you're talking about.

9 MS. KELLY RIGANO: Possibly.

10 MR. FERN THOMASSY: Right now,
11 that's the best you --

12 MR. CHARLES TURNER: Ms. Rigano,
13 I've got a bunch of questions along the lines of his.
14 Would you prefer that we hold them until you're
15 finished with your --

16 MS. KELLY RIGANO: This is your
17 forum, it's up to you. I don't mind, at all.

18 MR. CHARLES TURNER: Well, in that
19 case then, what is the current status of the
20 technology -- we've been told before that identifying
21 buried UXO that could be pretty deep would be
22 difficult on a slope to begin with. So, is there
23 technology that you're aware of that's being developed

1 that could address that?

2 MS. KELLY RIGANO: Well again, when
3 you have terrain dependencies, I think you're looking
4 at having to employ a manual system, if you have
5 severe terrain limitations.

6 MR. CHARLES TURNER: How deep can
7 you go on a slope? How deep will the current
8 technology permit you to go down, say on a first
9 sweep?

10 MS. KELLY RIGANO: It's going to
11 depend on a lot of your ground characteristics. Just
12 because it's on a slope doesn't really make any
13 difference versus if you're on flat terrain.

14 MR. CHARLES TURNER: It just makes
15 the getting to it more difficult.

16 MS. KELLY RIGANO: That's correct.

17 MR. MARK ANDERSON: Are you talking
18 about making it a man-portable --

19 MS. KELLY RIGANO: Yes.

20 MR. MARK ANDERSON: -- sensor of
21 some type?

22 MS. KELLY RIGANO: Yes.

23 MR. RON LEVY: What is the damage

1 that's done to the land?

2 MS. KELLY RIGANO: If a significant
3 UXO surface restoration or surface -- UXO
4 characterization/restoration effort is undertaken, the
5 first step is typically to perform a surface sweep, to
6 pick up the debris, to pick up any UXO items that are
7 on the surface.

8 That entails men walking on the
9 ground, picking up a lot of these things that you
10 find. If there is very high brush, weeds, that would
11 entail possibly burning that, clear cutting. A very
12 significant effort in itself.

13 MR. RON LEVY: What about -- and
14 again, we're talking magnetometer type work -- what
15 about soils that tend to have high iron ore content,
16 do you not get false readings?

17 MS. KELLY RIGANO: You certainly
18 can, yes.

19 All of the Hawaiian Islands, that
20 there is significant dollars for clean up of this
21 island, has just the characteristics that you're
22 talking about. And there are some real problems with
23 -- given that, magnetometers are one of the optimum

1 sensors to find metallic objects, you have the
2 limitations that they may not be able to be
3 successfully employed in that environment.

4 So, it is again terrain or
5 geographic or geologic constraint (inaudible).

6 MR. BART REEDY: The mag and the
7 EM, both, don't both of those -- do both of those not
8 eliminate the halo effect from the high iron?

9 MS. KELLY RIGANO: I'm not --

10 MR. BART REEDY: Both of them still
11 have the halo effect of a small piece reacting and
12 looking like a large piece.

13 MS. KELLY RIGANO: That can be an
14 issue. A lot of that can depend on the
15 post-processing and how it's examined, also.

16 MR. CHARLES TURNER: Ms. Rigano,
17 I've got one more question on this same subject.

18 MS. KELLY RIGANO: Sure.

19 MR. CHARLES TURNER: Are you
20 familiar with the DoD Draft Range Rule?

21 MS. KELLY RIGANO: Sure.

22 MR. CHARLES TURNER: Under
23 technology development -- I'm going to read from it --

1 finally, fully recognizing the limits of today's
2 technology to reliably find subsurface UXO, DoD is
3 committing resources to develop, in concert with the
4 private sector, new and emerging technologies that
5 would improve the ability to locate and eliminate UXO.
6 Therefore, DoD sees a pressing need for additional
7 research in these areas.

8 Do you know what resources they're
9 talking about? I mean, is that actually money?

10 MS. KELLY RIGANO: When it's being
11 referred to resources there, yes, they are talking
12 about money. I will say that it's limited. There are
13 two major DoD programs for -- very developmental
14 programs. It's called SR -- Strategic Environmental
15 Research and Developmental Program. And then ESTZP,
16 Environmental Certification Technology --
17 Environmental Security Certification Technology
18 Program.

19 These two programs take -- started
20 -- the first program SERDP starts at the basic very
21 research and development part of a program. The
22 Environmental Security Certification Program looks at
23 the latter development and the application and the

1 testing of it.

2 Both programs fund environmental
3 technologies of which UXO is a piece. So, there are
4 several million dollars, I think, for several years,
5 for SERDP and ESTCP combined.

6 MR. CHARLES TURNER: One of the
7 things we were thinking of -- I'm also associated with
8 the reuse authority -- is that if we could get
9 somebody, some group that does UXO work now, to come
10 here and like to try and develop a center of
11 excellence for UXO. See, we've got all this UXO they
12 could work on and develop technology -- maybe they
13 could work at developing technology to clean it up and
14 in the meantime, start cleaning up the mess we've got
15 here.

16 Would that -- would that be
17 something that might fit under this -- what I just
18 read and what you just talked about?

19 MS. KELLY RIGANO: Well, I'm not
20 completely sure. I think that other places have had
21 similar ideas, as you're just suggesting, Jefferson
22 Proving Ground for one. Also a base closure site with
23 fifty thousand acres of significant UXO

1 concentrations.

2 I don't know that I'm really able
3 to answer your question, if we build it, will they
4 come, that type of mentality, I'm not sure. I know
5 that the contractors in many cases are able to obtain
6 or even utilize just pieces of metal, signifying or
7 representing UXO, and they don't have as great a need
8 to have access on a routine basis that you're talking
9 about.

10 Now, certainly, there are certain
11 applications, certain circumstances for contractors
12 who want to go out on a site, but they have many sites
13 across the country that they seem to be able to go to.

14 MR. CHARLES TURNER: Okay. Thank
15 you.

16 MR. MARK ANDERSON: I got about a
17 million questions that just float out of that last
18 one. But the research programs that you're doing
19 right now, are there any APDs scheduled for this FY or
20 next?

21 MS. KELLY RIGANO: Next. Why don't
22 you let me go through the remainder of my
23 presentation, because what I am going to talk about

1 are the demonstrations that my agency and I have
2 overseen for the past three years about technology.

3 MR. MARK ANDERSON: But before you
4 go from that one, how is the money currently
5 allocated?

6 MS. KELLY RIGANO: The money for
7 these demonstrations that I am going to talk about --

8 MR. MARK ANDERSON: I'm sorry. Not
9 for the demonstrations. I'm specifically referring to
10 the research program.

11 MS. KELLY RIGANO: The ESTCP and
12 the SERDP programs come down through Environmental
13 Security.

14 MR. MARK ANDERSON: Okay. We're
15 meeting with them day after tomorrow.

16 MS. KELLY RIGANO: For three years,
17 there has been some significant congressional funding
18 and interest in the area of unexploded ordnance
19 technology. I think the impetus for this started back
20 in '92/'93 as a result of Jefferson Proving Ground
21 being closed, another significant UXO site.

22 The Indiana delegation did push for
23 and it did occur that there be some significant funds,

1 as I talked about, being devoted for assessment of
2 technology. And we're talking about -- when you look
3 at these three years of programs, on the order of
4 almost ten million, almost ten million, almost five
5 million, so, significant funds.

6 Other than this, there have been no
7 funds, other than small dollars in the ESTCP and SERDP
8 programs. There is no institutional funding line for
9 UXO technology. It's a recognized concern.

10 When we started the Jefferson
11 Proving Ground program, we decided that it would be
12 best to create a test site by implanting inert
13 ordnance on this test site. We established one
14 hundred and twenty acres that we could bring
15 commercially available government owned technology,
16 whatever was available, out to this test site to
17 characterize our test sites or perform remediation
18 demonstrations.

19 As I think I've been alluding to,
20 our program at JPG, as has much of my work over the
21 past years, been directed as seeking safer, more
22 economical technology and more effective technology
23 for UXO characterization and remediation.

1 As I have highlighted in blue, our
2 demonstrations have been result oriented. We've
3 established metrics and criteria to examine existing
4 technologies.

5 Up until this point, there has been
6 no base line. There have been many contractor claims
7 as to what technology can and can't, but there has
8 never been a baseline for performance nor has there
9 been a comparison of technology. And that's what this
10 program has done.

11 Over the past few years, we've
12 demonstrated over sixty-five technologies. For three
13 years in a row, we've gone to Jefferson Proving
14 Ground. But also, back here -- let's see, I should
15 have also -- I also have written down a set of live
16 site demonstrations here in the middle here.

17 When I say "live ordnance site
18 demonstrations," we took optimum performers from our
19 phase one demonstration period and we went to
20 different sites across the country. We had five
21 different sites that contained live ordnance, Eglin
22 Air Force Base, a different portion of Jefferson
23 Proving Ground, Yuma Proving Ground in Arizona, South

1 Carolina, Charleston, the name is escaping me, and
2 McCord Air Force Base.

3 So, we tried to get different
4 geographic and geological differences for these
5 technologies to also assess their performance.

6 MR. MARK ANDERSON: I got another
7 question.

8 MS. KELLY RIGANO: Yes?

9 MR. MARK ANDERSON: That stops with
10 '95. What's -- how much money did you get for '96 and
11 '97?

12 MS. KELLY RIGANO: We did not have
13 tests -- we did not have any funding in '96. Although
14 you will see the fiscal years here, the money came
15 through so late in the fiscal year, the testing did
16 not really occur until the following year.

17 MR. MARK ANDERSON: I understand.

18 MS. KELLY RIGANO: So, we had
19 testing the summer of 1994, the summer of 1995, and
20 the summer of 1996. The testing that was completed in
21 the summer and fall of 1996, we now have the report
22 that will be published within the next several weeks.
23 And I will be more than happy to share that with you.

1 We make all of these reports open and available to
2 anyone who is interested in obtaining them.

3 What I will do today is give you in
4 a nutshell some of the significant results from all of
5 the phases of demonstrations that we have conducted.

6 To briefly summarize the
7 demonstrations, we have looked at all of the different
8 types of sensors, we've looked at multiple sensors and
9 multiple platforms being utilized. We've looked at
10 the different types of remediation systems.

11 I always like to put up a few
12 pictures to give people the visual ideas of what we're
13 talking about. And the reports that I do have
14 available give little sections and chapters dealing
15 with all of these different types of technologies. I
16 didn't think it may be necessary to go into the
17 specifics of every picture that you see here, but this
18 does give you an idea of the broad range of
19 technologies that you see.

20 Some are very interesting. Some
21 were not as commercially ready as they could have
22 been. We saw a lot of duct tape in fact out on some
23 of our first demonstrations. I think the

1 demonstrators learned a lot themselves by coming out
2 to a test such as what we had out at Jefferson Proving
3 Ground.

4 What I don't have is a picture of
5 our airborne technologies. An oversight on my part.
6 I apologize. You would see a picture of a helicopter
7 or a small fixed wing airplane.

8 MR. FERN THOMASSY: What do they
9 use airborne, infrared or ground --

10 MS. KELLY RIGANO: Yes --

11 MR. FERN THOMASSY: -- or ground
12 penetrating?

13 MS. KELLY RIGANO: Yes, both, and
14 neither was in any way successful. One even did try
15 and hang a magnetometer from a boom, and that -- I
16 think part of the problems, especially with our
17 airborne systems was incredible navigation areas. To
18 pinpoint a spot right on the ground when you're flying
19 and towing a sensor, they didn't even have all their
20 navigation problems worked out.

21 So, you kind of have to step back
22 and say, is it a sensor problem, is it a vibration
23 problem? You're going to have a lot more vibration

1 with an airborne platform. Is it a navigation issue?

2 And we did not go into depth on
3 those questions. That was not the intent of these
4 demonstrations. When I said it was a results oriented
5 test, I meant we wanted to know primarily what is the
6 detection rate for these systems, what are the false
7 alarm rates, can they characterize the ordnance, can
8 they classify it as to size, can you give us a depth.
9 Not, why didn't they work. I didn't -- I was not able
10 to answer the whys, because I didn't have enough time
11 or resources to do that, also.

12 But I did feel it critical to
13 answer the overall detection rates and false alarm
14 rates questions.

15 I don't like the way this is
16 showing up with a sleeve.

17 MR. BART REEDY: PD stands for
18 positive --

19 MS. KELLY RIGANO: Probability of
20 detection. I'll show you some pretty graphs. Maybe
21 in fact I'll put this one up right now.

22 Overall, first and foremost, you
23 want to be able to detect your ordnance. When our

1 demonstrators started out, during our first phase at
2 Jefferson Proving Ground, our demonstrator
3 probabilities of detection were on the order of fifty
4 to sixty -- well, I guess, almost sixty-five percent.
5 Let's call it sixty-five percent for the highest
6 demonstrators.

7 So, that demonstrator could only
8 find sixty-five percent of the ordnance that we had
9 implanted out on the site. And you can see, the
10 little black dashes are what represent our phase one
11 demonstrators. And many are grouped very low, below
12 ten percent.

13 You can't just ask the question,
14 what is your probability of detection. Hand in hand
15 with probability of detection is the false alarm rate.
16 How many false alarms are you also detecting when you
17 detect ordnance? And here, we have a number of false
18 alarms per hectare, because that's what we utilized
19 out at Jefferson Proving Ground, hectares. A hectare,
20 I think, is on the order of two and a half acres.

21 You can see that we are having,
22 also, significant numbers of false alarm rates. Our
23 optimum performers, we want to be up in this corner,

1 high detection rates, very low false alarm rates.

2 When you're talking about some of
3 these demonstrators, you're finding numerous, numerous
4 false alarms for every ordnance item that you detect.
5 Translated into -- that might be a lot of holes that
6 you're digging that you don't uncover an ordnance
7 item. It might be a can. It might be some nails. It
8 might be some building material.

9 You can see from our
10 demonstrations, phase two performance are the little
11 blue triangles, a nice increase in detection
12 capabilities. The red represents our phase three
13 detection capabilities.

14 Have the systems truly increased in
15 their performance capabilities? To some degree. As I
16 said earlier, I think some of it is an education
17 benefit from these programs. Several of our
18 demonstrators did demonstrate in all three phases.
19 You say, why did you have the same demonstrator back
20 again. They convinced us in their proposals that they
21 had made significant changes to their system to
22 warrant a retest. So, we wanted to retest them.

23 Again, talking about navigation,

1 when we looked at our demonstrators, way back during
2 phase one, they would give a point on the ground, but
3 they could be as much as a meter off with the -- of
4 one meter radial error.

5 So, plus or minus one meter, they
6 could have been off on that spot on the ground that
7 they listed on the data sheet that they handed us.
8 Significant. Think of the hole you could be digging
9 if you were a meter off on either side.

10 That has been reduced to a half a
11 meter for our demonstrators during the phase three.
12 So, that's been a significant change.

13 MR. FERN THOMASSY: What technology
14 is represented by those three blocks up there in the
15 upper left hand corner or are they a variety?

16 MS. KELLY RIGANO: They are either
17 magnetometer or EM base or a combination thereof.

18 MR. CHARLES TURNER: How did the
19 golf cart do?

20 MS. KELLY RIGANO: I don't remember
21 offhand what their specific performance was. But they
22 -- I'm not sure.

23 MR. MARK ANDERSON: What that's

1 showing, I guess, is that the more sensitive the
2 detector, the more likely it is also to have some type
3 of reading of something that may not be actually a
4 munition.

5 MS. KELLY RIGANO: It's really a
6 trade off. Where do you set your sensitivity reading?
7 It's not a case of how sensitive necessarily, but
8 where do you set that threshold? And if you set it in
9 one direction, you may be getting so many more false
10 alarms than you really want to see. If you set it to
11 low, then you're not finding as many ordnance items as
12 you need to be.

13 During the first two phases of the
14 demonstrations, our technologists came out to the site
15 and were asked to go over their plots of land. And on
16 these plots of land, we had buried the inert ordnance
17 that I talked about, all different sizes and types,
18 from very small items up to very large items.

19 So, we were not giving these
20 systems a lot of historical benefit about the site.
21 It wasn't just that this is an old artillery range,
22 you're only going to find artillery items out here, it
23 was everything.

1 radar, for example, would not work very well in the
2 JPG environment, because of the very clay type soils
3 that were there. High moisture content ground,
4 penetrating radar does not work very well with that.

5 So, we took it out to Yuma Proving
6 Ground. Very dry. We thought, this is one of the
7 best places for ground penetrating radar to work.
8 Let's see how it does.

9 We didn't see those changes, those
10 environmental changes. What we saw were the best
11 demonstrators at JPG were the best demonstrators on
12 the other sites.

13 And again, this could be an
14 educational process. Those systems that did perform
15 best at JPG were the most furthest developed. For
16 instance, it could be numerous things that enter into
17 that equation. But we did not see the differences
18 that we were first expecting.

19 Yes, sir?

20 MR. BART REEDY: The phase three
21 was: They had different scenarios. Could you speak
22 to that with like, this is an area of two thousand
23 pound bombs?

1 MS. KELLY RIGANO: We have -- and I
2 have it well documented in the report. But, yes, the
3 scenarios, they had a lot of information about what
4 they could expect to find out on those sites.

5 MR. BART REEDY: So then, the
6 number of -- the chart there contains both a junk
7 yard, if you will, of UXO detection, false alarms,
8 plus a well grouped or sieved group of sites, two
9 kinds of -- two kinds of demonstrations on the same
10 chart?

11 MS. KELLY RIGANO: Yes, in a sense.
12 They were still the same type of false alarms out on
13 all of those sites. But, yes, they are -- there is
14 that difference that you're talking about, that's
15 correct. We told them more information about --

16 MR. BART REEDY: Could you tell me
17 what the -- were there three? I thought you said
18 three different scenarios.

19 MS. KELLY RIGANO: Yes, three
20 scenarios.

21 MR. BART REEDY: Could you speak to
22 that, briefly?

23 MS. KELLY RIGANO: We had an

1 artillery range, we had a bombing range, and we had
2 small, small things. I've got some more documentation
3 in my briefcase that I can share with you that will do
4 a little bit more adequate job in explaining what
5 you're asking. And I'll share that with you in a few
6 minutes.

7 MR. CHARLES TURNER: How is blast
8 in place as a detection and elimination technology?

9 MS. KELLY RIGANO: When you're
10 talking about blowing in place, that's usually on the
11 site of the remediation. You have to find it before
12 you can blow it in place. When you're talking about
13 blowing it in place, it's because you don't feel that
14 it's safe to move and so you want to get rid of it
15 right in place and that's why you blast it.

16 MR. CHARLES TURNER: We want to put
17 a highway through, and it's going to go right over a
18 range, and we wondered if we couldn't just go -- go
19 through that range, instead of spending a bunch of
20 time looking for it, we know it's there, if you could
21 put a bunch of explosives in the ground and just go
22 ahead and blow up whatever is there?

23 MS. KELLY RIGANO: I don't think

1 that would be feasible for you.

2 MR. MARK ANDERSON: Recon by fire.

3 MR. CHARLES TURNER: Is it not
4 effective?

5 MS. KELLY RIGANO: I think that you
6 would be talking about a tremendous amount of
7 explosives. I think that setting something off like
8 that may have extreme environmental detriments. I
9 don't know that you would ensure that you would be
10 having all of those UXO items in that trail go off.

11 MR. MARK ANDERSON: Run the risk of
12 them being sensitized.

13 MR. CHARLES TURNER: I mean, if an
14 explosion is not going to set them off, what will?

15 MR. HARRY THOMAS: Well, an
16 explosion would set off everything that was in the
17 crater and you would be able to see the stuff that's
18 in the crater. But are you going to crater every
19 square inch of the thing all the way through?

20 MR. CHARLES TURNER: Yes, if that's
21 what it takes to get the highway built, we will.

22 MS. KELLY RIGANO: I'm not speaking
23 with a lot of knowledge to address your question here,

1 but I don't know that it would even be possible.

2 MR. CHARLES TURNER: We need the
3 highway pretty bad is why I'm --

4 MR. BART REEDY: Charles, we may
5 have to build you a bridge.

6 MS. KELLY RIGANO: I don't think
7 that clearing a twenty foot or thirty foot swatch
8 through some property would be any great problem for
9 you to do that, nor any great, great expense.

10 MR. CHARLES TURNER: Did you hear
11 that, Ron?

12 MR. RON LEVY: Charles, you're
13 scaring me.

14 MS. KELLY RIGANO: I mean, I think
15 you could do that easier than you could trying to set
16 off explosives all the way around that --

17 MR. RON LEVY: I could just see
18 everything flying out.

19 MS. KELLY RIGANO: That's a novel
20 approach. I have not heard that one.

21 MR. RON LEVY: I mean, that's how
22 they clear surface. That's how they clear surface
23 mines, where they shoot, what it's called fast can

1 (phonetic)?

2 MR. HARRY THOMAS: You're talking
3 about --

4 MR. MARK ANDERSON: Mik-lick
5 (phonetic) mine clearing line charge.

6 MR. RON LEVY: But it's for
7 surface. So, things that are buried deep, I mean --

8 MR. CHARLES TURNER: Well, I wasn't
9 talking about, you know, thirty feet down.

10 MR. RON LEVY: Well, I mean, if
11 they go make some of those big cuts out there --

12 MR. FERN THOMASSY: We used to use
13 fuel air explosives.

14 MR. HARRY THOMAS: Plus, in those
15 situations, you're not worried at all about other
16 environmental damage that you may cause. You're
17 talking about war time situation where you're killing
18 people and destroying stuff, so you're not just
19 worried about incidental environmental damage.

20 MS. KELLY RIGANO: I just don't
21 think you could blanket go in there --

22 MR. PARKS: You blew the woodpecker
23 up.

1 MR. CHARLES TURNER: Yes, the
2 woodpecker might take some hits.

3 MS. KELLY RIGANO: And you could
4 never set it off all at once, either.

5 MR. RON LEVY: You would have so
6 many lawsuits and foundations being shook right off
7 the --

8 MR. CHARLES TURNER: But it would
9 be cool.

10 MR. BART REEDY: I like the idea,
11 Charles.

12 MR. RON LEVY: I would like to see
13 it, that's for sure.

14 MR. CHARLES TURNER: We can sell
15 tickets.

16 MR. FERN THOMASSY: Charles, that
17 eastern bypass was the basis for my original question,
18 and she answered it. The way you're going to have to
19 go through there is lay out that area. And then
20 intricately, they're going to go through and they're
21 going to clear the surface and then they're going to
22 clear down to the depth that they have to put a footer
23 and they have to dig and they have to expose machinery

1 and people until they can get all the way through.
2 And I believe that's what we've got to push for the
3 Army to do in regards to that.

4 MR. MARK ANDERSON: The way I read
5 the existing munitions rule -- now, not the range
6 rule, but it could wind up being a management by
7 exception, that you dig until you find one and then
8 you clear it and then you continue digging. Now,
9 that's the way that thing is written right now.

10 MR. CHARLES TURNER: I think my
11 solution is faster and easier.

12 MR. BART REEDY: And certainly more
13 dramatic.

14 MR. CHARLES TURNER: The surface
15 stuff, you can knock it out in an afternoon.

16 MR. MARK ANDERSON: If we could tie
17 it into another air show, it would be --

18 MR. CHARLES TURNER: I'm sorry, Ms.
19 Rigano. Go ahead, please.

20 MS. KELLY RIGANO: We talked about
21 detection rates. I tried to address for you the false
22 alarm rates, significant.

23 There's a real world example. I'll

1 talk about Fort Meade for just a second. A fellow who
2 works in my office has worked down at Fort Meade,
3 doing UXO characterization and clean ups. And he has
4 got some significant contracts to do clean ups on
5 property, cleaning up the surface, cleaning up to six
6 inches and cleaning up to eighteen inches.

7 He gave me some astounding
8 statistics, at least for Fort Meade. One out of every
9 ten thousand items that was picked up was ordnance
10 related. Ordnance related, that could have been a
11 fin. One out of every ten thousand ordnance related
12 items was hazardous.

13 Now, that's some significant clean
14 up that has occurred. And was it really warranted,
15 based from a risk standpoint?

16 MR. RON LEVY: Say that again,
17 Kelly, one out of --

18 MS. KELLY RIGANO: One out of every
19 ten thousand items that were picked up or you dug up
20 off say down to eighteen inches, was ordnance related.
21 It could have been a rocket. It could have been a
22 tail fin. It could have been a piece of ordnance that
23 was not in any way detrimental to anyone.

1 Of those ordnance items, ordnance
2 related items that were picked up, one out of ten
3 thousand was hazardous.

4 MR. BART REEDY: Chris, you're an
5 amateur statistician. What's that, one out of a
6 hundred thousand was a live round?

7 MR. PETE CONROY: Was hazardous.

8 MS. KELLY RIGANO: Yes.

9 MR. DEAN HUTCHENS: I don't know if
10 you know, Kelly. What was the density breaker --

11 MS. KELLY RIGANO: I do not know
12 that, unfortunately. I mean, they were picking up
13 debris right and left, so, obviously --

14 MR. DEAN HUTCHENS: Yes. There's
15 probably lots.

16 MS. KELLY RIGANO: -- to get
17 contracts we want to do that.

18 From this, this is part of the risk
19 management, the risk assessment. That's part of the
20 range rule. It will be part of the range rule. As to
21 how do you deal with these sites? Do you have to go
22 through on these sites and walk it every inch of the
23 way? Does a clean up to eighteen inches really buy

1 you more hazard reduction than a clean up to six
2 inches for instance?

3 Very good questions. I don't stand
4 here today with all of those answers. But we are
5 trying to look at those questions and get answers to
6 them.

7 MR. RON LEVY: Again, it comes back
8 to the reuse of the property and what the reuse is --

9 MS. KELLY RIGANO: As I understand
10 it, the property, most of the property at Fort Meade
11 is being used for relatively open access, as far as
12 hiking and fishing, wildlife use, that type of thing,
13 not developmental use, high developmental use.

14 MR. PETE CONROY: Of your
15 demonstration areas, how many of them were on
16 thirty-five, forty-five or steeper degree slopes?

17 MS. KELLY RIGANO: The
18 demonstration areas at Jefferson Proving Ground were
19 very flat. Again, this was just a test site for us.
20 And it wasn't necessarily representative of many real
21 world sites. And even that gave a lot of our
22 contractors problems. And that's why I say there has
23 been a tremendous knowledge awakening, if you will,

1 because some demonstrators, especially during phase
2 one, had trouble on our little golf course, if you
3 will. Now, it wasn't just as smooth as a golf course,
4 but you don't get much flatter than what we had out
5 there.

6 MR. PETE CONROY: And also, on the
7 demonstration areas, what degree -- to what degree was
8 there naturally occurring ferrous material? You were
9 saying it's clay type soils, so, I wouldn't guess
10 much, but --

11 MS. KELLY RIGANO: The soils were
12 clay --

13 MR. PETE CONROY: Was there
14 naturally occurring iron?

15 MS. KELLY RIGANO: No.

16 MR. PETE CONROY: Was it --

17 MS. KELLY RIGANO: No.

18 MR. PETE CONROY: -- mainly trash

19 --

20 MS. KELLY RIGANO: Yes, yes. What
21 we did to prepare the site is we conducted a surface
22 sweep, we had EOD units walking over the surface of
23 this site, picking up trash and debris off of the

1 surface. We also did a characterization of the
2 property, ourselves. And then we brought in all our
3 demonstrators.

4 We had dug several holes where we
5 thought there might have been inert ordnance -- where
6 we thought there might have been UXO on this test site
7 that we prepared. Demonstrators also found numerous
8 anomalies, which we had not implanted anything there.
9 So, we went out and dug many more holes after the
10 fact, if you will, to find out was there truly UXO in
11 those holes, were there debris. And I don't think we
12 really found any other UXO. We did find fence lines,
13 a lot of old building debris, that type of thing,
14 farming equipment, old farming equipment around.

15 MR. MARK ANDERSON: On the subject
16 of risk, actually you triggered something with me.
17 Fort Meade, do you know what the historical use of it
18 was? Had they done significant firing there?

19 MS. KELLY RIGANO: I'm not able to
20 address that. I'm sorry.

21 MR. MARK ANDERSON: That's okay.

22 MS. KELLY RIGANO: I can get that
23 for you.

1 MR. MARK ANDERSON: It would
2 actually be -- well, you know, they did some things
3 out at (inaudible), not too far from there, so, we know
4 that they may have ammunitions. But I wonder, you
5 know, a hundred years worth of firing?

6 MS. KELLY RIGANO: No, I would not
7 say that, at all. It's been relatively light use.
8 What specifically was out there, I could not address
9 it for you.

10 MR. MARK ANDERSON: That would have
11 an impact on our ability to assess the risk. You know
12 --

13 MS. KELLY RIGANO: Certainly.

14 MR. MARK ANDERSON: -- obviously,
15 if we're talking one in a hundred million, that's one
16 thing, but if they only had five years with the firing
17 and the ranges were identified, that's a big
18 difference.

19 MS. KELLY RIGANO: Sure, sure.

20 Moving on, as I said, we analyzed
21 our demonstrators for also their localization and
22 their characterization abilities. We talked already
23 about how their radial errors has decreased and their

1 depth error has also decreased. You're seeing about a
2 .4 average depth error.

3 So, of course, there still are
4 errors, both high and low, as to where those ordnance
5 items, those anomalies really are located, in the --
6 up and down.

7 As far as characterization, when we
8 talk about characterization, it's broken into the two
9 types, the size, are our demonstrators able to
10 estimate the size of that subsurface item very
11 accurately? We're saying about fifty percent of the
12 time.

13 MR. BART REEDY: And that's the
14 seeded areas?

15 MS. KELLY RIGANO: Yes, yes, these
16 are based on our test scenarios, our control test
17 site.

18 This is another big one. They're
19 not able to discriminate. They cannot distinguish
20 ordnance and non-ordnance targets from each other.
21 And this is where we're trying to focus the efforts
22 for the future, research and development, technology
23 enhancement, and the ability to discriminate.

1 If you can collect data and have
2 one hundred thousand targets but can post-process that
3 and in analyzing that data, decide that three/quarters
4 of those things, those anomaly points that you've just
5 collected are not hazardous ordnance items, then
6 you've just realized a significant savings. You don't
7 have to even go in and examine some of those.

8 MR. RON LEVY: From the anomaly
9 pattern -- Kelly, from the anomaly pattern, though,
10 can you not attempt to make a differentiation? I
11 mean, you can look at the pattern that's being put out
12 and maybe attempt to say, well, that looks like a --

13 MS. KELLY RIGANO: And that's where
14 the work is keying in on. You're talking about a
15 target data base, a signature data base for different
16 ordnance items. There are many different ordnance
17 items. And when they go into the ground, they can
18 look very different. They can be rotated differently.
19 They can break apart. There are so many different,
20 different things that can happen that we don't have
21 all those answers, yet.

22 But that's where many of the
23 contractors are going. Signature data bases that you

1 compare the data that you gather off your site to that
2 target data base, if you will.

3 MR. FERN THOMASSY: Do you have
4 anything out there on a scientific base that really
5 gives you hope that can be turned into technology to
6 do this differentiation between ordnance and
7 non-ordnance items?

8 MS. KELLY RIGANO: Well, we are
9 seeing some strides in that, certainly. But can I
10 stand here today and say --

11 MR. FERN THOMASSY: Yes.

12 MS. KELLY RIGANO: -- we're going
13 to have it all in five years?

14 MR. FERN THOMASSY: No, I'm not
15 asking --

16 MS. KELLY RIGANO: I don't know
17 that, either.

18 MR. FERN THOMASSY: No. What I was
19 asking, what are some of the science items out there
20 that show promise?

21 MS. KELLY RIGANO: Well, maybe one
22 thing to do would be to look at some of these. These
23 are the phase three demonstrators, in order to address

1 your question.

2 Some of the companies are trying to
3 make strides in doing some of that discrimination and
4 false alarm reduction. Our top performer from phase
5 three was a company that we had never seen nor heard
6 of prior to phase three, which that in itself was a
7 surprise to us.

8 They came up with, I think, the
9 highest detection, almost the highest detection rate,
10 .94, and they had the lowest false alarm rate. They
11 are doing something along those lines. They are
12 starting to discriminate. They are making those
13 attempts.

14 We will move forward. I just don't
15 know where that line, that limiting line is.

16 MR. CHARLES TURNER: Now, was that
17 the highest performer from all five sites, including
18 Eglin and JPG?

19 MS. KELLY RIGANO: No. This is
20 just our phase three performers, our phase three
21 statistics.

22 MR. CHARLES TURNER: Okay. So,
23 phase three was conducted at JPG?

1 MS. KELLY RIGANO: Yes, it was.

2 This is just the JPG site.

3 MR. CHARLES TURNER: And that's

4 fairly flat terrain --

5 MS. KELLY RIGANO: Yes.

6 MR. CHARLES TURNER: Sandy soil?

7 MS. KELLY RIGANO: Clay.

8 MR. CHARLES TURNER: Clay.

9 MS. KELLY RIGANO: Clay content,
10 high clay content.

11 MR. FERN THOMASSY: And that's not
12 a new science. That's EM and magnetometer.

13 MS. KELLY RIGANO: Yes.

14 MR. FERN THOMASSY: Combined?

15 MS. KELLY RIGANO: Combined.

16 MR. FERN THOMASSY: A unique way --

17 MS. KELLY RIGANO: Combined and so
18 forth.

19 MR. FERN THOMASSY: -- hooking up a
20 computer and analyzing data.

21 MS. KELLY RIGANO: That's correct.

22 The little numbers in parenthesis are the scenarios
23 that they visited. Several of these systems only went

1 to one of the scenarios. Some went to all three.
2 This company down here, you see, SC&A and then you see
3 ADI. Well, ADI was one of our demonstrators.

4 SC&A gathered data from several of
5 the contractors and did additional post-processing.
6 And so you're able to see that SC&A for ADI, they
7 didn't do all that great. ADI by themselves had a
8 pretty good detection rate.

9 But now, if you compare SC&A for
10 Geometrix, they did better for Geometrix. So,
11 Geometrix would probably like to hire SC&A. ADI would
12 not.

13 So, that was just something
14 interesting, a company just dealing with the data
15 processing.

16 And let's see, one or two other
17 pictures that I'll leave you with. When we went out
18 to Jefferson Proving Ground for our live site
19 demonstration, we did a surface clearance also, on
20 about a hundred and fifty acres, one hundred to one
21 hundred and fifty acres before we would allow our
22 demonstrators to set foot on that property from a
23 safety standpoint, and conduct a surface clearance

1 prior to looking for the sub-surface ordnance.

2 This is about a seven to nine ton
3 pile of ordnance debris, scrap. Of course, the
4 hazardous items were blown in place. But this just is
5 a nice graphing to say, we collected an awful lot of
6 ordnance related debris out there at JPG. So, if
7 anybody thinks they've got problems, I don't think
8 anybody has got problems quite as bad as JPG.

9 I always like to leave you with the
10 thought that once we are able to answer and address
11 all of the problems associated with ordnance in the
12 ground, we can start dealing with the ordnance in the
13 trees. Okay.

14 MR. CHARLES TURNER: Before we
15 riddle Ms. Rigano with additional questions, do y'all
16 feel like taking a break? Why don't we take five or
17 ten minutes.

18 (WHEREUPON, there was a brief recess.)

19 MR. CHARLES TURNER: Let's come
20 back to order, please. Let's get started.

21 MR. RON LEVY: Y'all, take your
22 seats, please.

23 MS. KELLY RIGANO: You may be

1 getting tired of me, but I just had one other thing
2 that I thought you might find interesting. This was
3 something that Mark had brought up about funding and
4 what's really being applied to UXO technology.

5 There has been some efforts that
6 have been ongoing over the past year. I'm not sure if
7 you're familiar with them or not. One of them has
8 been a general officer steering committee to look at
9 UXO.

10 The reason that this was put into
11 place, this general officer steering committee, GOSC
12 group, was at the request of Congress. And it was the
13 result of a GAO report that came out several years
14 that said, DoD, you're a little bit fractured in
15 regard to UXO. There seems to be some duplication of
16 effort in regard to who is doing what with UXO. Take
17 a look at it and figure out how to better manage UXO
18 technology.

19 The GOSC brought together three
20 sub-groups, one of which dealt with requirements, one
21 of which dealt with detection technology, and the
22 other which dealt with remediation technology. For
23 each of these groups, we looked at five different

1 areas.

2 When you think of UXO, you can
3 think of it in five different areas. Demining
4 explosive ordnance disposal, EOD, counter mine, UX --
5 I have it kind of written out -- environmental UXO
6 remediation, and active range clearance.

7 What I wanted to put this slide up
8 for you about -- why I wanted to put this slide up was

9 to look at the dollars associated with this. These
10 are fiscal year '97 dollars, about a hundred and
11 eighteen million dollars. You can see that eighty-six
12 million of them are going to counter-mine, another
13 fourteen to de-mining. And you see UXO, environmental
14 UXO, eight point five.

15 You follow those lines down through
16 environmental security and equipment and you find
17 SERDP and ESTCP, the two programs that I talked to you
18 earlier about. And over here you also see, four
19 million to the Army Environmental Center. And this is
20 the fiscal year '97 Congressally directed UXO program
21 at JPG.

22 Mark asked me about that at the
23 break and I had neglected to mention to you that there

1 is an effort ongoing. We will have have
2 demonstrations again next summer in this.

3 But we do not expect that this
4 funding will continue. I see that this is the last
5 year for that Congressional funding. And this just
6 highlights for you how the money is broken out.

7 And you see that there is not a lot
8 of resources being employed to UXO technology per se.
9 We're relying very much on private industry and some
10 of the enhancements and developments that they're
11 making with their own technologies. And we want to
12 hire the best companies to do the jobs for us. So,
13 that's where we've stood.

14 MR. PETE CONROY: Can we get copies
15 of some of the overheads that you haven't provided, if
16 we give you a call?

17 MS. KELLY RIGANO: Sure.

18 MR. MARK ANDERSON: That one in
19 particular.

20 MS. KELLY RIGANO: Someone made
21 this up, but I don't know that he would appreciate my
22 handing it out, but he gave it to me, so --

23 MR. FERN THOMASSY: So, in the

1 department of defense technology, UXO has a broader
2 term than that associated with unexploded ordnance
3 that is lying around on ranges. Unexploded ordnance
4 also has a military --

5 MS. KELLY RIGANO: Certainly --

6 MR. FERN THOMASSY: -- meaning, and
7 that's why counter-mine is a sub element of it.

8 MS. KELLY RIGANO: Yes, that is
9 correct.

10 MR. FERN THOMASSY: Yes.

11 MS. KELLY RIGANO: That is very
12 true. One has --

13 MR. MARK ANDERSON: One thing
14 that's not clear on the thing that they're showing up
15 there, but it's clear over here on the far left is --
16 can you pull that over?

17 MS. KELLY RIGANO: Sure.

18 MR. MARK ANDERSON: No. Look at
19 where --

20 MS. KELLY RIGANO: This?

21 MR. MARK ANDERSON: No, the other
22 way. Go the other way.

23 MS. KELLY RIGANO: I'm sorry.

1 MR. MARK ANDERSON: Look at the
2 status of the programs. Looks like those two programs
3 you're talking about are in 6.3 and 6.4.

4 MS. KELLY RIGANO: Yes.

5 MR. MARK ANDERSON: So, you're
6 actually in prototyping and development, at that
7 point.

8 MS. KELLY RIGANO: That's correct.
9 And the reason that you do -- and I may point out, the
10 reason that you see this Congressionally directed
11 technology demonstration program in the 6.2 area, it
12 really should fit in the 6.4 area, but the money comes
13 down to 6.2. In a sense, the only way we can get
14 money, the only way money can be directed like this is
15 in a 6.2 line. So, that's why it falls there. But it
16 really is that type of program.

17 So, right, 6.1, sure don't see much
18 going on. These are the two areas that are the most
19 parallel. The active range clean up and the
20 environmental and UXO remediation is where our
21 interests lie. And there is certainly no basic --
22 SERDP in a sense tried to cover a little bit of 6.1
23 and 6.2.

1 A lot of acronyms on here. I don't
2 know that I know them all, but I would be happy to
3 share some of them if you have any specific questions
4 of what I do know.

5 As I was talking about this general
6 officer steering committee, there will be a readout on
7 their final report at the UXO conference, for those of
8 you who are attending. The final report has been
9 completed and should be distributed within the next
10 week or two, as I understand it.

11 I have dealt in the requirements --
12 well, actually, I've had a part in providing feed back
13 for all of the three subgroups from the environmental
14 remediation perspective. What really, I think is
15 being done, is that the GOSC has now sat back and
16 looked and said, well, we realize some of these
17 problems, we realize some of our management issues.
18 Let's create a management oversight group. And that's
19 what they are doing to deal with more UXO technology.

20 They may be highlighting -- I think
21 they are, highlighting some of the issues in regard to
22 is there sufficient funding being directed at
23 technology. What happens as a result of their

1 highlighting that, I do not know.

2 Also, for your awareness, there has
3 been a defense science board that has been put into
4 place over the past, I'd say, six to nine months.
5 They also have a report that's due within the next
6 month. I will have a person providing a report also
7 at the UXO conference. And they were looking at many
8 of the same issues dealing with technology, dealing
9 with policy, dealing with risk, those types of things.

10 And I'm not as familiar with what
11 their report products would look like. So, they're
12 just two things that you may be interested in also
13 taking a look at.

14 MR. RON LEVY: Just as a matter of
15 record, there are a number of us going to attend that
16 UXO forum in Nashville: Bart, myself, Chris, Lisa,
17 Paul James from my office, Pete is going, Gary Harvey
18 is going.

19 MR. CHARLES TURNER: I'm going, Rob
20 Richardson is going, L. Z. Johnson is going.

21 MR. MARK ANDERSON: And I'm going.

22 MR. RON LEVY: And Mark. And I
23 just say that as a matter of record. There is a lot

1 of interest and there are quite a bit of folks that
2 are attending. And I really believe the more we know,
3 the better we're able to handle the issues that are
4 here.

5 MR. CHARLES TURNER: Can RAB fund
6 some of the membership going?

7 MR. RON LEVY: I don't believe I
8 can do that, no. We can bring people here, but
9 sending people on trips like that, I think is not
10 within DoD's policy for use of RAB monies.

11 MR. CHARLES TURNER: Whenever I get
12 a no from Ron, I always look at Lisa to see if she's
13 --

14 MS. LISA KINGSBURY: He's telling
15 the truth.

16 MR. CHARLES TURNER: No, who will
17 tell me yes.

18 MR. MARK ANDERSON: She's really
19 brave.

20 MS. LISA KINGSBURY: We can bring
21 them here. If you find somebody at the forum you want
22 here, we can bring them.

23 MS. KELLY RIGANO: One last thing

1 that we really didn't spend any time talking about is
2 the contracting for UXO services. And that's another
3 ball of wax. One that I'm not as familiar with as
4 many people are, because as I said earlier on this
5 evening, I do not deal with actual clean up efforts.

6 But I know there are significant
7 problems, if you will, with how to contract for a UXO
8 restoration or characterization effort, everything
9 from what technology should be used. If you put into
10 a scope of work you're going to use the best available
11 technology, what does that mean? How do you contract
12 for all of this? Significant problems. I know many
13 contractors are very frustrated with the contracting
14 process. And it's just another ball of worms, can of
15 worms, if you will, dealing with the contracting for
16 these types of things.

17 MR. RON LEVY: We -- I'm sorry. I
18 didn't mean to interrupt you. Are you open for some
19 questions, now, I think?

20 MS. KELLY RIGANO: Yes, certainly,
21 please.

22 MR. RON LEVY: First off, the BRAC
23 clean up team is very interested in the UXO business.

1 We've got a meeting scheduled Friday at 900 hours in
2 this room with the Alabama Department of
3 Transportation and local reuse authority members, to
4 talk about UXO issues that are attendant to the
5 eastern bypass, particularly for them to talk to the
6 BCT and express -- the community express their desires
7 on focusing on that, as a clean up issue.

8 So, that's coming up. But really
9 what I wanted to ask you about was: One of the things
10 that the community has got in their draft concept now
11 is a retirement community. And it's generally
12 centered in an area of an old mortar range on -- off
13 of -- range sixteen, off of the back of the MP school
14 and such.

15 From a technology standpoint --
16 first off, let me just kind of set it up. There is
17 some ruggedized (phonetic) terrain in there and some
18 wooded areas. Most of the area where they shot into
19 is fairly level and open. But from a technology
20 standpoint, how would you approach that?

21 MS. KELLY RIGANO: Well, you can
22 utilize different types of technology for the
23 different constraints that you have, if you will. I

1 know that several companies have both their vehicular
2 systems and they supplement it with their man-portable
3 systems to be able to do full coverage of your site.

4 The way that we are trying to
5 provide guidance to different sites to think about
6 characterization and clean up would be to create a
7 tiny little site right on their own property.

8 You can use the JPG results to be
9 your first cut at who is the best contractors. You
10 can compare contractors based on that data. But to
11 know how specifically they would perform on your site
12 with your very site characteristics, you may, as a
13 first step, want to hold a little mini demonstration
14 from which you would do a down select to do your
15 further efforts.

16 We are well aware of, as I say,
17 numerous contractors doing commercial efforts and as
18 is the Huntsville Corps of Engineers.

19 MR. RON LEVY: Give us some
20 examples of the commercial efforts that you're talking
21 about.

22 MS. KELLY RIGANO: The companies?

23 MR. RON LEVY: No. The commercial

1 areas -- the land they were trying to be cleared for
2 commercial development.

3 MS. KELLY RIGANO: I think it would
4 be best if we spoke with Huntsville to talk about the
5 actual properties there.

6 MR. RON LEVY: Actually, we are.
7 We have a project manager with Huntsville and they're
8 going to be part of this meeting. But we really have
9 not gotten into any specifics.

10 How does -- I mean, you're familiar
11 with the EECA term, right?

12 MS. KELLY RIGANO: Enviromental --

13 MR. RON LEVY: Engineering,
14 evaluation, and cost analysis.

15 MS. KELLY RIGANO: Yes, of course.

16 MR. RON LEVY: How does that fit
17 into the process from what you were talking about?

18 MS. KELLY RIGANO: I'm not sure.
19 There are certainly cost figures that can be
20 associated with certain levels of UXO characterization
21 or remediation.

22 MR. RON LEVY: Our understanding of
23 the EECA process is there is some sampling involved,

1 as well.

2 MS. KELLY RIGANO: As I --

3 MR. RON LEVY: And we're talking
4 about sampling, we're talking technology.

5 MS. KELLY RIGANO: Sampling is, I
6 think, the real way of the future, as far as --
7 especially, as far as delineating the boundaries of
8 what you have and where you need to concentrate your
9 efforts.

10 Huntsville employs sampling for
11 their clean ups and characterizations, as I understand
12 it. So, it certainly is one of the tools.

13 If you've got a large area of
14 question, if you will, then some appropriate sampling,
15 as opposed to characterizing on a flip-by-flip basis,
16 that area, that's what you would want to look at.

17 MR. PARKS: If they gave you a
18 description of all the land and the topographical or
19 whatever it is, can you recommend contractors that
20 would fit that particular land?

21 MS. KELLY RIGANO: Well, I think
22 that almost by looking at some of the available
23 reports that I have, you can pull from that who would

1 be the best demonstrators for you. I can certainly
2 try to help with that to some extent. Again, not
3 being very familiar with the contracting mechanisms,
4 how you need to deal with some of these contractors,
5 I'm not fully able to address maybe all the questions
6 you would have along those lines.

7 MR. RON LEVY: Ms. Goodman came
8 through here back in -- when was that, June, last
9 year?

10 MR. DEAN HUTCHENS: August, last
11 year.

12 MR. RON LEVY: And correct me if
13 I'm wrong, Charles, but the community asked her what
14 kind of support they could get from a UXO standpoint,
15 as it relates to McClellan. And I think her answer
16 was that she would certainly like to see McClellan
17 used maybe as a test bed for some of the technology.
18 Is that not correct, Charles?

19 MR. CHARLES TURNER: As best I can
20 --

21 MR. RON LEVY: Have you heard
22 anything about that? Is any of your ----

23 MS. KELLY RIGANO: No.

1 MR. RON LEVY: I mean, as close as
2 we are to Huntsville and what's going on there.

3 MR. CHARLES TURNER: She's coming
4 back in June, so we'll ask her again.

5 MS. KELLY RIGANO: Who is coming
6 back?

7 MR. CHARLES TURNER: Ms. Goodman.

8 MR. PETE CONROY: I've heard she's
9 actually transferred over to the department of
10 interior.

11 MR. RON LEVY: I don't think she's
12 leaving any time soon, though.

13 MR. PETE CONROY: Okay.

14 MS. KELLY RIGANO: I know that
15 Huntsville does have a very small test site that they
16 utilize. Also, I think right on some of their own
17 property.

18 MR. RON LEVY: Those other
19 programs, SERDP, what was the other --

20 MS. KELLY RIGANO: SERDP and ESTCP.

21 MR. RON LEVY: Who are those
22 programs under, in terms of --

23 MS. KELLY RIGANO: ESTCP is under

1 Ms. Goodman's office. She has a doctor Marcusie
2 (phonetic) who runs the ESTCP projects. On many of
3 those projects --

4 MR. RON LEVY: So, it's not worked
5 through Huntsville is what you're telling me?

6 MS. KELLY RIGANO: That's correct.
7 Several -- I should say -- several of those projects
8 have or will demonstrate out at JPG, for example. For
9 the SERDP program, the one or two ground penetrating
10 radar projects are in their infancy and I do not know
11 where they will be doing their testing.

12 I know that there are some type of
13 test sites available at (inaudible), also. And GPR,
14 you may want to keep in more of a Yuma environment, if
15 you will.

16 MR. RON LEVY: You need to keep
17 McClellan in mind when you start to look at varying
18 terrain for testing purposes, because we've certainly
19 got it all.

20 MR. CHARLES TURNER: Absolutely.

21 MS. KELLY RIGANO: I hate to beat a
22 dead horse, but a lot of it just boils down to the
23 funding again. I don't have a lot of funding that I

1 can deal with to work on technology. And that's an
2 issue for us. The Congressional program is the major
3 thing that I'm going to be working on over the next
4 two years. I have some other site efforts, also, but
5 my dollars flow more into enhancing the technology and
6 providing educational materials and services, more so
7 than establishing your test sites, if you will.

8 MR. RON LEVY: Anybody got anymore
9 questions? I don't want to keep anybody too much
10 longer. I think we want to move into the rest of the
11 program.

12 MR. CHARLES TURNER: Ms. Rigano,
13 thank you so much for coming and talking to us.

14 MS. KELLY RIGANO: Sure.

15 MR. CHARLES TURNER: We've all
16 gotten a lot out of it and hope we'll see you again
17 soon.

18 MS. KELLY RIGANO: I'm certainly
19 happy to stay after and answer anymore questions that
20 you may have.

21 MR. RON LEVY: That was great. I
22 really did get a lot out of it.

23 MR. CHARLES TURNER: I agree.

1 I've got a seven year old down the
2 hall who needs to get home and get in bed, so I'm
3 going to swoop. But Fern is going to -- and Ron will
4 take us through the rest of the meeting. And if the
5 majority is for it, then so am I.

6 So, y'all just have at it.

7 MR. FERN THOMASSY: Maybe I missed
8 it when we started. But did we ever approve the
9 minutes from the last meeting?

10 MR. CHARLES TURNER: If you had
11 been at the last meeting, you would realize that
12 approving the minutes is no longer required.

13 MR. FERN THOMASSY: I saw the
14 change to the -- the bylaws have been suspended for
15 the next three months.

16 MR. CHARLES TURNER: All we're
17 doing is just making sure that they're accurate to
18 have a short, concise summary of what went on.

19 MR. FERN THOMASSY: Okay.

20 MR. CHARLES TURNER: But as far as
21 -- in getting the Roberts' Rule of Order out of the
22 meetings, we've decided --

23 MR. FERN THOMASSY: It's out.

1 MR. CHARLES TURNER: -- it was out.

2 Bye everybody. It's good to see y'all.

3 MR. RON LEVY: I don't believe the

4 charter is --

5 MR. FERN THOMASSY: Membership

6 doesn't have any reports.

7 MR. RON LEVY: Or the community

8 relations, so, we can skip through those. Old

9 business --

10 MR. FERN THOMASSY: Do you have

11 anything to discuss regarding the --

12 MR. RON LEVY: Oh, you do?

13 MR. MARK ANDERSON: I have one item

14 that could fall under the category of community

15 relations. I have got an invite from the Army

16 Engineering and Support Center in Huntsville to come

17 up and get a detailed, all afternoon briefing on the

18 technologies, much, you know, much more in detail than

19 what we got here today.

20 And I'm taking with me a couple of

21 folks from the LRA and a guy who has a background in

22 environmental engineering. Basically, I'm opening it

23 up to other members of the board. If anybody else

1 wants to go, as well, you know, ride with me. We're
2 going on the 8th of May.

3 And, you know, the purpose is just
4 fact finding, go up and learn what we can so that
5 we're a little bit smarter when the meeting in June
6 rolls around.

7 MR. RON LEVY: I would like to, but
8 I've got another meeting that day.

9 MR. FERN THOMASSY: Speaking of the
10 meeting in June, that's what the old business is. And
11 one of the first things is an agenda for that meeting.
12 And, of course, I've heard from a couple of people
13 that we wanted to get some reports on the UXO
14 conference that's going to be held up in Nashville.
15 And we have several people from this organization
16 going. That's a rough element of the agenda.

17 Did you at the last meeting discuss
18 the agenda and any additional items that you were
19 going to put on it?

20 MR. RON LEVY: We didn't, no.

21 MR. FERN THOMASSY: No. Okay,
22 there is two parts to it. We want to have questions
23 that we want to ask the DERTF. Is the intention

1 there? Was the intention of the board to go ahead and
2 generate questions to make use of those people when
3 they come to the Anniston area or what?

4 MR. RON LEVY: Let me take it from
5 there, Fern. Sue, would you get up and just talk a
6 little bit about the questions that --

7 MS. SUE ESTES: The questions that
8 they want us to have, the twenty questions, would be
9 the twenty questions that y'all would most like to ask
10 the DERTF. And the reason we do it ahead of time is
11 so hopefully they'll have some answers when they come
12 in here for you guys.

13 And what we would like to do is
14 possibly -- we've heard some questions tonight that we
15 think we can use about UXO and other things. But come
16 up with twenty questions that y'all would like to ask
17 at this meeting and hopefully get some answers for
18 you.

19 MR. FERN THOMASSY: And this is old
20 business --

21 MS. SUE ESTES: We talked about it
22 last week.

23 MR. FERN THOMASSY: What did we --

1 MS. SUE ESTES: Month.

2 MR. FERN THOMASSY: What did we do
3 about it last month?

4 MR. RON LEVY: We tabled it for
5 this meeting.

6 MR. FERN THOMASSY: Did we ask the
7 members to bring questions in?

8 MR. RON LEVY: I don't think so.

9 MR. FERN THOMASSY: I didn't see it
10 as part of the minutes.

11 MR. MARK ANDERSON: If I could make
12 a suggestion. Particularly -- and Rob Richardson is
13 gone, now -- but they are packaging some stuff for
14 presentation to the Congressman to be asked to Ms.
15 Goodman in advance. It may behoove us to ask them for
16 a copy of that at the May meeting. And if those
17 questions haven't been answered by then, then we re
18 ask the questions if it's something that we consider
19 significant.

20 MR. FERN THOMASSY: I think we
21 ought to do two things. One, I would like to ask the
22 current members if there is anybody who has any
23 questions that they think should be asked of that

1 board. And if so, state them, tonight. Based on what
2 they may have thought of or have been discussed in the
3 past. And certainly, any of those who are here,
4 observing and participating with us in this, if you
5 have those questions and thoughts, please, put them
6 forth this evening.

7 Is there anybody who would like to
8 add anything at this point?

9 MS. SUE ESTES: Can I say, at
10 least, we probably need the questions from the LRA
11 before the May meeting.

12 MR. FERN THOMASSY: Yes.

13 MS. SUE ESTES: Because these
14 questions are due to Ms. Goodman on the 23rd of May.
15 So, that won't give us any time to know whether we
16 have the same questions.

17 MR. FERN THOMASSY: When --

18 MR. RON LEVY: 19 May would be the
19 next meeting.

20 MR. FERN THOMASSY: There is enough
21 time to bring them. But I would ask, number one, that
22 each of us go through, put our thinking caps on,
23 between now and the 19th, generate those questions.

1 If you can do it, please, get it to Lisa and Ron
2 earlier. But have them.

3 And secondly, I would ask in the
4 letter that you put out to the next meeting, a
5 reminder that each person should bring a question or
6 questions with them to the meetings, in order to
7 support this agenda that we're (inaudible) and so that
8 you can go ahead and provide those to the chairman of
9 the DERTF.

10 MR. BART REEDY: Mr. Thomassy, do
11 you think it would do any good, in order to generate
12 questions, to maybe throw out some possible ideas and
13 topics for -- there is a lot of folks that aren't here
14 right now.

15 MR. PARKS: The funding is going to
16 be one.

17 MR. MARK ANDERSON: How about no
18 seed money for basic R&D and UXO technology? There is
19 no 6.1 or 6.2 dollars, at all, in fiscal year '97.

20 MR. BART REEDY: The point I'm
21 trying to make is this, Mark: There is a letter going
22 out to the RAB, saying there is a meeting coming up,
23 right?

1 MS. LISA KINGSBURY: Right.

2 MR. BART REEDY: Please prepare a
3 question to the DERTF. And that might be a little
4 open ended. Here are some possible topics, you know,
5 issues, you know, just some bullet items, maybe.

6 MR. FERN THOMASSY: I think what
7 we're saying is add some categories or some general
8 topics --

9 MR. BART REEDY: Just start people
10 brainstorming is all I'm suggesting.

11 MR. FERN THOMASSY: And funding
12 would be one area. The other would be the various
13 clean up programs that we're going to have to go
14 through -- where is the, by the way, the final report?

15 MR. RON LEVY: The EBS?

16 MR. FERN THOMASSY: Beg your
17 pardon?

18 MR. RON LEVY: The environmental
19 baseline study?

20 MR. FERN THOMASSY: Yes, the
21 baseline study.

22 MR. RON LEVY: The draft final is
23 out.

1 MR. BART REEDY: It's under review.

2 MR. RON LEVY: It is under review.

3 MS. LISA KINGSBURY: Kind of
4 tricky.

5 MR. BART REEDY: It just hit the
6 floor.

7 MR. FERN THOMASSY: But where are
8 we going to go from there? What are the additional
9 studies and investigations that have to be done? What
10 are the additional processes we're going to have to go
11 through to get to a clean up that's going to allow
12 this committee to use the property?

13 MR. PARKS: So, this thing is just
14 limited to UXO, right?

15 MS. SUE ESTES: No.

16 MR. PARKS: The one topic that
17 you're going to discuss?

18 MS. SUE ESTES: No. You can ask
19 questions about anything having to do with the clean
20 up. It does not have to be UXO.

21 MR. FERN THOMASSY: Time frames
22 would be another category of questions. How long does
23 it take to get things done? How long has it taken at

1 other bases to get from the position that Fort
2 McClellan is in to actual reuse where clean up was
3 required? What parallel can you generate? You ask
4 the board questions like that.

5 And I think if that's put into the
6 letter -- can you generate that from --

7 MS. LISA KINGSBURY: From the
8 transcript.

9 MR. GARY HARVEY: And if I can add,
10 some of the flavor ought to be, this is a national
11 level conference, too, so you want to kind of talk
12 about things you're talking about and like Mark is
13 talking about, the seed money. This isn't a local
14 type meeting, although there are local issues. But
15 you want things that have a national flavor to them,
16 too.

17 MR. MARK ANDERSON: Maybe to hit
18 Bart's issue is: We would talk about things like
19 funding, technology, policy, risk, remediation
20 funding, separate from the technology.

21 MR. RON LEVY: One thing y'all need
22 to understand -- and you know, if you're asking
23 questions that I've given you material on and you

1 haven't bothered to look at it and you're saying, you
2 know, what's going on with the funding, and I've given
3 quite a bit of stuff out and people are still asking
4 the same questions about funding that I've answered
5 before, it makes them wonder whether or not, you know,
6 we're doing our job in getting this information out to
7 you.

8 You know, a lot of folks got copies
9 of the EBS and although I didn't get a whole lot of
10 comments back -- I actually got very -- I don't know I
11 got any from the RAB members.

12 My next question was: How many
13 actually sat down and read it? Yes, I know there are
14 a number of you, but there are others that did not.

15 So, I don't want to -- the DERTF to
16 think that, you know, we have not been providing the
17 information to the community we have. You've got to
18 participate and you've got to do something before you
19 just, you know, blurt out a question that should have
20 been answered a long time ago, especially about
21 funding as it relates to the RAB.

22 MS. LISA KINGSBURY: I think
23 they're talking about funding as it relates to UXO.

1 MR. PARKS: You know, like funding
2 for the eastern bypass. Where's the money coming from
3 and when is it going to start?

4 MR. RON LEVY: That's a different
5 issue.

6 MR. PARKS: That's the type of
7 question we're --

8 MS. SUE ESTES: Well, I think you
9 want to make sure the funding is going to continue,
10 that the funding continue, not stop. They've funded
11 now, but are they going to continue the funding?

12 MR. RON LEVY: That's not what I'm
13 talking about.

14 MS. SUE ESTES: Reassurances.

15 MR. RON LEVY: I'm talking about
16 other things that we put out --

17 MR. MARK ANDERSON: Understand that
18 you've given us kind of apples and oranges, there,
19 too, because the seventy-seven million that you've got
20 earmarked over the next several years is for things
21 that you know, CERCLA and those type of things, but
22 none of it covers UXO right now, because we don't know
23 what the scope of it is. We don't know how to clean

1 it up. How to survey it, that type of stuff.

2 MR. RON LEVY: Well, I mean, I
3 can't get -- I really can't explain some of that. I
4 can't get down to specifics because of the contracting
5 requirements.

6 But I give you information here. I
7 mean, you could present things to the DERTF that you
8 should be asking Fort McClellan and the base clean up
9 team, in a lot of cases. And I don't want the
10 impression that we just couldn't get it out of them.

11 Your issues really need to be
12 beyond what we should be able to provide you here,
13 because there's a lot of guidance --

14 MS. SUE ESTES: Should be national
15 issues.

16 MR. RON LEVY: There is a lot of
17 guides and policy out right now.

18 MR. GARY HARVEY: That's why some
19 of the questions need to be -- see which is more
20 appropriate and get some samples in. Mark, on the
21 funding, is right on with what we know, we, the Army
22 have told the RAB, there is not much 6.1, 6.2 money
23 and that's where it all starts. So, that funding

1 issue wouldn't embarrass anybody on the RAB.

2 MR. RON LEVY: I agree. From a
3 technology side, which I don't control, that is a
4 whole different story. But when you start to ask how
5 much funding is coming to McClellan, the next -- I
6 mean my next question is: What are we looking at
7 cleaning up, because we really haven't looked at the
8 end use and we haven't looked at the issues.

9 Now, we have identified some monies
10 in our funding process. God knows really what it's
11 going to, but it was all based upon just pulling a
12 number out of the sky right now, because we really
13 don't know what to focus on, yet. It's coming, and
14 we're starting to look at that.

15 But again, we're still new in this
16 process. And to say, you know, how come McClellan is
17 only getting four million? Why aren't they getting
18 twenty million for UXO clean up? I tell you, well,
19 what the hell are you cleaning up?

20 I hope you understand, you know,
21 where I'm coming from. Because a lot of people keep
22 asking me, how much money do you need? And I don't
23 know. We don't know, at this point.

1 That's what I mean by the funding
2 process. We need to really nail it down. And we're
3 still doing a lot of things. But the concept is still
4 in a draft form. When it gets finalized, we'll have a
5 better idea.

6 We're working on the eastern
7 bypass. We're focusing on that. That will give us a
8 better idea. But truly, we have not developed our
9 clean up plan. We're still moving towards that.

10 The only legal requirement we had
11 for meeting mandatory was the environmental baseline
12 survey. There is no other regulatory deadlines that
13 I'm aware of that says you have to clean up by such
14 and such a date, there is no such a thing.

15 Granted we want to do it as fast as
16 we possibly can. That's what this whole fast track
17 is about. But I don't think we want to just jump into
18 something and say, we need more money when we can't
19 justify what it is we need it for.

20 MR. FERN THOMASSY: We need to take
21 a look at the questions. We would like to have close
22 to twenty, and that's what we're shooting for. I
23 don't think we're going to see those questions until

1 the next meeting.

2 Are there anymore comments on the
3 mechanism that we're going to use to get these
4 questions? Anymore suggestions?

5 The other item that we wanted to
6 discuss was old business was the agenda for that June
7 meeting, itself. We've already mentioned that we want
8 to get back a report from those that have attended the
9 UXO conference up in Nashville. I know Mark, at
10 least, informally to me, had volunteered to do that.
11 Who else was going up? You were.

12 MR. RON LEVY: Uh-huh. Be glad to.

13 MR. FERN THOMASSY: And Bart and
14 Chris. Do we want to get a combined report, rather
15 than a bunch of individual reports?

16 MR. BART REEDY: I would suggest
17 realistically the most informative piece of
18 information you're going to get out of us would be in
19 the format of a briefing, as opposed to, you know, a
20 report, just a briefing --

21 MR. FERN THOMASSY: Correct. And
22 that's what we were expecting.

23 MR. BART REEDY: Yes.

1 MR. FERN THOMASSY: To open it up.

2 MR. BART REEDY: We'll be glad --
3 we'll be tickled too death to share all that with you.
4 Pete said he was going.

5 MR. RON LEVY: We have -- you know,
6 we've got the May meeting. And then in the June
7 meeting is when the DERTF is occurring. So, if we do
8 this, we'll have to do this for the next meeting.

9 MR. FERN THOMASSY: For the DERTF
10 meeting, which is going to be the back-brief from
11 those who have attended that conference. Let me
12 suggest this and see how you feel.

13 Would you and Bart like to go ahead
14 and provide the briefing and then we can add to that
15 the comments of those who are members of the board
16 that are in the audience, rather than have each
17 individual give a briefing that has attended it?

18 MR. BART REEDY: I'm sorry,
19 Mr. Thomassy, I was writing -- I was making a note to
20 myself. I missed the prelude to what you just said.

21 MR. FERN THOMASSY: The suggestion
22 is, you two, Chris and Bart, give the briefing.

23 MR. BART REEDY: On the UXO.

1 MR. FERN THOMASSY: You know, it
2 could be five minutes, it could be fifteen minutes, it
3 could be half an hour --

4 MR. BART REEDY: Sure, we can do
5 that.

6 MR. FERN THOMASSY: Put it together
7 on what the conference was about, what you felt were
8 pertinent issues.

9 MR. BART REEDY: And you want that
10 when?

11 MR. FERN THOMASSY: On the 17th.
12 And that would be given back to us, from you who
13 attended it, and then those in the audience who
14 attended it can add to it.

15 MR. GARY HARVEY: As part of the
16 meeting?

17 MR. FERN THOMASSY: No. I'm
18 talking about -- on the 28th, so I'm talking about --
19 this is part of the agenda for the meeting on the 17th
20 of June.

21 MR. CHRIS JOHNSON: Well, I think
22 the problem with that is that we've already got
23 presentations to give.

1 MR. FERN THOMASSY: On the 17th?

2 MR. CHRIS JOHNSON: Yes.

3 MS. SUE ESTES: No. Your
4 presentation is at the DERTF that we talked about.

5 MR. GARY HARVEY: To the RAB.

6 MR. BART REEDY: Chris?

7 MR. CHRIS JOHNSON: Okay. Never
8 mind. I understand. Never mind. I got it.

9 MS. SUE ESTES: Different
10 presentation.

11 MR. FERN THOMASSY: Just for us as

12 --

13 MR. BART REEDY: Yes, we'll be
14 tickled to.

15 MR. FERN THOMASSY: And the things
16 we were going to do so that we were planning ahead
17 with what we were going to do on June the 17th.

18 MR. RON LEVY: We talking about --
19 we got two regulars, briefing the RAB on a conference
20 or a --

21 MR. BART REEDY: Yes, that's all it
22 is.

23 MR. RON LEVY: -- or a forum. And

1 then opening discussion on --

2 MR. FERN THOMASSY: There are other
3 members who have attended who could add to what these
4 people have presented formally to us: You, Mark, --

5 MR. MARK ANDERSON: Charles.

6 MR. FERN THOMASSY: -- Charles --

7 MR. MARK ANDERSON: Pete.

8 MR. FERN THOMASSY: -- Pete, I
9 heard were going up as well.

10 MS. LISA KINGSBURY: I've got
11 something to throw out to you. I'm going to try to
12 get Huntsville -- you guys said you wanted to get UXO
13 smart. I'm going to try to get Huntsville at the next
14 meeting. You may want to discuss the eastern bypass.

15 Maybe I can have Barge Wagner
16 (phonetic), who are the contractors for D.O.T., come
17 down and speak on the eastern bypass at the June RAB.
18 I'm just throwing that out.

19 MR. RON LEVY: And let me tell you,
20 that's what I would envision. We're talking a Fort
21 McClellan specific issue that we're going to be
22 discussing. And assuming we took the eastern bypass
23 as an issue and we discussed that at the June RAB, I

1 would feel more comfortable with that, because it's
2 Fort McClellan. They want to see how the RAB is
3 working, as it relates to clean up issues at Fort
4 McClellan.

5 MR. FERN THOMASSY: That's all
6 right. But we still want the back-briefing from the
7 UXO conference, which is going to be held on the 28th
8 of May. So, that will be the first time we'll be able
9 to get it, 28 to 30 May.

10 MR. RON LEVY: But you -- again,
11 what are we talking about for time period on
12 Huntsville talking? Is that the -- that's the same
13 day.

14 MS. LISA KINGSBURY: No.
15 Huntsville will be at the next --

16 MR. FERN THOMASSY: 19 May.

17 MS. LISA KINGSBURY: -- 19 May RAB
18 meeting, to get these guys UXO smart. And then I was
19 thinking that maybe if you guys decide that I could
20 get Barge Wagner in here on the June meeting.

21 MR. FERN TOMASSY: Uh-huh.

22 MS. LISA KINGSBURY: And you can be
23 smart enough to ask questions of Barge Wagner on the

1 eastern bypass.

2 MR. RON LEVY: Barge Wagner is the
3 contractor for D.O.T. that's doing the EIS on the
4 bypass.

5 MR. FERN THOMASSY: Barge Wagner is
6 not going to be able to answer questions regarding
7 UXO.

8 MR. RON LEVY: No, but they'll talk
9 about the eastern bypass.

10 MR. FERN THOMASSY: And those are
11 the only two topics you need for that meeting.

12 MR. MARK ANDERSON: That would be
13 enough.

14 MS. LISA KINGSBURY: That will
15 cover it.

16 MR. FERN THOMASSY: That's plenty.
17 But it also merges very well, too, two topics that are
18 right on top of each other; the eastern bypass and the
19 issue about UXO.

20 MR. RON LEVY: I guess, from an
21 agenda standpoint, that's probably pretty good.

22 MR. GARY HARVEY: That's good. I
23 mean, number one, if you're going to keep -- like the

1 LRA is going to pound somebody on the UXO somewhere
2 down the line. If you've got members going to the UXO
3 conference, they ought to report back to the RAB of
4 what went on. You're only talking about fifteen
5 minutes, and then do the bypass.

6 MR. RON LEVY: You and Chris have a
7 problem with doing that?

8 MR. BART REEDY: No.

9 MR. RON LEVY: Yes, sir, let's do
10 it. If we've got an agreement, let's do that.

11 MR. FERN THOMASSY: Okay. And then
12 there are others who will have attended the conference
13 who could chime in and add to the quick review that
14 you two men have given.

15 MS. LISA KINGSBURY: Sounds like
16 you got an agenda.

17 MR. FERN THOMASSY: I think that's
18 an agenda.

19 MR. RON LEVY: Now, we know what
20 we're going to do about the twenty questions, we're
21 going to bring them up at the next -- or bring them
22 forward at the next meeting, after we've thought about
23 it.

1 MR. FERN THOMASSY: Yes.

2 MR. MARK ANDERSON: And if you've
3 got any questions in the --

4 MS. LISA KINGSBURY: I'm going to
5 send out a reminder.

6 MR. FERN THOMASSY: And send out a
7 reminder, maybe a few days earlier than you normally
8 do, and ask people to get those questions in to you if
9 they can by telephone or fax. But certainly by the
10 19th at the meeting.

11 MS. LISA KINGSBURY: Okay.

12 MR. RON LEVY: Okay.

13 MR. FERN THOMASSY: Any other
14 discussion on the agenda or the questions?

15 Any new business?

16 MR. RON LEVY: Yes, I've got just
17 one point. Instead of me sending out a formal letter
18 to all the RAB members, just a flyer, I think, should
19 do the trick. You don't really need a signed letter
20 from me saying, your next meeting is such and such.
21 How about just a straight flyer that says the meeting
22 is at a certain time and certain place? Does anybody
23 have any problem with that?

1 MS. LISA KINGSBURY: And I'll have
2 a reminder on the flyer.

3 MR. FERN THOMASSY: No. I'm just
4 wondering what did our --

5 MR. RON LEVY: We took it out. No
6 votes required.

7 MR. FERN THOMASSY: Yes, that was
8 for three weeks, right?

9 MR. RON LEVY: Three meetings.

10 MR. FERN THOMASSY: Are we going to
11 continue -- three meetings. Are we going to continue
12 to do that?

13 MR. RON LEVY: I think we were
14 going to bring it back up --

15 MR. FERN THOMASSY: I think is what
16 you're asking, so we may want to amend the minutes.
17 Is that what you're proposing?

18 MR. RON LEVY: Uh, since there is
19 no vote required, just a consensus, at this point.

20 MR. FERN THOMASSY: For the next
21 three months.

22 MR. RON LEVY: Right. And then
23 after that, we'll --

1 MR. FERN THOMASSY: And that's what
2 I'm saying, to sustain that and keep it that way, we
3 should amend the bylaws. So that might be a point of
4 discussion under old business for the next meeting.
5 Because with whatever flyer you put out, you're going
6 to put out that --

7 MS. LISA KINGSBURY: Reminder.

8 MR. FERN THOMASSY: -- agenda and
9 the minutes of the old meeting.

10 MS. LISA KINGSBURY: Right.

11 MR. FERN THOMASSY: Past meeting.

12 MS. LISA KINGSBURY: Right.

13 MR. FERN THOMASSY: So, I assume
14 you would want that as a topic for the May 19th
15 meeting so we can amend the --

16 MR. RON LEVY: It's not part of the
17 bylaws -- --

18 MR. FERN THOMASSY: -- the bylaws.

19 MR. RON LEVY: It's not part of the
20 bylaws, now.

21 MR. FERN THOMASSY: There was
22 something in here about the notification. I have to
23 find it in here.

1 MR. RON LEVY: I don't think it
2 said anything about a formalized letter.

3 MR. FERN THOMASSY: Notice, each
4 notice of a meeting required, whether regular or
5 special, shall be sent to each member's address, first
6 class postage prepaid. Each notice shall describe the
7 time and place of the meeting announced and with which
8 shall be enclosed an agenda of the matters discussed.
9 Just a notice.

10 So, what you're saying is: You
11 just want to get away from having to sign it as a
12 formal letter?

13 MR. RON LEVY: Yes, sir.

14 MS. LISA KINGSBURY: Ron is tired
15 of signing those letters every month.

16 MR. RON LEVY: I don't have a
17 signature pen.

18 MR. FERN THOMASSY: Doesn't require
19 a signature in the first place.

20 MR. RON LEVY: That's right.
21 That's all I'm asking is -- we'll send a notice out.

22 MR. FERN THOMASSY: Any new
23 business? Would anybody like to adjourn.

1 MR. BART REEDY: I have --

2 MR. RON LEVY: Go ahead.

3 MR. BART REEDY: I have a question.

4 A fine one to ask or to talk. There doesn't seem to
5 be very many folks here, as far as the RAB members.
6 Has it been -- membership kind of been tailing off a
7 little bit?

8 MR. RON LEVY: That's one of the
9 reasons we took --

10 MR. FERN THOMASSY: That's one of
11 the reasons they got a quorum last time to suspend the
12 bylaws for three meetings.

13 MR. BART REEDY: Mr. Thomassy, is
14 there any -- is there a move, any kind of action to
15 get, you know, to get everybody back to the table or
16 to find out why they aren't showing up?

17 MR. RON LEVY: That's one of the
18 things I was going to bring up. It's not -- we've
19 still got some members we lost that we needed to
20 replace and we never did get to a decision about the
21 applications that -- we did get -- we all agreed that
22 the applications are okay, but we never developed the
23 decision on how we were going to send the applications

1 out or when we were going to send the applications
2 out. It's still open, it's still out there. So,
3 there's nothing been done.

4 MS. LISA KINGSBURY: We only got
5 the application approved by the RAB just last month,
6 because we haven't have a quorum since Novmber.

7 MR. FERN THOMASSY: Yes.

8 MS. LISA KINGSBURY: And that threw
9 us back a lot.

10 MR. BART REEDY: I'm kind of
11 thinking out loud. Has anybody contacted, for
12 example, Ms. Longstreth? You know, is she --

13 MS. LISA KINGSBURY: Ms. Longstreth
14 called. Her daughter moved to Atlanta and she's busy,
15 helping her move.

16 MR. BART REEDY: Okay.

17 MS. LISA KINGSBURY: She did call.
18 Ike Brown also called. Mike Moore called. Dr. Cox
19 called. Those were the only calls, though.

20 MR. RON LEVY: That's what we're
21 running into. I mean, people are attending, but
22 they're missing a meeting every so often and it tends
23 to leave for short.

1 MR. FERN THOMASSY: But at the last
2 meeting, you approved the applications. Now, what are
3 you going to do with them?

4 MR. RON LEVY: That was an issue.

5 MR. FERN THOMASSY: There were
6 several suggestion. One I had made before, how did
7 you bring this board together to begin with and how
8 did you send the applications out, originally? Why not
9 use that same process?

10 MR. RON LEVY: Well, part of the
11 discussion from the past was whether we were going to
12 go after low income minority individuals. And if we
13 followed the same process, that really wouldn't target
14 them. So, we need to open the discussion back up.
15 And that's what I was hoping is how are we going to do
16 this, in terms of targeting, you know, the low income,
17 the minority folks for a RAB.

18 And we really didn't get to a
19 decision on how we were going to do that. Although we
20 talked about it -- I mean, there was quite a lengthy
21 discussion about that. And Ms. Longstreth and Ms.
22 Harrington had made some suggestions, but we never did
23 follow through on any of those, because I'm not sure

1 anybody -- everybody had agreed to that.

2 MS. LISA KINGSBURY: I need -- we
3 can put it on old business next month, if y'all want
4 to --

5 MR. RON LEVY: I would like to -- I
6 would like to do something. I mean --

7 MR. MARK ANDERSON: Yes, I don't
8 want to wait a whole other month to get applications
9 out. Shoot, if that's all we've got to do, let's post
10 a notice in the paper and at least get it started.
11 You've also got the thing that Ms. Harrington and Ms.
12 Longstreth talked about was going to the social
13 sororities and things like that. I have a mailing
14 list for those that we used during the election. So
15 that's -- we've got addresses that are available to us
16 to be able to do it.

17 MR. RON LEVY: I would like to be
18 able to get a decision, even though we're not talking
19 about a quorum here, to go ahead and do that over the
20 next month. Get a mailing out, put something in the
21 newspaper so we can at least start collecting
22 applicants back in. Target some of the sororities, as
23 you mentioned. You know, we can -- we're always --

1 we're always going to -- we're going to come back to a
2 decision. You, know, we'll get all the applicants in
3 and we can review the applicants.

4 Maybe we can get a review committee
5 of some sort or it becomes part of the membership
6 committee, anyway, to go through the applicants, and
7 maybe try taking that point to target what's in there
8 from a minority standpoint.

9 MR. FERN THOMASSY: One of the
10 things you'll need along with that is a cut off date
11 for the applications. One of the considerations I
12 would throw out is looking around the first of June,
13 so you can get through another meeting before that
14 date is complete, in case there is anybody at the next
15 meeting that has additional ideas on what to do with
16 that application.

17 MR. RON LEVY: Yes, I don't have a
18 problem with that. I just want to get on with this.

19 MR. FERN THOMASSY: Any discussion?

20 MR. MARK ANDERSON: The longer we
21 wait, the more -- I don't want to say we get smarter
22 about stuff, but we just put new people that much
23 farther behind and we have to spend more time

1 educating them.

2 MR. FERN THOMASSY: Any discussion
3 on the application or the dates?

4 MR. ELSER: I just suggest we use
5 the same system that we used when we started this
6 program. Send out the application --

7 MR. FERN THOMASSY: That's one
8 suggestion, added on to possible use of newspapers or
9 other mechanisms of getting information out that
10 applications are being taken. And I brought up the
11 idea of a cut off of 1 June or some date close to
12 that. Any further discussion on that? Anybody want
13 to make a motion?

14 MR. BART REEDY: When is grade
15 school out?

16 MR. CUNNINGHAM: End of May.

17 MR. ELSER: 28th, 29th of May.

18 MR. MARK ANDERSON: 23rd of May, I
19 think.

20 MR. BART REEDY: It's been such a
21 long time since I had kids in school, is that -- do
22 you have any feel -- would that cause people a
23 problem? Is that problematic, having school in and --

1 MR. FERN THOMASSY: I don't think
2 so.

3 MR. BART REEDY: Okay.

4 MR. MARK ANDERSON: 22 May is when
5 it's out.

6 MR. HARRY THOMAS: One thing, if
7 you don't get the applications back until the first of
8 June, then you're got going to be able to make any
9 decision on these people until either when the DERTF
10 is here or after they're gone in July.

11 MR. FERN THOMASSY: That's okay.

12 MR. GARY HARVEY: But you'll be a
13 month ahead --

14 MR. FERN THOMASSY: That's okay.
15 We're not focussing, I don't believe, on having this
16 done by the DERTF or having people here for that.
17 It's too late to focus on that.

18 MR. RON LEVY: It's not the
19 DERTF that's driving us, it's just, you know,
20 reapplying our membership.

21 MR. FERN THOMASSY: We just need to
22 do something.

23 MR. RON LEVY: So, I understand

1 that we, the environmental office here at Fort
2 McClellan, will work that and get the applications
3 out, based upon -- are we talking about a system like
4 we used before or are we going to go and also try to
5 target some audiences?

6 MR. FERN THOMASSY: That's what we
7 had discussed. And what I had done was asked of the
8 regular members -- of which I think there is only five
9 of us here now -- a motion. Do I hear a motion?

10 MS. LISA KINGSBURY: You don't have
11 bylaws here.

12 MR. RON LEVY: You don't need a
13 quorum, you don't need a vote.

14 MR. MARK ANDERSON: It sounds good
15 to me.

16 MR. FERN THOMASSY: All right,
17 since we've suspended the bylaws, then I think what
18 we've discussed at this point is to go ahead and send
19 the applications out, using the information we had
20 when we first put this board together, and expanding
21 it to get that information into the newspaper or
22 newspapers in the surrounding area. Getting that out
23 as soon as possible, with a cut off date close to and

1 around the first of June.

2 MR. BART REEDY: Mr. Thommassy, are
3 you --

4 MR. FERN THOMASSY: Let you figure
5 that, Ron --

6 MR. RON LEVY: We can do that.

7 MR. FERN THOMASSY: Are you going
8 to send it out?

9 MR. RON LEVY: We can do that.

10 MS. LISA KINGSBURY: Fern, you may
11 want a longer cut off date. It's going to take me a
12 couple of weeks to get my stuff together and get those
13 out.

14 MR. FERN THOMASSY: Do you want to
15 make it the 17th?

16 MS. LISA KINGSBURY: I've got
17 (inaudible) --

18 MR. FERN THOMASSY: That way we can
19 focus on the DERTF.

20 MR. BART REEDY: I would suggest --
21 I'm just going to throw this out here on the table.

22 MR. FERN THOMASSY: Yes.

23 MR. BART REEDY: I would suggest

1 that we might want to, some way or another, increase
2 the saturation, to try -- of the minority community,
3 maybe try and get that --

4 MR. FERN THOMASSY: How about a
5 usable mechanism? Do you have any suggestions?

6 MR. BART REEDY: Yes.

7 MR. GARY HARVEY: Mark has got a
8 mailing list.

9 MR. MARK ANDERSON: I've got a
10 study from the environmental justice folks at Clark
11 University.

12 MS. LISA KINGSBURY: You've got
13 that stuff?

14 MR. MARK ANDERSON: Yes. And I've
15 got a list for NAACP, SCLC and so on that we can do a
16 mail out.

17 MR. FERN THOMASSY: Any other
18 discussions or any other suggestions along that line?
19 Is that what you were looking for, Bart?

20 MR. BART REEDY: Yes, sir.

21 MR. FERN THOMASSY: We'll provide
22 that to Lisa and Ron.

23 MR. MARK ANDERSON: Yes.

1 MR. FERN THOMASSY: I'm trying to
2 come to a conclusions, but I'm not trying to cut it
3 off. If there is more that needs to be expanded upon
4 because of the minority issues that are involved in it
5 --

6 MR. RON LEVY: Just understand that
7 we're putting an applicant pool together and that's
8 really all we're doing, at this point. There has not
9 been any selection that's associated. That will
10 become a part of either the charter membership
11 committee or whatever the RAB decides, separately.

12 MR. FERN THOMASSY: We use as a
13 shooting date then the middle of June, since Lisa
14 needs the time, on or around the 15th of June, which
15 would be the cut off.

16 MR. RON LEVY: Well, I will tell
17 you that Lisa doesn't need to do it all. I've got a
18 public affairs office here and they can help out, as
19 well. So, don't just stick that on Lisa.

20 MR. FERN THOMASSY: Talking about
21 the cut off date for the application.

22 MS. LISA KINGSBURY: Mid-June.

23 MR. FERN THOMASSY: Is mid-June all

1 right? So, anybody -- we'll go with that. And since
2 we suspended the bylaws, we don't even need to vote on
3 that.

4 MR. RON LEVY: No, we don't.

5 MR. FERN THOMASSY: We've done and
6 you're legal.

7 Further discussion? Any other
8 points on the applications or how they're going to be
9 handled? Going to use the old mailing list, the old
10 process, plus what Mark gives them, plus a couple of
11 newspapers. Certainly, the Anniston Star. Any
12 others? Jacksonville?

13 Any other discussion on other new
14 business?

15 MR. CUNNINGHAM: I have some
16 extracts I have taken from the April 21st issue of the
17 Army Times. You might find interesting.

18 I would invite anyone that wants a
19 copy of this to go by and pick it up. But what it
20 talks about is England Oaks. England Air Force Base
21 in Louisiana was converted by one of the companies
22 into a retirement center. And they are now
23 advertising in the Air Force Times and other places,

1 and they are very successful with this.

2 I called the one eight hundred
3 number and talked to a lady there in the office. And
4 I have a memo here that describes some of the salient
5 points relative to that.

6 Now, this has nothing to do with
7 RAB, but it is an example of how the -- a base under
8 BRAC can be re -- very quickly reoriented to civilian
9 utilization.

10 MR. GARY HARVEY: As an add on to
11 that, those very same people you're talking about,
12 California Lutheran, they have been out here and done
13 tours and they are interested in the property. Rob
14 and L. Z. Have been dealing with them quite a bit.

15 MR. CUNNINGHAM: Right. So, you're
16 welcome to come by and pick up a copy of this if you
17 want it.

18 That's all I have.

19 MR. FERN THOMASSY: Anybody else?

20 Then I propose we adjourn this meeting.

21 (WHEREUPON, the meeting was concluded.)

22

23

1 C E R T I F I C A T E

2 STATE OF ALABAMA)

3 CALHOUN COUNTY)

4

5 I, SAMANTHA E. NOBLE, a Court

6 Reporter and Notary Public in and for The State of

7 Alabama at Large, duly commissioned and qualified,

8 HEREBY CERTIFY that this proceeding was taken before

9 me, then was by me reduced to shorthand, afterwards

10 transcribed upon a computer, and that the foregoing is

11 a true and correct transcript of the proceeding to the

12 best of my ability.

13 I FURTHER CERTIFY this proceeding

14 was taken at the time and place and was concluded

15 without adjournment.

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23 IN WITNESS WHEREOF, I have hereunto

1 set my hand and affixed my seal at Anniston, Alabama,
2 on this the 26th day of April, 1997.

3

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SAMANTHA E. NOBLE

9

Notary Public in and for

10

Alabama at Large

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MY COMMISSION EXPIRES: 11-14-97.

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