

CAMP CROFT RESTORATION ADVISORY BOARD MEETING

PLACE: Marriott Renaissance Hotel
Spartanburg, South Carolina

DATE AND TIME: Thursday, June 5, 2014
6:35 p.m. to 7:30 p.m.

REPRESENTATIVES: Ray Livermore
US Army Corps of Engineers
Wilmington District

Julie Hiscox
US Army Corps of Engineers
Charleston District

Teresa Carpenter
US Army Corps of Engineers
Huntsville District

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BOARD MEMBERS
PRESENT:

Jimmy Tobias
Bob Williams
John Moon
Gary Hayes
Donald Gibson
Hugh McMillan
William B. Littlejohn, Jr.

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1 BY MR. MOON:

2 Let's go ahead and get started this evening. I'd just like to welcome
3 everybody to the Restoration Advisory Board meeting this Thursday, June
4 5, 2014. I'd like to go ahead and get right into it with the new business;
5 the Remedial Investigation and Feasibility Study from the Army Corps of
6 Engineer. If you would, sir --

7 BY MR. LIVERMORE:

8 Introduce myself, sure. My name is Ray Livermore. I'm the project
9 manager with the U.S. Army Corps of Engineers. I am in the Wilmington
10 District in North Carolina and will be replacing Sean Boone as the project
11 manager for the Camp Croft former use defense site.

12 Just a little background on myself; I've been with the Wilmington District
13 for about 11 years now, working in various aspects. A technical team
14 member initially, and then project manager for the last several years for
15 the North Carolina FUDS projects. And before that I was in the Baltimore
16 District for the Army Corps of Engineers as a technical manager as an
17 Environmental Engineer.

18 Okay, an update on the Camp Croft RI report. As many of y'all have
19 seen, the RAB members, the RI report is still in internal review. I know
20 it's been a long process, but I believe we are hopefully seeing the light at
21 the end of the tunnel. Still addressing some of the internal comments
22 from the Center of Expertise on their report and we are planning on
23 making a presentation on the results for the September RAB meeting.
24 And because we're still addressing some of those internal comments, we
25 aren't able to present any of the results yet at this time. So that's really

1 an update where we stand on the RI report.

2 BY MR. MCMILLAN:

3 Question.

4 BY MR. LIVERMORE:

5 Yes, sir.

6 BY MR. MCMILLAN:

7 What are the major issues that are still being sorted out? I mean there's
8 got to be something that's the wait a minute vine or two.

9 BY MR. LIVERMORE:

10 Right. Teresa, if you could -- because I have not really seen any of the
11 comments, obviously, just coming on to the project here in the last month
12 or so.

13 BY MS. CARPENTER:

14 Most of the comments are policy driven. They're, you know, what we're
15 going to call the MRSs, how we're going to break the MRSs up; the
16 individual areas that we're going to delineate so that they can go forward
17 for their remedial alternative, whatever that may be. And so we're
18 addressing those. And like I said, most of them are policy driven rather
19 than technical. It just takes a while to work through all of that and make
20 sure that we're getting everything per the guidance.

21 BY MR. MCMILLAN:

22 So are we talking about changing the policy or are we talking about
23 changing the wording in the report? I don't quite understand --

24 BY MS. CARPENTER:

25 It's the wording in the report --

1 BY MR. MCMILLAN:

2 -- the difference.

3 BY MS. CARPENTER:

4 The wording in the report, the way it's -- the way the MRSs will be set up
5 have to follow a certain structure and we're having some issues. We had
6 some issues with getting that in place, and I think we've got that taken
7 care of and we're just waiting to get the response back from the CX to
8 make sure that we have addressed that issue.

9 BY MR. HAYES:

10 Has there been any extra time critical removal actions?

11 BY MR. LIVERMORE:

12 Since the last time critical?

13 BY MR. HAYES:

14 Yeah.

15 BY MR. LIVERMORE:

16 No; no, sir.

17 BY MR. HAYES:

18 Any feasibility study? I would think that there are places inside the park
19 that would be time critical if it was outside the park, just like
20 Henningston Road over there, which has been deemed as no use and
21 somebody put a rope boundary, or wire -- what kind of boundary is it,
22 John?

23 BY MR. MOON:

24 It's just a 3-band wire fence around, I'd say, a good many acres; I'm not
25 sure.

1 BY MR. HAYES:

2 It'd be over 60 acres, wouldn't it?

3 BY MR. MOON:

4 Yeah; I want to say it's 80 acres.

5 BY MR. LIVERMORE:

6 Is this area part of the park?

7 BY MR. MOON:

8 It is. It's along Henningston Road. But now, I don't know that -- it's
9 been marked that way since '96 when some study was done back in the
10 '90s; it's been closed off since then. It wasn't closed off this way during
11 this investigation they just done. This was --

12 BY MR. LIVERMORE:

13 Historical?

14 BY MR. MOON:

15 Right. Now, I don't know if that's because it was -- maybe it's not as bad
16 as once thought; that I don't know. So that's kind of -- I've been, you
17 know, wanting to know, but that's something I can't answer.

18 BY MR. LIVERMORE:

19 Are you asking, Mr. Hayes, whether there should be a TCR done on this
20 property, or are you asking whether we are looking at --

21 BY MR. HAYES:

22 Well, it should have been part of the feasibility study if they did tangents
23 through the property, something as big as 60 or 80 acres should have been
24 covered.

25 BY MR. LIVERMORE:

1 And the RI report will determine what recommended actions will be taken
2 for different areas throughout the flood site, so that will be one area there
3 will be a recommendation whether there should be a time critical or
4 whether -- what the real action would be for that particular area, so that is
5 something that is going to come out on the report.

6 BY MR. HAYES:

7 Because, you know, it should eventually be cleaned up instead of no use.
8 Because it is no use, you can't use it, and the park is growing every day
9 and there might be a time when they need to use it. And I sure hope they
10 have the policy or wording right on what they plan to do with that area.

11 BY MR. LIVERMORE:

12 I can't speak in-depth as to the history of the site because I'm starting to,
13 obviously, trying to get up to speed on it, but obviously what is
14 recommended in the RI report, I'm not sure if the RAB is familiar with
15 the process that we have to follow, but it's the CERCLA process that this
16 project is following. When we complete the RI report, there will be a
17 feasibility study where it will evaluate which alternatives are most
18 appropriate for the different MRSs identified in the project. At that point
19 the Corps will recommend what alternative we feel is best for the project,
20 or for each MRS, and there will be a public meeting that allows the public
21 to review and comment on whether they feel that's appropriate, or there
22 should be a different alternative that is most appropriate for that area. So
23 the public will have that option, or that opportunity, to provide their
24 comments on what they feel is the most appropriate for that particular
25 area if they do not agree with what the recommended alternative is.

1 BY MR. HAYES:

2 I think the Board helped make the recommendation to make that site not
3 usable at that time because there were other areas that needed to be
4 cleaned up at the same time; there were a lot of areas designated at once.
5 And so as the RAB was looking at it, I think the RAB said "Well, we'll
6 just say we're not going to use this area and keep people out while we're
7 cleaning other places", and I think the RAB was under the impression that
8 eventually it would come back to clean that area up.

9 BY MR. LIVERMORE:

10 And as I said, that may be one of the specific areas that were identified in
11 the RI report, as far as future remediation to be done at that site.

12 BY MR. HAYES:

13 Good; that will be good.

14 BY MR. MOON:

15 Any other questions on -- yeah, go ahead.

16 BY MR. SAVKO:

17 Paul Savko, a resident. Mr. Livermore, there were five independent
18 groups that was supposed to review the final assessment; have all five
19 finished, or what is the status?

20 BY MR. LIVERMORE:

21 You're referring to the RI report that --

22 BY MR. SAVKO:

23 What is the status?

24 BY MR. LIVERMORE:

25 Again, I would defer to Teresa. It sounds like that all of those entities

1 have reviewed it and we are just waiting on the final entity, which is the
2 Center of Expertise to complete their review.

3 BY MR. SAVKO:

4 Thank you.

5 BY MR. LIVERMORE:

6 So what I'm expecting is that at the September RAB, we should be able to
7 present the results and the identified areas that will be going forward to
8 the feasibility study at the September RAB meeting.

9 BY MR. HAYES:

10 And this is supposed to take -- has a 5-year deadline, right?

11 BY MS. CARPENTER:

12 The contract does.

13 BY MR. HAYES:

14 Now when is the end of the 5 years?

15 BY MS. CARPENTER:

16 It was awarded in -- I don't remember the date it was awarded.

17 BY MR. HAYES:

18 I know the actual grid work, they have two years --

19 BY MS. CARPENTER:

20 I know we're not coming on five years right now; it might be next year.

21 BY MS. HISCOX:

22 Might have to get that answer for you and send it to you.

23 BY MR. HAYES:

24 The grid work had a 2-year 3 million dollar contract, and that was over
25 about a year ago, I think, or a year and a half.

1 BY MS. HISCOX:

2 Yeah, those usually happen a lot quicker.

3 BY MR. HAYES:

4 So it's actually taking longer for the feasibility study than the actual
5 work?

6 BY MS. HISCOX:

7 Absolutely; always.

8 BY MR. LIVERMORE:

9 And Mr. Hayes, what this current contract includes is completion of this
10 RI report that we'll have, feasibility study, and then the proposed plan,
11 which is basically what the Corps is recommending as far as the cleanup
12 action for that site, and then we basically document any record of
13 decision, or decision document, which is the vehicle that we will send to
14 get signed by headquarters, or whatever approval authority we have to, to
15 basically get the funding approval to conduct the cleanup action. So this
16 current contract runs through that stage, and then once we've identified
17 whatever cleanup actions is necessary for this site, then we would have to
18 award a separate contract for that to do the actual cleanup of those
19 specific areas here within Camp Croft.

20 BY MR. HAYES:

21 Would that be a bidding type --

22 BY MR. LIVERMORE:

23 I'm sure that will be something that we'll be looking at once we get to
24 that stage, yes.

25 BY MR. HAYES:

1 I just don't think there's been a lot of competition in the past, and I think
2 it's needed.

3 BY MR. MCMILLAN:

4 So does the Corps, on these individual contracts, keep something like a
5 Gantt chart, and that might not be a common word for it or whatever, but
6 for scheduling events?

7 BY MR. LIVERMORE:

8 Yes, sir.

9 BY MR. MCMILLAN:

10 Are we on time with your chart, or are we behind?

11 BY MR. LIVERMORE:

12 I'm not sure; probably from the original schedule, we're probably behind
13 what the schedule is, and it's probably -- it's obviously not the fault of --
14 the contractor may have some fault here, I'm not sure as far as the
15 history, but obviously it's been a lengthy delay as far as the government
16 is concerned and the Center of Expertise with their review, so I'm sure it
17 probably doesn't match up with what the original schedule was in the
18 work plan.

19 BY MR. MCMILLAN:

20 I would think if you could present that chart, a Gantt chart, at each
21 meeting, you know, we would see from the beginning of the contract what
22 -- you know, what items are and what the time line is for that, and that
23 would help answer a lot of questions that a lot of us don't know quite how
24 to ask because we can't quite envision whether or not we're on schedule
25 or behind schedule.

1 BY MR. LIVERMORE:

2 I think that's a great idea and I will certainly have -- Zappata is the
3 contractor that had done the field work for the RI; we'll certainly have
4 them -- they will be here for the results of the RI at the September RAB
5 meeting, and that's something we will definitely have them present, the
6 schedule, as far as to completion through the record of decision.

7 BY MR. HAYES:

8 Now, will that RI, will it be presented to the Board before it's presented
9 to the public, or will it be at the same time?

10 BY MR. LIVERMORE:

11 I believe our intent is to present it to the Board first and then have it
12 available to the public once we're presented it to the Board.

13 BY MR. HAYES:

14 You know, one of the purposes of the Board is to make recommendations
15 to the Corps as to what RAB thinks would be -- should be done, because
16 we represent the public, and we started -- we were doing that a lot when
17 we first started, but it's got to where it's just getting further and further
18 away from that and the RAB really hasn't been having any input in what's
19 being done, so I hope we can get back in to that.

20 BY MR. LIVERMORE:

21 Certainly; certainly. I think that's a great aspect of the RAB, and it's
22 definitely a tool that we should use to be able to communicate that type of
23 information, so yes, certainly we will provide it to the RAB before it's
24 released to the public.

25 BY MR. MOON:

1 Anymore questions?

2 (No response.)

3 BY MR. MOON:

4 All right, moving along. An area that I particularly had some question
5 about is the Croft State Park trail clearance. Just kind of -- I missed the
6 last meeting, but I think some of the things that were questioned were
7 what trails have been, you know, scanned and cleared. I've got a -- I
8 personally have, you know, a certain understanding of those trails that
9 have been deemed, you know, cleaned of any ordnance, but I think what
10 we've been trying to do is, obviously, as I shared with you in an email,
11 was to open up some new trails, so I think what I'd like to see is kind of
12 what we -- what has been cleared and what has been deemed areas that the
13 trails are in, or where are those trails that are -- have been scanned in the
14 past at some point so we'd have a better knowledge of that.

15 BY MR. LIVERMORE:

16 Sure; the figure that you had provided, I forwarded to Zappata to have
17 them overlay the trails with the OOU and some of the historical
18 discoveries that they have had as far as munitions debris and MEC. And
19 they have done that on one of the figures. Heather, is it the figure up; do
20 you know if it's ready?

21 I know it may be a little bit difficult to tell the different items, as far as
22 munitions debris and MEC items, but basically what the conclusion of --
23 this is, and y'all may know this better than I do as far as which OOU
24 these are, but these are some of the historical -- actually, I'm sorry, these
25 are some of the areas, the new MRSSs, that I'm looking at being proposed,

1 and obviously the transects that were done during the RI field work.

2 These items here --

3 BY MS. BYRD:

4 Ray, can you explain to the new people here what an OOU is and the
5 MRS?

6 BY MR. LIVERMORE:

7 Sure. Again, I'm learning on the fly, too, because this is -- I've been
8 reviewing a massive amount of historical documents that we have on this
9 project, and from what my understanding, looking at some of the
10 historical documents, the engineering evaluation cost analysis, the EECA
11 that was done previously, and again, and identified several areas of
12 concern, and have labeled them as -- I think it was operable ordnance
13 units is what they had -- the term that they were using, OOU's. And there
14 was probably -- you guys could probably help, as far as specifically,
15 maybe 15, I think, OOU's, or somewhere in that neighborhood, throughout
16 the Camp Croft FUDs, basically areas that they knew information that
17 indicated a possible range in that area, impacted area, so it required
18 further investigation in those areas. So that's really where the term OOU
19 comes from. Talking with the Zappata folks, they've kept that
20 terminology, but in this next stage, once the RI report comes out, we will
21 be going to the MRS, the munitions response site, which is basically the
22 terminology that we're using, as far as going forward, identifying areas
23 that require further investigation, or some type of cleanup in this regard.
24 And this figure right here, again, these are some of the new areas that
25 we'll see in the RI report once it's ready for public release, but these are

1 some of the new MRSs that we're looking at.

2 These yellow lines here are mortar munitions debris; basically -- I'm not
3 sure, but all of you are probably familiar with some of the terminology;
4 munitions debris being inert items with fragments of former unexploded
5 ordnance items. We use the term now munitions and explosions of
6 concern to basically describe live rounds, live UXO. So most of the items
7 that have been found historically through these areas are munitions debris,
8 which is obviously a concern because that means that there was some type
9 of activity that was going on, and obviously the possibility of finding
10 MEC or UXO items is possible in that area. So the yellow is munitions
11 debris, mortar munitions debris. The historical MEC items are -- I'm
12 looking; there's one here and several down here. (Referring to map.)
13 And I guess this is part of the camp area; I think, from what I recall in
14 some of the reports, I think there was some initial removal actions that
15 were done historically in that area.

16 BY MR. HAYES:

17 Yeah, the park had to close down for a good length of time in that area,
18 and on down south from there is the campgrounds and the horse ring and
19 all that. They found a lot of stuff in that area was heavily used.

20 BY MR. LIVERMORE:

21 When the removal actions were conducted?

22 BY MR. HAYES:

23 Yeah, when we first got going.

24 BY MR. LIVERMORE:

25 So basically, you can see, because of the amount of the discoveries of

1 munitions debris and MEC items, these are obviously areas that you had
2 asked, as far as what is the potential for these areas, are they at risk areas,
3 and obviously those are areas, because of their -- they are in these areas
4 that are going to be identified as future MRSs, so this is an area that
5 obviously has high potential to encounter MEC items in there.

6 This area also, this trail that goes here, what they --

7 BY MR. HAYES:

8 These are new ones that came up in the investigation?

9 BY MR. LIVERMORE:

10 These will be areas that will be identified in the RI report as far as --

11 BY MR. HAYES:

12 That came up with debris?

13 BY MR. LIVERMORE:

14 Well, and I believe a lot of these probably correlate, I don't think it's on
15 this map, but a lot of them probably include, or they may even be the
16 same boundaries as the OOU, the historical OOU, for the site. That's not
17 depicted on this figure here, but these two areas here probably do coincide
18 with some of the original OOU for the site.

19 BY MR. HAYES:

20 And also, some of those OOU had subsets, like OOU A, B and C.

21 BY MR. LIVERMORE:

22 But John, you had asked about these specific trails here; my
23 understanding, what the contractor -- what Zappata did here, is they did a
24 upper -- I believe the blue line here may be a 300-foot buffer; yeah, a
25 300-foot buffer. And the orange line in here, around the trail, is a 50-foot

1 buffer. Basically, they tried to get an idea of -- you had asked, again,
2 from a risk potential, what is the potential hazard here, so they tried to
3 give me an idea on the immediate trail how many past discoveries have
4 there been, and then looking at a wider view, what is the potential, again,
5 to encounter possible MEC items.

6 So you can see these two areas are definitely areas of concern that we
7 obviously will be carrying through to the FS, as far as cleanup.

8 This trail here, and obviously a good portion of this trail here, I would
9 say probably the less likely to encounter those items based on what has
10 been found historically, and the fact that they are outside of some of these
11 areas that we are -- will recommend carrying further in the FS.

12 BY MR. MOON:

13 So when do you know whether or not those will be -- potentially be
14 cleared of, and at least given a -- so that the risk factor is much less; do
15 you know that?

16 BY MR. LIVERMORE:

17 As far as some type of cleanup action or what will be done?

18 BY MR. MOON:

19 Right.

20 BY MR. LIVERMORE:

21 Again, that's the process that I was talking about, the CERCLA process;
22 the RI report will document what was done in the field; we will have the
23 feasibility study, which I'm just thinking out loud, you know, from a
24 scheduling standpoint how long it typically takes those types of
25 documents. We're probably looking at six months for that, so probably in

1 the spring time that report, or that -- we may have had one review and
2 that's probably going to be ready for public review at that time; that will
3 detail what is recommended as far as these particular areas. And that will
4 recommend we do a surface clearance -- maybe a clearance to depth. I
5 don't know what it's going to be, what is going to be recommended, but
6 that will actually identify what they feel is the most appropriate cleanup
7 action for that particular area. Once that's done, we will have, what I
8 mentioned before, was a proposed plan; basically, it is a document that
9 identifies this is what we're going -- this is the action that we feel is
10 appropriate, this is what we're going to move forward to. The public gets
11 to review that. There's a 30-day --

12 BY MR. MOON:

13 You say that could be available by the spring possibly?

14 BY MR. LIVERMORE:

15 That document will come after the feasibility study, which is probably
16 going to be spring time. Again, I'm just -- these are just really tentative
17 dates. Until the contractor identifies what the schedule is, and we'll
18 present that at the next meeting, so we're probably not looking at any
19 earlier 'til, you know, before next summer before we get to this proposed
20 plan. That will be a 30-day comment period on that; the public gets to
21 look at that and they get to comment on that. Once all the comments are
22 received, we address the comments and then we get to a decision
23 document, which is basically the document that I had said, that indicated
24 before where we have to route it to, to get approval from headquarters,
25 Army headquarters; basically get the approval to expend the funds to do

1 those cleanup actions for that activity, and that will probably be -- to take
2 that process and route it through up the chain of command, that does take
3 some time, so we're probably looking at least a year, probably, before we
4 get to the actual signature of that document. And that's just -- like I said,
5 that's a tentative date right now. It could be dependent on what reviews
6 we have done before getting to that. But that's the process as far as
7 getting to the point of actually obtaining the approval to get the funding
8 to do the cleanup actions.

9 BY MR. HAYES:

10 And what would you call that?

11 BY MR. LIVERMORE:

12 That's a decision document; it is a document that is signed -- probably for
13 the monetary value we're looking at, I guess it's probably headquarters
14 Army or --

15 BY MS. HISCOX:

16 Yeah, at least headquarters; it might have to go up to Army. And I think
17 the other thing you might want to talk about a little bit is part of that will
18 be scoring these sites so that we prioritize which ones are worse and
19 which ones we think should go first. But I think the RAB is going to have
20 a lot of input to which one they think should go first, too, because we'll
21 come up with a, kind of a ranking, in terms of number of munitions, type
22 of munitions, all of that. But if the site, like this, is being actively used,
23 encroachment and used by the residents, we'll jump that ranking up in
24 terms of getting a site addressed quicker. So those kinds of things we'll
25 get from you will be very helpful in determining which site we go clean

1 first.

2 BY MR. GIBSON:

3 We're talking about the trails; is this just the horse trails or does this
4 include the bike trails on the backside?

5 BY MR. LIVERMORE:

6 This figure here, or what we're discussing in regard to the entire project?

7 BY MR. GIBSON:

8 This here.

9 BY MR. LIVERMORE:

10 This is just the horse trails; this is a figure that John had emailed me
11 earlier, so this was some information I was able to provide to the
12 contractor that's doing the RI report.

13 BY MR. MOON:

14 If we're able to make these trails reality, they would be multi-use.

15 BY MR. GIBSON:

16 Okay, but the bike trails that are there now, are you --

17 BY MR. MOON:

18 Those are on the south side. Those are actually --

19 BY MR. GIBSON:

20 I know. Are you responsible --

21 BY MR. HAYES:

22 These are south of here.

23 BY MR. GIBSON:

24 Are you responsible for them?

25 BY MR. MOON:

1 Uh-huh.

2 BY MR. GIBSON:

3 And it's a part of the park?

4 BY MR. MOON:

5 Yes, sir.

6 BY MR. GIBSON:

7 Okay, it's on park property?

8 BY MR. MOON:

9 Correct.

10 BY MR. GIBSON:

11 But nothing has ever been done as far as specifically clearing, or no real
12 studies about those trails?

13 BY MR. MOON:

14 To the best of my knowledge, the trails that exist on a map, to some
15 degree, have been cleared to at least -- kind of similar to what he was
16 talking about with the trail up here at the top; that's not -- I mean, it's a
17 trail that's used a lot, but it's unofficial, so people use it at their own
18 risk. We don't have it on a map; unless you know it's there, you wouldn't
19 even know how to get to it. But some trails that have been created in
20 Croft have been based off of just kind of the -- an assessment from the
21 park service that says the risk factors involved with allowing the public to
22 get there. So you kind of take -- the way the park service looks at things,
23 that there's a lot more people who die hiking to Table Rock and going to
24 the face of that mountain and then looking out on that overlook, so they --
25 but they don't close that trail just because people have and do, you know,

1 continue to have a problem like that. So all of the south side bike trails
2 will continue -- most of those were low impact in the small arms and it
3 wasn't a lot of heavy artillery. But this area here, I knew that going in to
4 it that it had a lot more history of that type of impact in those zones.
5 But overall, yes, this would be -- you know, really what I was trying to
6 look for was, obviously, if it's a high potential there, the park service
7 wouldn't open it up. Now, if it was to come back to be like the top one
8 up there, obviously a much low risk involved with that, the top trail, or
9 the one north of the lake looks to be a lot -- a low area where we could
10 probably make a judgment call on the odds. I mean, obviously, you can
11 find munitions or ordnance anywhere in Croft. I mean, you could find one
12 right in front of the horse stalls for that matter; it's a chance that you
13 could do it, but yet there's a horse stall there. There's a campground, and
14 that kind of thing.

15 This allows us to make better decisions. But just based off what I'm
16 seeing, it looks like it would be like a 2-year -- I mean just before you
17 would get -- reach an actual cleanup opportunity, you may be looking at
18 two years out.

19 BY MR. LIVERMORE:

20 And again, going back to what Julie Hiscox had indicated, a lot of these
21 projects are going to be based on a risk perspective; it takes into account
22 the type of -- the use of the property, whether it's residential or
23 recreation, things of that nature, the type of ammunition that was used in
24 that area, and basically calculates a number where all the projects are
25 basically compared against each other, and obviously the ones that have a

1 higher priority, or a higher risk, are going to get the funding first to
2 address them.

3 BY MR. MOON:

4 Now, did you say that those, the marks that I'm seeing there, are those
5 heavy artillery-type of anomalies that I'm seeing on there?

6 BY MR. LIVERMORE:

7 At least the figure that I was provided, the yellow are mortar munitions
8 debris; green -- and I'm not sure if you can differentiate on the figure up
9 there, but there's green squares that are projectile munitions debris, which
10 would probably be anything from a 37 millimeter, which I'm not sure if
11 y'all are familiar with, you know, about like that (Gesturing), to a -- I'm
12 guessing this site we probably have 105s or 155s, and --

13 LIEUTENANT DYAS:

14 The 105s were shot further -- the range was further out. There's 2.36s,
15 that's actually -- that's what they're probably talking about is 2.36s. We
16 had a lot of them in that area last year.

17 BY MR. LIVERMORE:

18 And then there are some orange ones; those were identified as grenade
19 munitions debris.

20 BY MR. HAYES:

21 I just want to point out to everybody that all these dots are on these
22 transect lines, and so that's what they picked up when they were doing the
23 transects, so there might be a lot more in between the lines; so that
24 everybody understands what we're talking about here. And it looks like
25 they did a small grid here to get a more concentrated; must have found

1 something in here interesting to do a smaller grid.

2 BY MR. LIVERMORE:

3 It could have been from historical information that indicated that that was
4 maybe an area of interest that they needed to evaluate in a little bit more
5 detail.

6 But to get back to what you were saying earlier, Mr. Hayes, about the
7 transects and the spacing; keep in perspective that this part of the project
8 is really just a characterization. Really what they're trying to do is to
9 find where the contamination is and the boundaries of where that is;
10 basically identify the areas that we need to carry on further to a
11 feasibility study.

12 BY MR. HAYES:

13 Have they calculated the acreage on these purple caterpillars up there?

14 BY MR. LIVERMORE:

15 On these areas here; these areas right here?

16 BY MR. HAYES:

17 These areas going around here.

18 BY MR. LIVERMORE:

19 This here was just -- again, this was what you had requested as far as the
20 trails. This was a 300-foot buffer that they did around the trails. I'm not
21 sure what --

22 BY MR. HAYES:

23 But they're not recommending to grid the whole thing?

24 BY MR. LIVERMORE:

25 Well, what this was, was basically just to provide information to John in

1 response to what he's looking at for the trails, and this is not -- this is
2 probably not going to be anything that they -- that comes out in the RI
3 report, as far as this is an area; it'll probably be more of these type of
4 areas here.

5 BY MR. HAYES:

6 What's that big purple place?

7 BY MR. LIVERMORE:

8 Right here?

9 BY MR. HAYES:

10 Uh-huh.

11 BY MR. LIVERMORE:

12 I think this is another -- this may be another MRS, or munitions response
13 site that they identified in the RI report.

14 BY MR. MOON:

15 It's the one when you ride through the park.

16 BY MR. HAYES:

17 They've already --

18 BY MR. MOON:

19 Well, I think it goes back to the same time they did the one off
20 Henningston Road that we keep -- that one doesn't have a fence around it;
21 we just have those do not enter signs like every 10 feet.

22 BY MR. HAYES:

23 On this one right here?

24 BY MR. LIVERMORE:

25 This probably correlates to one of the historical OOU's, I'm guessing.

1 BY MR. HAYES:

2 I'm just wondering why they didn't mark Henningston Road on here?

3 BY MR. MOON:

4 My guess would be because --

5 BY MR. HAYES:

6 This is Henningston Road right through here, isn't it?

7 BY MR. MOON:

8 Yeah, that whole section right down through there, through -- straight up
9 and then -- yeah.

10 BY MR. LIVERMORE:

11 Does it go off the map?

12 BY MR. MOON:

13 No; it would be like right in here.

14 BY MR. LIVERMORE:

15 And again, they may not have identified because it didn't overlay with the
16 trails, because that was the purpose of this map, is just to provide John
17 the answer on the trails and what the --

18 BY MR. HAYES:

19 Well, the topo right in there, it looks fairly level in this area; the topo in
20 this area.

21 BY MR. TOBIAS:

22 Yeah, but there's no horse trails up there, Gary.

23 BY MR. HAYES:

24 Huh.

25 BY MR. TOBIAS:

1 That's what -- this is what the whole thing is about, horse trails.

2 BY MR. HAYES:

3 I understand that.

4 BY MR. TOBIAS:

5 And horse trails is what he's talking about, and that's why they -- he
6 wanted some identification for his own personal work to tell people, so
7 there wasn't no need to put everything up there on there.

8 BY MR. HAYES:

9 I know there's not horse trails there because it's roped off for no use.

10 BY MR. TOBIAS:

11 Right. He's -- this is all concerning horse trails.

12 BY MR. LIVERMORE:

13 But those areas that you're concerned about, or you're talking about, Mr.
14 Hayes, if that's an area that is of concern, it will be identified in the RI
15 report and what the recommended action is to address that will be
16 identified in the feasibility study. So that will be addressed in the RI
17 report and identified.

18 BY LIEUTENANT DYAS:

19 I can tell you, two years ago we were -- they found munitions off of
20 Henningston and we dealt with it because they called us out there. So
21 they had their transect lines drawn and they were finding stuff, so it is
22 there, and they know that.

23 BY MR. MOON:

24 You're talking about in that barricaded area? Is that what you're
25 speaking of?

1 BY LIEUTENANT DYAS:

2 No, I'm talking about -- you were pointing to the left side of the road, and
3 yeah, that's where they were at two years ago. Of course, last year it was
4 Dairy Ridge Road, but it is out there.

5 BY MR. LIVERMORE:

6 Questions?

7 BY MR. SAVKO:

8 Sir, on these 14 or 17 sites of interest, do you have a completion
9 percentage of exactly -- how much have you completed on each of the
10 sites, a percentage?

11 BY MR. LIVERMORE:

12 From an investigation standpoint?

13 BY MR. SAVKO:

14 Yes.

15 BY MR. LIVERMORE:

16 Well, we're done with the field work. The entire --

17 BY MR. SAVKO:

18 One hundred percent on everything?

19 BY MR. LIVERMORE:

20 Yes; yes. The entire site has been investigated and that's what we'll be
21 documenting in this RI report once we present the results in September.
22 So the entire area has been investigated and we are going to identify these
23 areas that we're going to carry further through the process.

24 BY MR. MOON:

25 Now, in that cleanup action on this like we're talking about, let's say we

1 move in, in two years from now, do you know if -- I mean what -- is there
2 a chance that they may think, like the trail here that has the most
3 anomalies there on it, is there a potential that they would say that because
4 that trail is not official, it's not open, it's not -- would they turn down
5 clearing that trail?

6 BY MR. LIVERMORE:

7 Again, I would hope that would be something that comes out in the public
8 participation, as far as looking at the document, providing comments on
9 how you feel -- you know, if it's identified that this area, say the
10 feasibility study or the proposed plan identifies that these areas aren't --
11 they didn't score as high because they're not -- the exposure is not there
12 because it's not used, the trail is not used as frequently as say another
13 portion of the trail, that would be something that would be commented on
14 by the public or yourself to possibly change what that score is, and
15 obviously increase or improve the priority ranking for that site.

16 BY MR. MOON:

17 So all of the trails, the general public would have a big say in whether or
18 not it's something that they felt the need to have.

19 BY MR. LIVERMORE:

20 Right; and that's something that y'all can, once you've seen the RI report
21 and the FS, if you see something that does not look accurate from that
22 perspective, I would hope that would be something that we could discuss,
23 especially in this forum here, whether that needs to be evaluated again
24 and maybe changed in our process.

25 BY JULIE HISCOX:

1 And I would just comment on your question; just as an example, we have
2 a project in Macon where the land there is being used, and it's certainly
3 not being used officially, there's kids that just go out there on their 4-
4 wheelers; there's hunting out there, other kinds of recreational use, and
5 we took that into account when we were asked to go clean that piece first;
6 so whether it's official or not doesn't necessarily matter; if we know that
7 there's use out there --

8 BY MR. MOON:

9 The fact is that people are using that.

10 BY MS. HISCOX:

11 Are using it; that's what counts.

12 BY MR. LIVERMORE:

13 And really, that's what it boils down to as far as this priority process,
14 exposure; again, you know, I think that typically a residential property is
15 going to get a higher priority because you've got exposure if somebody is
16 living there and the potential that they'll encounter something like that,
17 that's going to be far greater than an area maybe that is, you know, an
18 industrial use, or something like that, where maybe folks wouldn't
19 encounter that type of an item. So those are definitely some of the
20 primary criteria we look at when they're scoring these different sites, and
21 then they get compared against each other.

22 BY MR. HAYES:

23 So that Macon property was public use land, or public land?

24 BY MS. HISCOX:

25 In this case, most of it is privately owned; there is a power line right-of-

1 way that goes through there that kind of provides access to some of the
2 other areas, so a little bit of a mix of public and private.

3 BY MR. HAYES:

4 Private property that they let other people use?

5 BY MS. HISCOX:

6 Yes.

7 BY LIEUTENANT DYAS:

8 Ray, you might not be able to answer this, and I'm trying to wrap my head
9 around it for the next years, trying to prepare for what's to come, what I
10 hope to happen, but will they keep it like it is now, as far as they'll come
11 in and search anomalies and then they'll come and do intrusive action,
12 and they'll stay in one area, or will there, because we have a lot of
13 different areas, will there be maybe a couple of different teams doing a
14 couple of different areas at the same time? And I'm thinking about that
15 for responsive purposes and getting my guys kind of prepared for that,
16 because it takes -- you know, if I want to get another bomb tech sent to
17 HDS, it's going to take me a couple of years to get it in there, you know,
18 and all that, so that's why I want to get an idea about if you have an
19 answer to that? You may not, and I understand.

20 BY MR. LIVERMORE:

21 The primary factors I see that will determine the sequence of how the
22 cleanup actions are done, number one will probably be how the sites are
23 ranked; the scoring that Julie was mentioning, the scoring sheets, how
24 they're ranked. Obviously, the higher priority sites will be considered
25 first, and then a funding perspective, too, obviously; getting funding to do

1 them. So if we have enough funding say in a certain fiscal year to do
2 maybe, you know, one or two or three of these sites, then that would
3 obviously be something that we would consider at that time. But what's
4 going to happen is these individual, the munitions response sites, the
5 areas that are going to be identified for some type of cleanup action,
6 they're each going to have their own decision document, or approval
7 document, that's basically going to get them signed off on through the
8 headquarters, and you're basically getting approval to do cleanup for that
9 particular area. So it may only be one particular area that we do at a
10 time; it depends on those different factors that I have mentioned.

11 BY MR. MOON:

12 Are there any more questions concerning Croft State Park or the trails?

13 BY MR. ZIMMERMAN:

14 I just wanted to point out that in that dark green area where the purple is,
15 that was an area where they did a lot of anti-tank training; they had
16 wooden M10 German tanks. They fired 57 millimeter, 75 millimeter pack
17 howitzers, and 60, 81; also a 37 millimeter, which they fired that more
18 than they did anything out there. As Gary was talking about a while ago,
19 up there on Henningston Road, well, if you go down Henningston Road
20 from Southport Road, on the left side, or the east side of Henningston
21 Road, that was a heavy impact area of bazookas and rifle grenades. On
22 the right side, 1943 and 1944, they put 75 millimeter pack howitzers and
23 57 millimeter British anti-tank guns and fired them down in that purple
24 area. I ought to know, I'm writing a book on Camp Croft, by the way.
25 I've done a lot of research on it.

1 BY MR. LIVERMORE:

2 I would imagine you've probably looked at some of our historical
3 documents on this site, so I'm sure that's probably why it's been
4 identified, or why it was identified, in the past investigations as a no use.

5 BY MR. MOON:

6 Lieutenant Dyas is going to give us an update.

7 BY LIEUTENANT DYAS:

8 Well, I don't know if the people are just not gardening like they used to
9 because we actually haven't had any calls around in that area. We've had
10 calls everywhere else, but not down in the areas for that -- for munitions.

11 BY MR. GIBSON:

12 You've been to BMW, haven't you?

13 BY MR. DYAS:

14 Yeah.

15 But I want to point out that, you know, you have those trails down there
16 and if you have concerns, you know, we have -- every week my team gets
17 together, we train, and some of the stuff that we can do, we have tests
18 where we come out and train on searching; you know, that's some of the
19 stuff that we train on doing. I mean, we're actually dealing with the
20 Army Corps, they taught us on how to do that, so if you have some of
21 these trails down on the site, and you say "You know what", or there's
22 people saying there's stuff down here, we go down and walk it and we can
23 do some of that. And of course if that happens, you know, we'll do our
24 GPS and let 'em know what was found and this is how it was at this, you
25 know, surface. We mostly do surface; we don't dig, but you know,

1 certainly the surface stuff, which I know has been found before. We come
2 out there and just kind of find that surface stuff and just kind of get it out
3 of the way and take care of it for you, so just keep that in mind. And like
4 I said, we train every week, and we get out there and kind of do a little bit
5 of training on that aspect. That's all I have.

6 BY MR. HAYES:

7 Can I speak for a minute, John?

8 I asked for the time critical removal action to be put on the agenda and I
9 want to speak briefly. I went and talked to Harold Campbell, who owns
10 the property where the time critical removal action was handled, and he's
11 highly upset. Everybody told him when he was signing his right of entry
12 that his property would be restored to the -- would be left the same way it
13 was when they went in. Well, as soon as they went in, they went in there
14 chopping down mulching and clearing every piece of wood that's on his
15 property, just about it; and this piece of property had already been clear
16 cut, so what they were going in and cutting down and mulching and
17 cutting to the ground was all the new growth that was going up, that was
18 going to enhance all of his deer hunting that he bought the property for.
19 So nobody from -- I mean, he had people from the Corps of Engineers, he
20 had people from DHEC going and meeting with him personally and
21 assuring him, and guaranteeing him that his property would be the same as
22 it was when they went in, and as soon as they went in, it was altered, and
23 they wouldn't do anything to put it back to what it was. And he has
24 offered to bring pictures or come speak to us if he could. He wasn't
25 available tonight; he has his Hunters for the Hungry and Landowners for

1 the Hungry meeting tonight where they give out food and stuff to the
2 hungry people. I just wanted to report to the group that that's what it was
3 about and who it was that they made all these guarantees to. And I hope
4 he'll come and speak to us some time.

5 BY LIEUTENANT DYAS:

6 I can speak on a little bit of that because I had to go down there because
7 we got called down there about every day, and there was a lot of
8 munitions down there. I think that the report was like five tons. So it
9 was not an area that wasn't dangerous; it was a lot -- there was a lot of
10 live munitions that was found in that area, like on -- I believe, if I'm not
11 mistaken, it was like 168 live munitions.

12 BY MR. HAYES:

13 It was in the tons.

14 BY LIEUTENANT DYAS:

15 It was a lot of stuff and, you know, certainly I feel for a man because of
16 his property, but it's also there was a lot of effort trying to clean it up and
17 get it straightened back up, so I know that, and I'm just saying that for --
18 on behalf of Zappata and them that were down there dealing with it; there
19 was, like I said, it was every day that we were going down there for a
20 while. And we're talking about stacks and stacks of the 2.36s, the 60s,
21 the 81s; I mean it was just a lot of stuff. So I know the person --

22 BY MR. HAYES:

23 But the thing is, tell the person when you go in what you're going to do.
24 Don't say it's going to be the same as it is before you go in just to be able
25 to get in; be honest with what you're going to do. And if they don't make

1 the property back the way it is, hold their money and make them make it
2 right before you pay them for their job, because that's what it's all about.
3 It's going to be hard to get landowners to sign more right of entries if
4 needed because of something like this.

5 BY MR. MCMILLAN:

6 That area that you're talking about, is it signed off as clear now, because
7 it strikes me that if it's not signed off and cleared to whatever standard,
8 you know, the FMECA, or whatever, you know, method you use for risk
9 assessment. But if it's not signed off as cleared, it'd be throwing good
10 money after bad to go in and replant trees or whatever the case might be,
11 because you might need to go back in there, you know, and do more work.
12 So I'm not trying to offer an excuse for anybody, but it just sounds to me
13 like that might be a reasonable reason why they haven't addressed his
14 concerns. Outside of that, you know, I'm looking forward to seeing the
15 pictures so I understand, you know, exactly what the issue is. But in
16 hearing everybody talk, you know, that's the only logical explanation that
17 I can think of where you wouldn't want to go back in and fix it exactly
18 with new plantings and such as that, if there's a reasonable, you know, set
19 of odds that you might have to go back in there and rip it up again. So,
20 I'm just throwing that out; that might be, if the man is going to come next
21 time with some pictures, that might be a question that we have ready to
22 answer. And you know, when I had to do this, as part of my work, you
23 know, I called that unloading the shotguns; you know, anticipating what
24 the embarrassing questions that were going to be asked of me and just go
25 ahead and throw them out there ahead of everybody and so -- I rambled

1 on; sorry.

2 BY MS. HISCOX:

3 I would just say, I think we need to do a better job of communicating how
4 this clearance is going to be done, but he's correct that we did find a lot
5 of munitions out there, and I think in the long run, that property is going
6 to be much safer for them to go out hunting. We took a lot of stuff out of
7 there. We have talked with Mr. Campbell; he's been nothing but polite
8 about -- I know he's upset about the trees, but we did come to an
9 agreement on how we were going to handle that, and we've come to an
10 agreement on that. So it's not an outstanding issue at this point.

11 UNKNOWN SPEAKER:

12 What about all the people that do hunt on the land?

13 BY JULIE HISCOX:

14 Again, I think you have to understand that for the contractor to be safe
15 getting those munitions out of the ground, they can't leave all that
16 undergrowth there; they have to be moved out of the way so they can
17 safely dig down to the item and remove it. And yes, I'm sure it effects
18 how people feel about you accessing their land. And in his case, because
19 there was so many, they had to do a lot more clearing; but they did do 100
20 percent clearance on his property. And we can't guarantee there aren't
21 things below the depths of detection, but to the ability of the instruments
22 we're using, that property is clear.

23 BY MR. HAYES:

24 The main thing, it wasn't explained to him what they were going to do
25 when they went in. He was told it would be the same as it is when he

1 signed his contract when they left, and that's outright lying.

2 BY MS. HISCOX:

3 I wasn't there, so I can't attest to that one way or the other.

4 BY MR. HAYES:

5 I've signed contracts myself and I've seen the words and that's what
6 words it says. We had public meetings and that's what they told him in
7 the public meetings, but still a lot of people didn't sign a right of entry
8 because they were afraid of things like this. I'm saying things like this,
9 the way Mr. Campbell was treated, it's going to get a lot less right of
10 entries signed than get more signed.

11 BY MS. HISCOX:

12 Well, the issue with that will be at some point if you don't sign a right of
13 entry and there are munitions on their property, then --

14 BY MR. HAYES:

15 Then you're liable to pay for it yourself.

16 BY MS. HISCOX:

17 -- you start inheriting some of that liability, so it is, you know, kind of a
18 catch 22; you know, we either come in and clean up those munitions at
19 our expense, or you don't give us the right of entry, and so there are some
20 risks either way.

21 BY MR. HAYES:

22 Well, I'm not taking sides, I'm just --

23 BY MS. HISCOX:

24 Understood.

25 BY MR. HAYES:

1 I represent the public; the Board represents the public and it was brought
2 to my attention and I told him I'd bring it up at the meeting and we'd talk
3 about it, so you know, I just wish it hadn't happened. Which they had a
4 bunch of munitions there and we've just got to deal with what we've got
5 and try to treat everybody as nice as we can and be good to everybody, if
6 we can.

7 BY MR. MOON:

8 Any old business from the last meeting? I missed the last meeting, so I
9 don't know if there was or not, but I don't have anything.

10 (No response.)

11 BY MR. MOON:

12 Any new business topics, moving forward to the next meeting?

13 (No response.)

14 BY MR. HAYES:

15 Just be ready to look at -- for the feasibility study to be ready.

16 BY MR. LIVERMORE:

17 The RI report.

18 BY MR. MOON:

19 I make a motion to adjourn.

20 BY MR. GIBSON:

21 Second.

22 BY MR. MOON:

23 The meeting is adjourned.

24 (Meeting concluded at 7:30 p.m.)

25

STATE OF SOUTH CAROLINA)
)
COUNTY OF SPARTANBURG) CERTIFICATE

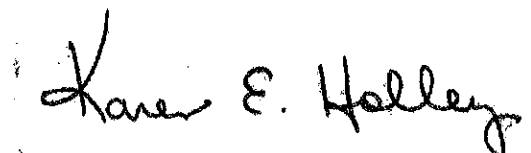
This is to certify that the within RAB meeting was taken on the 5th day of June,
2014;

That the foregoing is an accurate transcript of the meeting given;

That copies of all exhibits, if any, entered herein are attached hereto and made a
part of this record;

That the undersigned court reporter, a Notary Public for the State of South
Carolina, is not an employee or relative of any of the parties, counsel or witness and is in
no manner interested in the outcome of this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal at Spartanburg,
South Carolina, this 23rd day of June, 2014.



Karen E. Holley, CVR-M
Notary Public for South Carolina
My Commission Expires: 05/03/2017