

JEFFERSON PROVING GROUND  
RESTORATION ADVISORY BOARD

COPY

DATE: February 6, 2001

TIME: 7:00 P.M.

PLACE: Madison-Jefferson County Public Library  
420 West Main Street  
Madison, IN 47250

PRESENT: Paul Cloud, Co-chair  
Richard Hill, Co-chair

Board Members  
Audience Members

Sharon Shields, Reporter

---

*Sharon Shields*  
*S.A.S. Reporting Service*  
3650 N. Old SR 62, Madison, IN 47250  
Business: (812) 265-2994  
Fax: (812) 273-5220

1           A public hearing of the Jefferson Proving Ground  
2 Restoration Advisory Board meeting was held at the Madison  
3 Jefferson County Public Library, 420 West Main Street,  
4 Madison, IN at 7:00 P.M. on February 6, 2001.

5  
6           **OPENING STATEMENTS BY MR. PAUL CLOUD:**

7           Okay. Good evening. I would like to  
8 welcome everyone and get started. A couple of  
9 administrative points. We have an attendance sheet in the  
10 back. Would encourage you to sign in, provide your mailing  
11 address so that if we do not have you on the mailing list  
12 we can add you and keep you informed of meetings and  
13 upcoming events regarding the environmental restoration for  
14 the Proving Ground. Also there are copies of the handouts  
15 tonight. Now they are not all of the handouts. The section  
16 of the handouts from the Corps of Engineers are not provided  
17 in hard copy back there. But if you're interested in seeing  
18 them just put a note by where you've signed in on the  
19 attendance sheet and we will mail those to you. Lastly I  
20 would like to welcome everyone. My name is Paul Cloud. I  
21 work for the United States Army and I am the environmental  
22 coordinator for the Proving Ground and the Army's co-chair  
23 for the Restoration Advisory Board. Richard Hill is the  
24 community co-chair and I'll let him provide his introductory

1 remarks before we get started. Richard?

2

3 **MR. RICHARD HILL:**

4 Thank you Paul. I would just also like to  
5 welcome everyone here this evening. We have a few things on  
6 the agenda that we're going to be going through. And we  
7 will have time for discussion, comments, questions.  
8 Normally we do that near the end. And we do have a reporter  
9 here as we do every - at every RAB meeting to take down the  
10 minutes for us so that we get all this in the record. And  
11 just welcome everybody here tonight and thank you for  
12 coming. And that's about it I guess.

13

14 **MR. PAUL CLOUD:**

15 Okay. One thing I would encourage you when  
16 you do have a question or a comment or something that you  
17 would like to put into the record and it will be taken down  
18 verbatim is to make sure that you speak up clearly and if  
19 necessary stand next to one (1) of the microphones that we  
20 have here so that you can be clearly heard and your  
21 statement or question can be accurately recorded. If you go  
22 to the next page you will see that this is our agenda for  
23 the night. Richard and I have already done the welcome and  
24 introduction. We'll talk about the upcoming UXO clearance

1 on the Western parcel of the Proving Ground in the  
2 cantonment area. We'll talk about some Findings of  
3 Suitability to Transfer of some of the parcels at the  
4 Proving Ground. The Corps of Engineers will talk about some  
5 of our interim removal action, some of the actual cleanup  
6 that has occurred on some of the sites at the Proving  
7 Ground. I will then talk a little bit about the schedule  
8 and a point of contact regarding the depleted uranium issue  
9 at the Proving Ground. We will then have an open discussion  
10 and then following that part of the agenda then we will have  
11 Richard and my closing remarks and we will also identify  
12 when and where the next RAB meeting will be. Okay what  
13 we'll talk about now is the unexploded ordnance, Evaluation  
14 and Cost Analysis which is what we call EE/CA for the  
15 Western parcel of the cantonment area. If you look on this  
16 particular slide the area we're talking about is identified  
17 on the left hand side where it says Western parcel. That's  
18 a pie shaped wedge of approximately three hundred (300)  
19 acres. That is the last parcel in the cantonment area that  
20 has the potential for UXO that still needs to be cleared.  
21 All the other areas that are identified as having had  
22 potential for UXO have in fact been cleared. All the other  
23 areas that are identified as having had potential for UXO  
24 have in fact been cleared. Now if you recall when you've

1 come to a number of our RAB meetings back in November of  
2 1999 we did have a public hearing on the EE/CA and our  
3 comment period started. We provided a number of copies of  
4 that to the public and the State and the EPA. We extended  
5 the period for comment because it was toward the end of the  
6 year and it was a holiday period and everybody was going off  
7 on vacations. So we extended it out to the beginning of the  
8 next year. We did receive comments from the State and EPA  
9 and the public on the EE/CA. From the period of time that  
10 we received those comments until October of this year we  
11 have been drafting the responses to those comments and  
12 revising the EE/CA. Between October and December within the  
13 Army internally there became identified a new additional  
14 peer review process that needed to be done by the Army  
15 Technical Center for Explosive Safety. They did in fact  
16 perform that review. They had some comments. Most of them  
17 were administrative in nature. And we received those in  
18 January and revised the document earlier this month. We are  
19 in the process now of duplicating the document and it will  
20 be provided to the public this month, probably within the  
21 next couple of weeks. All the RAB members will get a copy  
22 mailed to them. The regulators will get a copy. We will  
23 have additional copies at the Proving Ground if you so  
24 desire to review a copy. This will be approximately an inch

1 thick and will be in a binder. At the same time that that  
2 is being provided to the public we will be staffing the  
3 Action Memo which is the decision document within the Army  
4 for signature. That will be sometime in all likelihood by  
5 the Commanding General at the Soldier and Biological  
6 Chemical Command in Aberdeen Proving Ground, Maryland.  
7 That's my boss. Once he has signed it then we would expect  
8 to give the go ahead to the Huntsville Corps of Engineers  
9 who is the contractor for this to award the contract and we  
10 would expect the work to start March-April time frame. That  
11 is an estimate right now. Once the work is started it's  
12 anticipated that we would probably finish up sometime mid to  
13 late summer, maybe early in the fall. And then a report  
14 would be generated from that field work and we would also  
15 provide that to the public and it would go into the  
16 administrative record at Hanover College.

17  
18 **MR. RICHARD HILL:**

19 Paul?

20  
21 **MR. PAUL CLOUD:**

22 Richard?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. RICHARD HILL:**

Do we need to wait or can I ask you now what the - back originally it was planned to do clearance around the - some of the perimeter areas to see if there was any UXO there that did not show up and we thought maybe that the whole area would have to be --

**MR. PAUL CLOUD:**

That is still - that is still the process. There have been some changes based on some of the comments we received from the State and EPA and the public as to specifics but generally that is still how we're anticipating because we're not expecting to find much in this area.

**MR. RICHARD HILL:**

Okay.

**MR. PAUL CLOUD:**

Because it was a bumper area and no real ordnance type activities were performed in this area. But yes the answer to your question is that's generally how we're expecting to proceed.

1           **MR. RICHARD HILL:**

2                   Okay thank you.

3  
4           **MR. PAUL CLOUD:**

5                   Okay. I would like to talk about some  
6 Findings of Suitability to Transfer. For those of you that  
7 may not be familiar with this process you may be aware that  
8 the Army has in fact entered into a contractual agreement  
9 with the Ford Lumber and Building Supply for the approximate  
10 thirty-four hundred (3400) acres south of the firing line  
11 for purchase. As parcels or portions of that thirty-four  
12 hundred acres (3400) become available i.e. there is no  
13 prohibition for transfer. We have cleaned it up either for  
14 environmental contamination or unexploded ordnance then we  
15 are generating documents that so state its acceptability for  
16 transfer. Those documents are public documents. They are  
17 provided to the public for a thirty (30) day comment. We  
18 resolve or attempt to resolve and respond to any of the  
19 comments we receive. We issue a revised document and then  
20 it's staffed up through the Army. Once the Army signs that  
21 Finding of Suitability to Transfer the documents are sent to  
22 the Louisville Corps of Engineers' real estate office. They  
23 prepare the actual deed title transfer document for the  
24 actual purchase and transfer of the property. The first

1 area I would like to talk about is the central cantonment  
2 area. That's approximately twelve hundred (1200) acres.  
3 We've talked about it a number of times before. It has  
4 about ninety (90) buildings within this twelve hundred  
5 (1200) acres. We had a comment period back late '98, early  
6 '99. Received comments from the State and EPA and Mr. Ford.  
7 We issued a revised FOST in March of '99. Went through a  
8 process of requesting either concurrence or identification  
9 of outstanding comments from the State and EPA. We did in  
10 fact receive outstanding comments which we responded to and  
11 became part of the FOST in the official record. The FOST  
12 was sent up for review in the Army at the Army Materiel  
13 Command in Alexandria, Virginia and the FOST was signed in  
14 May of 1999. The Louisville Corps of Engineers' real estate  
15 office began preparing the deed title transfer documents.  
16 There was an issue, a question on responsibility for  
17 inspection and risk assessment for lead base paint in the  
18 housing units that are within this parcel. That took about  
19 a year to resolve between the Army and Mr. Ford. The bottom  
20 line is that the Army went and performed the inspection and  
21 the risk assessment. Mr. Ford and his company are  
22 responsible for the actual clean up of those buildings.  
23 They will - he will assume the Army's responsibility for any  
24 of the buildings that are being lived in at the Proving

1 Ground. We performed the inspection and sur - survey late  
2 last year and provided the results to Mr. Ford in November.  
3 Mr. Ford's surveyor provided a legal description also in  
4 that month. The Corps of Engineers completed their drafting  
5 of the deed title transfer documents. They were in fact  
6 provided to Mr. Ford late last month and he is reviewing  
7 them now. They are also at the Corps of Engineers  
8 headquarters office in Washington being staffed which is the  
9 normal process. Right now we anticipate an actual transfer  
10 either later this month or sometime in March. And then Mr.  
11 Ford will be the title holder of approximately twelve  
12 hundred (1200) acres out at the Proving Ground. This area  
13 that says central cantonment area parcel is the twelve  
14 hundred (1200) acres that we're talking about if anyone is  
15 interested to know where that is on the Proving Ground. One  
16 (1) area it does not include is just above the word central  
17 cantonment area where you see that rectangle that's clear.  
18 That is an area that's been cut out because there is an  
19 abandoned landfill there and we negotiated with the State  
20 and EPA to cut that area out. So he will not own that  
21 particular parcel until after we have cleaned it up. And  
22 then there will be a separate FOST for that area. The next  
23 FOST I would like to talk about is the Defense Reutilization  
24 and Marketing Office (DRMO) Area. That's approximately five

1 and a half (5½) acres. There's one (1) building there. We  
2 had a comment period back in May of '99, received comments  
3 from the State and the EPA. We revised the document in  
4 October of 1999. We provided responses and received some  
5 additional comments. At that time we looked at resolving  
6 that particular comment because it had to do with taking  
7 some additional soil samples to confirm the levels of  
8 contamination in the soil and also to remove some additional  
9 soil. That was in fact done. And we then submitted the  
10 data back to the State and the EPA in June of last year.  
11 Also in June we obtained the State and EPA's concurrence to  
12 that FOST and the FOST was staffed up within the Army for  
13 approval. In September of last year the FOST was approved  
14 pending the transfer of the twelve hundred (1200) acres to  
15 the Ford Lumber and Building Supply Company. The five and a  
16 half (5½) acres at the DRMO parcel will then be transferred  
17 to him. We expect that will probably happen sometime in the  
18 May-June time frame but will be a separate deed title  
19 transfer document sequence for that parcel. You see the  
20 very small area right above where it says DRMO area? That  
21 is the location of this five and a half (5½) acres. It's  
22 just above the road there which is part of the main entrance  
23 road coming into the Proving Ground. The next parcel I  
24 would like to talk about briefly is the airfield area.

1 Approximately seven hundred and sixty (760) acres, has  
2 twenty-one (21) buildings in it, was originally proposed for  
3 reuse as commercial-industrial. We had a public comment  
4 period. The commercial-industrial reuse would have required  
5 some deed restrictions be placed upon the property that  
6 would have required monitoring and verification that they  
7 were being complied with. Received some comments from the  
8 State and EPA. There was an opportunity for the Army to  
9 reduce their number of deed restrictions on this particular  
10 parcel and we evaluated that and decided that it was  
11 appropriate to perform some additional soil removal and  
12 actually enhance the property for residential usage. As a  
13 result of that we have in fact removed that additional soil,  
14 provided the information to the State and the EPA. The  
15 State and EPA have in fact reviewed that and provided us  
16 some comments on that. We are in the process of responding  
17 to those comments this month. We expect that once they  
18 agree with that additional work that in March we will put  
19 out the FOST for another thirty (30) day comment by the  
20 public because there's a substantial change in the reuse.  
21 It warrants another thirty (30) day opportunity by the  
22 public to comment on this document. But once that is done  
23 any RAB member will get a copy mailed to them. We will have  
24 additional copies at the Proving Ground so that if you

1 desire to have one (1) all you have to do is call Mr. Knouf  
2 at the Proving Ground and he will be able to provide you  
3 with a copy for review. And this shows again that we expect  
4 that review will occur or start in March. This shows the  
5 outline of that particular parcel. The road on the left  
6 hand side is Tokyo Road and the road on the right except for  
7 the little dog leg that goes around a particular area is  
8 PaperMill Road. The top would be Woodfield and the bottom  
9 would be Engineers Road. Would now like to turn the program  
10 over to Mr. Brooks Evens from the Corps of Engineers who  
11 will talk about some of the interim removal actions that we  
12 have performed here at the Proving Ground.

13  
14 **MR. BROOKS EVENS:**

15 Good evening. I'm Brooks Evens from the  
16 Army Corps of Engineers and I'm responsible for getting the  
17 area cleaned up and getting it turned over to public use as  
18 quickly as possible. To facilitate the airfield property  
19 transfer we had a site there called Site 13 that we went to  
20 do some removal action. Then we had another site that's in  
21 the airfield area to clean up and then we had three (3)  
22 sites that we wanted to go clean up as a point source  
23 removal for some of the ground water contamination we have  
24 in the site. The sites 12A, 12B, 12C are the solvent -

1 solvent pits. Thirteen (13) was a fire training pit located  
2 at the airfield that - where the fire department trained for  
3 fires. And Site 33 was the new incinerator. And Mr. Ford  
4 has shown some interest in getting the new incinerator.  
5 This was a typical excavation. All the solvent pits were  
6 located right up next to the building foundations. As part  
7 of the RI investigation we put soil borings in and converted  
8 some of those soil borings into monitoring wells. The RI  
9 determined that yes there was soil contamination and yes  
10 there was ground water contamination. So to help speed  
11 along the ground water remediation which at this point in  
12 time we do not have a remedy selected, but the Army's  
13 typical approach is to go for natural attenuation which is a  
14 bioremedial type process, solvents break down very well in  
15 their natural environment. There's plenty of bugs out there  
16 that chew up the contaminants. So to do that you want to  
17 remove your point source so you don't have a continuing  
18 stream of contamination rea - recharging the ground water.  
19 So through the soil investigation we were able to determine  
20 how big these pits were and this is what we came up with.  
21 This is how - as far as the safety reason we don't send  
22 anybody down into the pits. It's just not allowed by the  
23 Army's safety manual and so what we typically do is pull the  
24 bucket, reach down and get our sample from the bottom, break

1 open the soil that comes out and grab our sample, our  
2 confirmation sample. And to try to protect, this is Site  
3 12B, to try to protect and keep as much rain water out of  
4 the pit because we don't want to have to deal with rain  
5 water and sample and everything, this is the type of cover  
6 we put over there to prevent as much surface water to get  
7 into the site as possible. I think you'll see in the next  
8 one (1) we didn't do too well. We had - this is an asphalt.  
9 It works better when there's a lot of soil but this was  
10 asphalt and you can see the down spout right next to the  
11 pit. Well at some point in time the corrugated pipe we put  
12 on there to get it away from the pit got blown off in one  
13 (1) of the heavy rainfalls and we received all the roof  
14 water. But we vacuumed it out with a vac truck and analyzed  
15 it and sent it off site for disposal. And after we had  
16 taken some confirmation samples we found that we still had  
17 contamination right underneath the building foundation.  
18 Well the Army is not going to tear down any buildings  
19 because as the transfer was if we tear it down we have to  
20 build it back for Mr. Ford. So conversing with the  
21 regulators who were out during the site it was determined  
22 that we would excavate down to the top of the ground water  
23 which is about thirteen (13) or fourteen (14) feet one (1)  
24 bucket out. And then we put in a less compactable material,

1 more granular material and put it in these riser pipes about  
2 three (3) feet above the ground. And what these riser pipes  
3 are supposed to facilitate is bioremediation. We filled  
4 them full of 10-10-10 fertilizer and throughout the period  
5 ground water will rise during our wetter months and it will  
6 get up there and activate the fertilizer and fertilizer will  
7 generate and make all the bugs happy and they will just go  
8 to town to start chewing up the solvents. So with IDEM and  
9 EPA's concurrence this was thought to be the best solution  
10 to achieve clean up here and remove as much of the point  
11 source as we could. So we went through that. And you can  
12 see them compacting around. These other two (2) wells,  
13 they're monitoring wells that we're going to keep. So at  
14 some point in time if we need to put a more active system to  
15 remediate this site we're just not getting bioremediation to  
16 it. We'll be able to add constituents to these and use one  
17 (1) maybe as a pump to pull out - out water and put it into  
18 a treatment system. One (1) of the constituents we could  
19 put in there is molasses. Molasses is a good generator to  
20 start cleaning it up. So here are some of the removal  
21 actions after completion. Back fill completed. You can see  
22 the stick ups there. And we had to asphalt this one (1).  
23 There's the one (1) that had the good cover over the  
24 excavation all graded out. This is one (1) site that is

1 north of the firing line and it's not the Army's policy to  
2 go up and clean north of the firing line. But this site has  
3 a small ground water contamination plume and the flow is  
4 towards the southern part of the property which would be Mr.  
5 Ford and since this is going to stay in federal hands we  
6 don't want to be contaminating somebody else's ground water  
7 off our site. So we've cleaned up that site. This is the  
8 fire training pit. It ended up being about twenty-five (25)  
9 feet long, ten (10) feet wide and about five (5) feet deep.  
10 And this is the new incinerator area. It was a very shallow  
11 excavation. Had very low contaminant levels and if you  
12 consider it also more of a cosmetic issue also. And that  
13 was it. Any questions?

14  
15 **MR. CHARLES FACEMIRE:**

16 I have one (1). What were the major  
17 contaminants of - found in the ground water?

18  
19 **MR. BROOKS EVENS:**

20 Ah solvents, TCE.

21  
22 **MR. CHARLES FACEMIRE:**

23 Okay.  
24

1           **MR. BROOKS EVENS:**

2                           That was the main one (1). What they did at  
3 those three (3) sites they cleaned gauges to wash them out  
4 for their fire and testing. It wasn't a large, large amount  
5 of solvents that went in. The pits themselves were like  
6 three (3) by three (3) and had number three (3) stone in  
7 them and little half inch ( $\frac{1}{2}$ ) tube coming out where they had  
8 had a wash sink where they had washed the gauges and  
9 everything and it would drop out and drop into that - that  
10 pit.

11  
12           **MR. ROBERT GRAY:**

13                           Did you have any indication at all of PCP  
14 contamination?

15  
16           **MR. BROOKS EVENS:**

17                           No. We did not find any PCPs in there.

18  
19           **MR. ROBERT GRAY:**

20                           Not a thing?

21  
22           **MR. BROOKS EVENS:**

23                           No. No they didn't turn up.

24

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MS. DIANE HENSHEL:**

This is 12A, 12B and 12C?

**MR. BROOKS EVENS:**

Right.

**MS. DIANE HENSHEL:**

What kind of monitoring, verification monitoring are you doing around the pits after you do the clean up efforts to make sure that you are getting the remediation that you think you're getting?

**MR. BROOKS EVENS:**

Well it just got depleted and I'm sure we'll go back and put a PID on the vent to see if we get any venting out of it. But the foundation's a very thick foundation and goes down about three (3) feet and the floor slabs are solid twelve (12) inches. And I know what - where you're going. You're going about vapors getting up into the building. And I know where you're going. I hear your concerns. These parts - I doubt there will be residential pipe put in and a deed restriction on these if these won't be used for residential.

1                   MR. PAUL CLOUD:

2                   Thank you Brooks. Again if anyone would  
3 like a copy of the Corps of Engineer slides just make an  
4 annotation on the attendance sheets in the back and we will  
5 send them to you. We don't have them available for tonight.  
6 What I would like to do now is I have a couple of slides  
7 that will talk about the schedule and the point of contact  
8 regarding the depleted uranium license termination issue at  
9 the Proving Ground. What we have here on the first slide is  
10 a copy of what our current schedule is and you have that in  
11 your handouts there. Where we are right now is where we are  
12 expecting to provide a draft of the revised license  
13 termination and institutional control plan to Save The  
14 Valley by February 16th. That will be a restricted access  
15 to Save The Valley as the requestor for the hearing. Save  
16 The Valley will then have approximately thirty (30) days to  
17 review the document and to identify any comments to the  
18 Army. We will then have approximately thirty (30) days to  
19 resolve those comments between the Army and Save The Valley  
20 and prepare a final document between the middle of May and  
21 the first of June. When the first of June arrives if that  
22 is still the date by which the Army provides the revised  
23 document to the Nuclear Regulatory Commission it will be  
24 available to the general public for review and comment

1 should they so desire. For those of you that have received  
2 a copy of our cover letter and the DU summary sheet, you  
3 will have already seen this information. Not all of you may  
4 be on that mailing list so I do encourage you to sign in.  
5 But this is the point of contact information for anyone who  
6 does not wish to speak tonight regarding the depleted  
7 uranium issue. There are multiple ways you can get ahold of  
8 Ms. Kuykendall. You can telephone her. We have a toll free  
9 number. Make sure that you ask for extension 5-7118. If  
10 you just ask for 7118 you will probably be connected to the  
11 Aberdeen part of the Proving Ground via the Edgewood area.  
12 And you won't be talking to Joyce. We also have a fax  
13 number. We have an E-mail address and we have a regular  
14 slow mail address. So we have multiple mechanisms by which  
15 you can avail yourself of public input on this particular  
16 issue. What I would like to do now is open up the floor for  
17 comments or questions that we will record in the record with  
18 our Court Reporter that will be submitted to the Nuclear  
19 Regulatory Commission. Since we are not at the point yet  
20 where the Army is going to provide the revised document to  
21 the NRC, we will not be responding to your questions or  
22 comments tonight. But we will take them down verbatim and  
23 they will be part of the revised plan as part of the public  
24 participation requirements in this Nuclear Regulatory Code

1 of Federal Regulations requirement. This is not the only  
2 time you will have an opportunity to provide comments. We  
3 expect we'll have multiple opportunities, not only at this  
4 RAB meeting but at other RAB meetings. The next RAB meeting  
5 here in Madison will be in August. After the plan is  
6 provided to the NRC we would expect that the NRC will hold  
7 some types of meetings but the specifics on that will be up  
8 to them. But there will be multiple opportunities for the  
9 public to provide additional comments on this issue. So if  
10 you have any comments, questions or issues that you would  
11 like to identify for this, I would encourage you to make  
12 sure that you're near a microphone, speak loud enough and if  
13 you wish to identify yourself please do so. The floor is  
14 now open. One (1) at a time please.

15  
16 **MR. RICHARD HILL:**

17 One (1) thing I would like to point out I  
18 believe that there is a copy of the summary on the back  
19 table. If you didn't pick that up and want to take that  
20 home and study it a little more, it's back there. And along  
21 - it's with these addresses and phone numbers that you can  
22 contact Ms. Kuykendall to make comments also. So feel free  
23 to make any comments that you want to tonight and then you  
24 can also you know take that home with you and look it over

1 too. Somebody else can go now if they want to. I can come  
2 back later.

3

4 **MR. PAUL CLOUD:**

5 I will say one (1) other thing before we get  
6 started on this because I expect this to take up the  
7 majority of the rest of the meeting. The only limitation  
8 that we're going to have to place on it is that we have to  
9 be out of this room by nine o'clock (9:00). Other than that  
10 from twenty-five (25) minutes to eight (8) until nine (9)  
11 the floor is now open.

12

13 **MS. KAREN MASON-SMITH:**

14 Okay. I think I'll take a whack at this.  
15 My name is Karen Mason-Smith. Can you hear me?

16

17 **MR. PAUL CLOUD:**

18 Karen she can hear you. It's not on any  
19 speakers. The Court Reporter needs to hear it.

20

21 **MS. KAREN MASON-SMITH:**

22 Okay.

23

24

1                   **MR. PAUL CLOUD:**

2                   You just need to speak loud enough for  
3 anyone else.

4  
5                   **MS. KAREN MASON-SMITH:**

6                   Okay my name is Karen Mason-Smith. I'm with  
7 USEPA and we have a copy of the survey for the - the sheet  
8 that Paul is referring to and we're going to send comments  
9 later but I have a few questions and comments that I would  
10 like to ask tonight. One (1) of our questions or comments  
11 deals with health risks. And although a lot of research has  
12 been done on depleted uranium and precludes that DU presents  
13 only a small to no health risk EPA believes that more  
14 research should be done on the potential health risk of DU.  
15 And according to the JPG DU summary sheet the two thousand  
16 (2000) acre DU impact area is suspected to contain  
17 approximately seventy thousand (70,000) kilograms of  
18 depleted uranium which is a potential occupational  
19 carcinogen according to the National Institute of  
20 Occupational Safety and Health and the acronym for that  
21 agency is NIOSH Pocket Guide to Chemical Hazards. DU is  
22 slightly radioactive, which everyone is aware of that, and  
23 with gamma and alpha emitters it's also porphyric and it's  
24 also a toxic heavy metal. Because of the recent debate of

1 the potential impact of depleted uranium on NATO troops in  
2 the Balkans there's been enough cancers and deaths to  
3 warrant further inquiry and study rather than dismissing it.  
4 That's one (1) of our concerns. Another concern we have is  
5 the termination plan currently is proposing abandoning the  
6 monitoring, ground water monitoring wells, and we have a  
7 question about that. And we're wondering if another  
8 mechanism is going to be put in place to monitor whether or  
9 not the DU is exiting off of the base? So that's a concern  
10 of ours. And also we have some concerns that the Air  
11 National Guard, the bombing range that the practices that  
12 they currently are doing, if that is going to be done in the  
13 DU impact area? And if so, that has a potential of the DU  
14 moving in the surface water and again a concern is for  
15 potential for that to exit off the base and removing those  
16 monitoring wells would take away the - the potential or at  
17 least the - you will not be able to tell if it's exiting off  
18 the base. So those are some of our major comments. We have  
19 several other comments. I don't want to take all your time  
20 up tonight but I just want to at least let you know the  
21 major comments that we have. Some of the other comments  
22 deal with The Big Oaks National Park that is currently out  
23 there and how the DU impact area is going to be closed off  
24 from the individuals that are on the tour. I know that U.S.

1 Fish and Wildlife will probably be guiding the tours and  
2 also are supposed to provide safety and educational  
3 information to the tourists but still we just have some  
4 questions about how the DU impact area is going to be  
5 delineated you know? Will it be fenced off? Or I know they  
6 have signs out there but is that enough? Just in case a  
7 person gets off the beaten path or accidentally gets into  
8 that area how would they know the DU area from the - the  
9 designated tour - tour pathways? And those are pretty much  
10 basically the major - major concerns that we have. Thank  
11 you. I hope you have heard me. Thank you.

12  
13 **MR. PAUL CLOUD:**

14 Julie?

15  
16 **MR. ROBERT GRAY:**

17 There's been recent controversy about the  
18 possibility that some of the DU that has been contaminated  
19 possibly with plutonium. This came up in some controversy  
20 on the international level I think. And I was wondering if  
21 we could get an assurance that DU is DU and not something  
22 else?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. PAUL CLOUD:**

Julie?

**MS. JULIE BERRY:**

Can you hear me okay? My name is Julie Berry. I'm a Jefferson County Commissioner. I came tonight to listen and I appreciate the information that the Army is providing us. On this possible action I would like to urge you to carefully reconsider this action. I think it's a very bad idea. I think that the residents in Jefferson, Jennings and Ripley County deserve to have the peace of mind for continued monitoring of the depleted uranium. And certainly with some of the unknowns about it it presents potential hazards for our people. I would like for you to think about this from the people's standpoint, the air, the water and I'm going to continue to seek information about it. But it just seems like there's an awful lot of disagreement. And I know about depleted uranium. And I would ask that the Army not use this area as a testing ground again for what might be. And I just wanted to stand up tonight to let you know that the Jefferson County Commissioners are interested in this topic and would like you to treat it with all the courtesy that it deserves. Thank you.

1           **MS. KAREN MASON-SMITH:**

2                           I have a question. Paul do you know if  
3 plutonium is supposed to be mixed in the DU here?  
4

5           **MR. PAUL CLOUD:**

6                           I can't answer that question.  
7

8           **MS. CARYL SCHWALLER:**

9                           My name is Caryl Schwaller. I'm here on the  
10 request of the Mayor to read a letter into the record that  
11 he has written. And that's what I'll do. It was written to  
12 Ken Knouf, JPG Site Manager. It says this letter is to  
13 advise you that as Mayor of the City of Madison, the largest  
14 city in close proximity to JPG, I am opposed to the  
15 termination of NRC license number 1435 for the storage in  
16 place of depleted uranium at JPG. I am opposed to the  
17 termination of environmental monitoring as proposed in the  
18 decommissioning plan and the imposition of institutional  
19 controls for monitoring following termination of the  
20 license. It is my understanding that the depleted uranium  
21 projectiles located in the DU impact area will break down  
22 metallurgically in future years and that contaminated  
23 elements of the DU could reach our streams which pass  
24 through Madison from the JPG area and also get in the

1 underground water table that serves our many wells in  
2 Jefferson County. Once the NRC has terminated the license I  
3 am concerned that they will no longer monitor this  
4 potentially hazardous and deadly situation. As you in the  
5 Army know from my previous conversations and correspondence,  
6 I am not satisfied with the arrangements for either the UXO  
7 or DU areas north of the JPG firing line and feel the Army  
8 has acted totally without regard to the people who now live  
9 in this area, their children and the generations yet to  
10 come. Please forward this letter to the appropriate Army  
11 authorities as my official protest to this latest action by  
12 the Army. Sincerely, Albert G. Huntington, Mayor.

13  
14 **MR. PAUL CLOUD:**

15 Thank you. And for the record we did  
16 receive that letter and it has already been provided to our  
17 radiation safety officer but I appreciate you reading it  
18 into the record tonight. Anyone else? Richard?

19  
20 **MR. RICHARD HILL:**

21 I - I have a question to the Fish and  
22 Wildlife Service. I'm not - I'm not going to put you on the  
23 spot okay? This is just something that's related to this.  
24 I heard just recently on - on the radio that - that you have

1 a draft burn plan is that what it's called?

2  
3 **MR. STEVE MILLER:**

4 Yes. It's available at the college.

5  
6 **MR. RICHARD HILL:**

7 Yeah. And I haven't had a chance to look at  
8 it yet. Haven't got there.

9  
10 **MR. STEVE MILLER:**

11 Okay.

12  
13 **MR. RICHARD HILL:**

14 Included in this burn plan is the DU area to  
15 be restricted from any burning activities.

16  
17 **MR. STEVE MILLER:**

18 That is incorrect.

19  
20 **MR. RICHARD HILL:**

21 This is not restricted area?

22  
23 **MR. STEVE MILLER:**

24 We have no way of controlling if a fire gets

1 in there. This plan is for - not only for prescribed burns  
2 but for wild fires.

3

4 **MR. RICHARD HILL:**

5 Yeah well so - okay.

6

7 **MR. STEVE MILLER:**

8 We have no way of controlling if a wild fire  
9 gets in there. And we asked - we also commented to the Army  
10 on their draft plan for closure or termination of the  
11 license to evaluate what effect fire would have on DU. So  
12 we have asked them to do that. We expect them to do that,  
13 either them or the NRC when they do evaluate.

14

15 **MR. RICHARD HILL:**

16 The prescribed burn, is that planned for  
17 that area?

18

19 **MR. STEVE MILLER:**

20 There are prescribed burns planned for that  
21 area as well.

22

23 **MR. RICHARD HILL:**

24 Okay.

1                   **MR. STEVE MILLER:**

2                   And that plan is available if anybody wants  
3 it. Just talk to me afterwards. It's on the website as  
4 well.

5  
6                   **MR. PAUL CLOUD:**

7                   Diane?

8  
9                   **MS. DIANE HENSHEL:**

10                  Ah this is Diane Henshel. Paul I - I guess  
11 I just have to ask one (1) more time. Is there no way that  
12 you can have license termination with special provisions for  
13 continuing appropriate monitoring? I guess I just don't  
14 understand why the Army is choosing to even propose this at  
15 this point. So could you address that please?

16  
17                  **MR. PAUL CLOUD:**

18                  Not this evening. We're not prepared at  
19 this time as I stated before. When the plan, revised plan,  
20 comes out and it's available for the general public, there  
21 will be an explanation on that issue as to why the Army is  
22 pursuing that route. Since the plan has not been provided  
23 even to Save The Valley as the hearing applicant, it's  
24 inappropriate for us to respond to that now because they're

1 even the ones that have asked for the hearing. And since  
2 we're not at that stage it would be inappropriate to  
3 respond. But your comment and your question will be taken  
4 down and it will be addressed.

5  
6 **MS. DIANE HENSHEL:**

7 So you will address possibilities for  
8 alternative ways of addressing these problems?

9  
10 **MR. PAUL CLOUD:**

11 We will look at it and we will respond to  
12 all questions and comments. Anyone else? Sir?

13  
14 **MR. MIKE SWANGO:**

15 Mike Swango, Ripley County, property owner  
16 next to JPG. I would also like to see the Army continue to  
17 monitor. I think that that is very important and throughout  
18 the couple of years that this has been in the process I  
19 think the EPA says no one has ever wanted to do away with  
20 their license once they've had it. This is maybe the first  
21 time. It should be monitored for the health and safety of  
22 the citizens in this area. And our European nations have,  
23 because of Desert Storm and what has happened in the  
24 Balkans, has questioned the United States military on

1 depleted uranium and what it has caused. And some of those  
2 have been running studies themselves. They - according to  
3 what you read they have a different outlook of what maybe  
4 our government or maybe our Army has, our military has, some  
5 of the causes that can happen and some of the side effects.  
6 So it is important to monitor and try to keep tabs on it.  
7

8 **MR. PAUL CLOUD:**

9 Thank you. Yes ma'am?  
10

11 **MS. MARY CLASHMAN:**

12 I'm Mary Clashman and I live in Madison and  
13 I own property that borders on Big Creek. And it has not  
14 been quite twenty (20) years since I stood in this room at a  
15 hearing held at the request of Save The Valley asking that  
16 the Army not be allowed to use the - the depleted uranium  
17 munitions at the Jefferson Proving Ground. We of course  
18 lost that battle. But we were assured, correct me if I'm  
19 wrong because there are many people here tonight who were  
20 here that night twenty (20) years ago, so you may correct me  
21 if I'm wrong but we were assured at that time that as long  
22 as there was any depleted uranium and accompanying heavy  
23 metal on that Proving Ground there would be monitoring  
24 always, always, as long as it was there. That's what we

1 were assured twenty (20) years ago. And so they started  
2 with - with testing munitions on the Proving Ground. That  
3 is what we were promised and a promise should be kept. I  
4 don't care whether they have a license or not but there - I  
5 do care greatly whether they have constant monitoring as  
6 long as there is any depleted uranium and the heavy metals  
7 that go with it in Jefferson County. Thank you.

8  
9 **MR. PAUL CLOUD:**

10 Someone else? Tim?

11  
12 **MR. TIM MALONEY:**

13 Paul I came in a little bit late. I  
14 wondered if you --

15  
16 **MR. PAUL CLOUD:**

17 Can you speak up Tim by one (1) of the  
18 microphones please?

19  
20 **MR. TIM MALONEY:**

21 I came in a little bit late. Have you  
22 reviewed where things stand with any type of environmental  
23 review that goes along with the decommissioning plan? And  
24 my second question is completely apart from the

1 decommissioning plan and the things that go along with the  
2 DU issue, is there anything that would prevent the Army from  
3 doing environmental monitoring at the site separately and  
4 looking at any potential problems from DU or anything else  
5 that's there at the site?

6  
7 **MR. PAUL CLOUD:**

8           Regarding the first half of your question I  
9 can respond to that as far as environmental studies. That  
10 is a Nuclear Regulatory requirement under NEPA and there  
11 will be hearings that they will conduct and will be  
12 opportunities again for the public to comment on that. But  
13 they will conduct that. That is not an Army responsibility.  
14 That is a NRC responsibility. I would expect that after we  
15 have provided the revised plan to the NRC, which is  
16 currently scheduled in June of this year, at some time after  
17 that they will schedule those hearings for the public and  
18 allow a comment period. That's all under NEPA and it was my  
19 understanding that they will be performing an environmental  
20 impact statement on this issue. So there will be an  
21 opportunity. But that will be under the NRC. And if you  
22 want any more specific information I do have points of  
23 contact where you can call. Richard also has them as he's  
24 talked with them. And you can call them directly. Sir?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. MIKE SWANGO:**

Why is this information not on the web page so that we can review it from home? Being from Ripley County coming to - coming down here or coming to Hanover College, taking time off of work to view these why aren't they on the web page?

**MR. PAUL CLOUD:**

We will be putting the plan up on the website when it is available in June. We have just awarded a contract mod for the website and we will be doing an extensive revision and update specifically for the DU section of the web portion in the - on the Internet. But that will take probably several weeks to a month to do. But we do expect to have the revised plan up on the web when it is provided to the NRC in June or whenever it is provided. So we will provide that as an added ability for the public to look at the documents. They won't have to come down to the Proving Ground if they don't want to.

**MR. MIKE SWANGO:**

Why haven't they been on there earlier, the other documents and so forth?

1           **MR. PAUL CLOUD:**

2                   The other documents are not available right  
3 now because there is a revised format. And we put together  
4 the summary sheet as a mechanism by which we could bring  
5 people up to speed on basically what we were planning on  
6 doing and to use this form as the start of and the  
7 continuation of the public participation and involvement in  
8 this issue. So we are continuing to do that and we hope  
9 that the public will take advantage of those opportunities.

10  
11           **MR. MIKE SWANGO:**

12                   If it was on a web page then the communities  
13 would have a better opportunity to voice an opinion.

14  
15           **MR. PAUL CLOUD:**

16                   That is our plan.

17  
18           **MR. MIKE SWANGO:**

19                   Thank you.

20  
21           **MR. PAUL CLOUD:**

22                   Thank you. Someone else? Tim?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. TIM MALONEY:**

Paul I had a second question there. Just wanted to remind you about that, about monitoring.

**MR. PAUL CLOUD:**

I understand that. We are not prepared to respond to that at this time. It's part of the revised plan. It follows the same question that Diane had. Anyone else?

**MR. ROBERT GRAY:**

The Army gives basically a couple of reasons why you - why you don't go ahead with remediation. One (1) of them is personal safety. We can understand. But what - what about excessive cost? What do costs mean? Define the costs. Why do you not want to go ahead with the remediation on a cost basis?

**MR. PAUL CLOUD:**

Were you able to hear that Sharon?

**REPORTER:**

Yes.

1           MR. PAUL CLOUD:

2                     Anyone else? Diane? Please speak up.

3  
4           MS. DIANE HENSHEL:

5                     It comes from the question that was just  
6           asked. And could you when you're providing information also  
7           provide information about where the Army's research on  
8           digging out live munitions comes from, the mine - the mine  
9           search, research that I know the Army is doing related to  
10          trying to get out the land mines that are around the world?  
11          Because it's relevant here. Because if that gets perfected  
12          it becomes something that can be applied here. Because  
13          that's obviously part of the problem. But can you provide  
14          updates on that too? I know it's not directly what you're  
15          talking about here but it sure is relevant.

16  
17          MR. PAUL CLOUD:

18                     It's partially relevant but be aware that  
19          mines while they were tested at the Proving Ground are not  
20          the only types of ordnance.

21  
22          MS. DIANE HENSHEL:

23                     I understand.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. PAUL CLOUD:**

And I don't believe that mines were tested in this particular area.

**MS. DIANE HENSHEL:**

Well - but I think it's all ordnance that's being evaluated right now for how to search and find right?

**MR. PAUL CLOUD:**

There is a continuing effort by the Department of Defense and Jefferson Proving Ground is one (1) of the sites where they are continuing that technology demonstration project to try and improve the ability to identify actual ordnance that has explosives in it that would need to be addressed and taken care of. That is a long term project. We have no idea on how long that will take. But as that continues to go on those reports will be published and be made available for the general public.

**MS. DIANE HENSHEL:**

And can you give us updates? I just think it's awfully relevant.

1                   **MR. PAUL CLOUD:**

2                   Those documents are available. If you're  
3 interested I can provide you copies of them. But they're  
4 fairly voluminous, you know multi binders you know three (3)  
5 inch thick but we will be glad to provide those to you if  
6 you're interested. They're also on the web.

7  
8                   **MS. DIANE HENSHEL:**

9                   Related to all of that because the other  
10 issue is whether or not any wildlife that gets into the area  
11 sets off any munitions, whether or not you can do some sort  
12 of monitoring for the potential for explosion on site like  
13 putting in a sisometer or something that would keep track of  
14 it. Just - could you address that issue? I realize that  
15 you're going to laugh at me on this but it - it seems to me  
16 that it's relevant in terms of the question of monitoring  
17 especially air monitoring at that point.

18  
19                   **MR. PAUL CLOUD:**

20                   Again in relationship to the depleted  
21 uranium issue we're not in a position to respond to issues  
22 tonight because of the revised plan and its nature.  
23 Anything relevant to that will be addressed either  
24 subsequent to when the plan is provided to the NRC or at

1 meetings subsequent to that after we have provided the plan.  
2 It's premature to respond to that now since we haven't even  
3 availed Save The Valley of the opportunity to look at the  
4 revised document. And it is an extensive revision. Brooks?

5

6 **MR. BROOKS EVENS:**

7 I will clarify that what - where we're doing  
8 the test flights are open field areas. The DU is heavily  
9 wooded. So any technology that probably gets developed on  
10 those open field areas would probably not be able to be  
11 applied to the heavily forested areas for a long time. If  
12 that's one (1) of the questions you were thinking about  
13 technology involved?

14

15 **MS. DIANE HENSHEL:**

16 Right.

17

18 **MR. BROOKS EVENS:**

19 It's involving open fields by going into  
20 wooded areas.

21

22 **MR. PAUL CLOUD:**

23 Richard?

24

1           **MR. RICHARD HILL:**

2                           I don't think we're saying it's going to be  
3 easy. No. Just maybe possible.  
4

5           **MR. PAUL CLOUD:**

6                           Anyone else? Yes ma'am?  
7

8           **MS. VICKI JENKINS:**

9                           I'm Vicki Jenkins. I'm a resident of  
10 Jefferson County and I live on Big Creek also several miles  
11 outside the Proving Ground. And I wanted to begin by  
12 reiterating all the very thoughtful comments people have  
13 made in terms of specially health and civic concerns. And I  
14 think the Army, in terms of like Ms. Clashman was saying  
15 about having made direct promises to the community but even  
16 apart from that just a sense of moral decency to the  
17 community, ought to maintain some kind of monitoring. But  
18 that's really my primary focus being a resident. But quite  
19 apart from all that actually given some of these recent  
20 developments and concerns given the use of DU in Kosovo and  
21 stuff, it seems to me actually there's a whole new angle  
22 here for the Army to think about and it seems to me there's  
23 a real pos - potential and positive possibility for the Army  
24 by - because the DU has been used in Kosovo and other areas

1 but in very diffuse ways and it's kind of all over the place  
2 and obviously there are on going concerns there, not only  
3 about health but ground water migration. At the Proving  
4 Ground the DU was used in a very defined space so that  
5 presents an opportunity to more fully study the long term  
6 impacts of DU both environmentally and health wise and  
7 monitoring can be important to that and might be able to  
8 expand on that because it's going to be an international  
9 concern here. Little did I think that my concern on Big  
10 Creek was going to get international attention but for good  
11 or ill I think it's not something that's going to go away.  
12 And this might present the unique opportunity to be able to  
13 study problems that are going to be encountered world wide  
14 but in even more complicated ways than like I said the more  
15 controlled defined area that they have here at JPG.

16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. PAUL CLOUD:**

Thank you. Anyone else? I would like to reiterate that if you don't feel comfortable with getting up in front of a group and providing oral comments we have a number of ways that you can provide the comments either over the telephone, by E-mail, regular mail, fax. I would encourage you to take advantage of that opportunity. This will not be the only opportunity as I've said before. This

1 will be an issue that goes on for some time. If there are  
2 no further questions on this particular subject I would like  
3 to move on. But if there is I'm more than happy to allow  
4 the opportunity. We have about forty-five (45) minutes.  
5 Yes sir?

6  
7 **MR. LUKE CLIPPINGER:**

8 My name is Luke Clippinger and I am District  
9 Director for Congressman Barron Hill. Before you more on I  
10 just want to briefly just indicate the Congressman's  
11 interest in this issue and would ask that as you come up  
12 with responses to the excellent questions that have been  
13 asked here this evening that you provide us with a copy of  
14 the answers to those questions as proactively as possible.  
15 Thank you.

16  
17 **MR. PAUL CLOUD:**

18 Anyone else? Do we have any questions or  
19 comments on any of the other material that was discussed  
20 tonight about the UXO, about the Findings of Suitability to  
21 Transfer, about the interim removal actions at the solvent  
22 pits or the airfield areas? Yes sir?

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. ELBERT HINDS:**

You covered twelve hundred (1200) acres, five hundred (500) acres, seven hundred and fifty (750) acres and a three hundred (300) parcel on the corner out of thirty-four (3400). What's the status of the remainder?

**MR. PAUL CLOUD:**

Well one (1) thing you need to understand is that the three hundred (300) acres that we're addressing unexploded ordnance is not currently in Mr. Ford's contractual agreement to transfer.

**MR. ELBERT HINDS:**

It's not part of the thirty-four hundred (3400) acres?

**MR. PAUL CLOUD:**

That's not part of the thirty-four hundred (3400). There's approximately forty-two hundred (4200) acres south of the firing line. Jefferson County currently owns a little over two hundred (200) acres as a park as you come in the main drive. This other three hundred (300) acres is the other major parcel that is not part of Mr. Ford's current agreement. The rest of the property with the

1 exception of building 216 and the railroad trackage was  
2 under his agreement. If you recall we did transfer  
3 approximately thirty-six (36) acres to Mr. Ford a number of  
4 years ago. He in turn turned around and sold that to the  
5 Indiana Department of Transportation.

6  
7 **MR. ELBERT HINDS:**

8 But there's still additional land?  
9

10 **MR. PAUL CLOUD:**

11 There's still additional acreage on the  
12 property. If you'll bear with me for a minute I will scroll  
13 back to one (1) of the diagrams that show the entire  
14 cantonment area. Okay. This shows the entire cantonment  
15 area. You also have a copy of this in your handout. The  
16 airfield area we talked about DRMO, the PaperMill Road and  
17 Woodfield Road area is an area that has already been  
18 transferred to Mr. Ford. That is the area that was sold to  
19 INDOT. Okay. The central cantonment area is the twelve  
20 hundred (1200) acres that we have talked about tonight.  
21 Basically the areas that will remain are the three hundred  
22 (300) acres on the west side that are not part of his  
23 agreement currently. Approximately one hundred (100) acres  
24 north of Woodfield Road that will be transferred at a later

1 date. One (1) of the reasons why that's where the solvent  
2 pits are and they will take additional time for us to get  
3 concurrence from the regulators as to the ability to  
4 transfer that property. The area here on the right lower  
5 hand section, that area was just recently cleared of  
6 unexploded ordnance. But we have some environment  
7 contamination in those areas. So we will not be  
8 transferring that for a while. The area in the upper right  
9 hand corner --

10  
11 **MR. ELBERT HINDS:**

12 And the acreage on that sir?

13  
14 **MR. PAUL CLOUD:**

15 That's about eight hundred (800) acres.  
16 Okay. The area in the upper right hand corner I am  
17 currently in the process of drafting the initial Finding of  
18 Suitability to Transfer and it's basically going to be  
19 identified as the northeast parcel. That's about four  
20 hundred and fifty (450) acres. That particular FOST would  
21 probably not come out until later this summer or early fall  
22 for that parcel.  
23  
24

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. ELBERT HINDS:**

Thank you.

**MR. PAUL CLOUD:**

Does that answer your question?

**MR. ELBERT HINDS:**

Yes.

**MR. PAUL CLOUD:**

Diane?

**MS. DIANE HENSHEL:**

Just to verify the central cantonment area parcel have you had a restriction on whether or not families can live there?

**MR. PAUL CLOUD:**

No. There are no restrictions. That is a residential transfer. The only restriction on that is there was a - PaperMill or Engineers Road, do you see that little rectangle in the central cantonment area that's cut out? Well that is a smaller part of a larger rectangle that goes between Shun Pike and PaperMill Road and it's bisected more

1 or less by PaperMill Road that we did our first UXO  
2 clearance on, the hundred (100) acres. There is a four (4)  
3 foot excavation restriction on that particular sub-section  
4 of the twelve hundred (1200) acres. Yes ma'am?

5  
6 **MS. PEGGY VLEREBOME:**

7 In the lower right hand corner the eight  
8 hundred (800) acres?

9  
10 **MR. PAUL CLOUD:**

11 Yes ma'am?

12  
13 **MS. PEGGY VLEREBOME:**

14 What's the nature of the environmental  
15 contamination?

16  
17 **MR. PAUL CLOUD:**

18 There was an open burning unit for excess  
19 propellant at one (1) time. That is a Resource Conservation  
20 and Recovery Act regulated area. We are working with the  
21 EPA in Chicago on the clean up of that area. We also have  
22 sites where gator mines - gator mines were tested above that  
23 area. And they also need to be addressed. There's soil  
24 contamination there.

1 MS. PEGGY VLEREBOME:

2 What kind of contaminant?

3  
4 MR. PAUL CLOUD:

5 Propellant. Propellant.

6  
7 MS. PEGGY VLEREBOME:

8 Is that a SuperFund site then?

9  
10 MR. PAUL CLOUD:

11 No ma'am. Jefferson Proving Ground is not a  
12 SuperFund site anywhere.

13  
14 MS. KAREN MASON-SMITH:

15 I just want to reiterate. That's a Resource  
16 Conservation and Recovery Act, which the acronym for that is  
17 RCRA.

18  
19 MR. PAUL CLOUD:

20 RCRA stands - it basically regulates  
21 hazardous waste. CIRCLA which addresses SuperFund sites  
22 talk about hazardous substances. It's a nomenclature type  
23 of issue but they're different laws regulating different  
24 things different ways. Any other questions, comments? Yes

1 sir?

2

3 **MR. MIKE SWANGO:**

4 Approximately what is - what has been the  
5 cost so far south of the firing line to take care of this  
6 - this approximately?

7

8 **MR. PAUL CLOUD:**

9 About thirty million (\$30,000,000) dollars.

10

11 **MR. MIKE SWANGO:**

12 Thirty million (\$30,000,000)?

13

14 **MR. PAUL CLOUD:**

15 About thirty million (\$30,000,000) dollars.  
16 We estimate approximately another ten (10) to twelve (12) to  
17 finish south of the firing line. That's environmental and  
18 unexploded ordnance. Yes sir?

19

20 **MR. GEORGE SCOTT:**

21 How much does it cost the Army to operate  
22 the Proving Ground when it was - maybe just walk away from  
23 it but keep it - keep it under Army control and make it  
24 secure?

1           MR. PAUL CLOUD:

2                    Are you talking about the cantonment area  
3           sir?

4  
5           MR. GEORGE SCOTT:

6                    No the whole Proving Ground. How much does  
7           it cost to operate it for a year?

8  
9           MR. PAUL CLOUD:

10                   I don't have a figure like that but part of  
11           that is discussed in the Memorandum of Understanding that we  
12           entered into with Fish and Wildlife Service and the United  
13           States Air Force. They are providing a number of services  
14           north of the firing line for road maintenance, fence  
15           maintenance and those types of things. South of the firing  
16           line we have a budget for the site caretaker staff that  
17           averages about three hundred thousand dollars (\$300,000) a  
18           year for the three (3) people that are on the staff plus all  
19           the contracts and the services that are required to support  
20           them and to maintain caretaker status until that property is  
21           transferred.

22  
23           MR. ELBERT HINDS:

24                    I think the question --

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. PAUL CLOUD:**

Go ahead.

**MR. ELBERT HINDS:**

I was just wondering how long forty million dollars (\$40,000,000) would last the Army?

**MR. PAUL CLOUD:**

It wouldn't last a long time. However the BRAC laws and the President's five (5) point program required that the services disposed of the property where it was possible and reasonable. The property south of the firing line was in fact determined to be available for transfer. So that is something I think federal law and also part of the executive branch of the federal government's program. And all the services are doing that wherever possible. Yes sir?

**MR. ELBERT HINDS:**

You may well not know this but the question is what was the operating budget of JPG prior to base closure?

1           MR. PAUL CLOUD:

2                       I don't know that. There is someone in the  
3 audience who might know that. My former boss, Mr. Hudson,  
4 who was the technical director at the Proving Ground. Bob  
5 can you provide any light on that?

6  
7           MR. ROBERT HUDSON:

8                       Our last year of operation it was probably  
9 about twenty-five million (\$25,000,000).

10  
11          MR. PAUL CLOUD:

12                      Thank you. Yes ma'am?

13  
14          MS. RUTH TURNER:

15                      Would you kindly place some contacts, the  
16 information you gave us about the western parcel's  
17 decontamination, is this the - is this the last of the  
18 decontamination that's to be done or is it representative of  
19 the other things that have been done or all that needed to  
20 be - be contaminated how much is the western parcel? Just  
21 the general context?

22  
23          MR. PAUL CLOUD:

24                      Regarding the western parcel that is an

1 unexploded ordnance clearance. There are - there is no  
2 environmental contamination. There is no ground water  
3 issues. There's no soil contamination that we're aware of.  
4 It's purely a potential for unexploded ordnance clearance.  
5 The Army committed to the community for that part of the  
6 Proving Ground south of the firing line that had identified  
7 a potential for unexploded ordnance that we would perform a  
8 clearance down to four (4) feet, that is below the frost  
9 line in this part of the country. If in fact that effort -  
10 any particular parcel resulted in the ability to transfer  
11 portions of the facility with no excavation restrictions,  
12 that has been done. An example would be the airfield. And  
13 that clearance report and that Statement of Clearance which  
14 the Army accepted based on the types of things and the  
15 number of things that were found and their inability to go  
16 below four (4) feet, it was recommended and the Army  
17 approved of and accepted the no excavation lack of  
18 restrictions. So there is no excavation restriction in the  
19 airfield area. However to give you another example that  
20 southeastern portion has a four (4) foot excavation  
21 restriction. Also the hundred (100) acre parcel that was  
22 the first parcel done, that has a four (4) foot excavation  
23 restriction. We are currently reviewing that to see if that  
24 can be modified but that will only be done if in fact the

1 Army agrees on any modification. But it's based on the  
2 types and the numbers of things that were found and if they  
3 had an ability to go below four (4) feet in the first place.  
4 Did that answer your question?

5  
6 **MS. RUTH TURNER:**

7 I don't know. But is everything south of  
8 the firing line going to be decontaminated whether it's  
9 restrictions or non-restrictions?

10  
11 **MR. PAUL CLOUD:**

12 Regarding the unexploded ordnance we will  
13 clean up everything that we can find to a depth of four (4)  
14 feet. If that results in un - you know if no excavation  
15 restriction then that will be the case. If it is not  
16 possible for us to do that then the property will be  
17 transferred with an excavation restriction that no one (1)  
18 would be able to dig below four (4) feet. However, should a  
19 future owner decide that they would like to absorb that cost  
20 then there is a process by which they can come to the Army,  
21 get a plan approved and have qualified people go out and  
22 verify that a clearance deeper than four (4) feet has been  
23 done. When the Army accepts the results of that clearance  
24 then that restriction would be modified or lifted. So it is

1 not an absolute, permanent restriction. There is a  
2 mechanism by which it could be modified.

3  
4 **MS. RUTH TURNER:**

5 So this doesn't sound like continuous  
6 monitoring in - of the excavation process, but it does sound  
7 like that the Army will continue to have control or interest  
8 in properties that belong to --

9  
10 **MR. PAUL CLOUD:**

11 To anyone. Also in the - in the transfer  
12 documentation there is language and it's similar to an  
13 environmental contamination language, that should ordnance  
14 be found after we have cleared an area two (2) things have  
15 to occur. One (1) the future landowner has to allow the  
16 Army to come in and take care of it and the Army will take  
17 care of it as long as there is "money available", i.e.  
18 Congress has authorized the funding. But that's the same as  
19 an environmental contamination. We go clean up an area for  
20 say one (1) of those solvent pits. Okay? And then we  
21 transfer that property. There is language that is standard  
22 and required that should at a future date someone say well  
23 we're digging a hole over here five hundred (500) yards away  
24 from this but we're finding solvents and we've been able to

1 trace this back to Army activity back in the 1970s when that  
2 activity occurred, the Army agrees we would have - we would  
3 come in and do that. But the owner would have to allow us.  
4 That is going to be part of the new deeds that are  
5 transferred. And that will run with the land, whoever owns  
6 the land. That is standard language in environmental law.  
7

8 **MS. RUTH TURNER:**

9 Thank you.  
10

11 **MR. PAUL CLOUD:**

12 Any other comments or questions? I would  
13 like to point out when our next meeting is going to be. It  
14 will be up in Versailles at the Ripley Elementary School, 7  
15 P.M. on Wednesday, May 16th. I would encourage you to  
16 attend that meeting and to provide whatever comments or  
17 insight, questions that you might have at that time. I have  
18 no additional comments. I would like to thank everyone for  
19 coming and expressing their opinions and their comments  
20 about the depleted uranium issue. Again if you have  
21 additional comments or questions you would like to pose we  
22 have various mechanisms by which you can do that. Again  
23 this will not be the only time that that opportunity will be  
24 provided. Please sign in our attendance sheet. Take copies

1 of the handouts and if you have additional questions please  
2 provide them. Richard?

3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**MR. RICHARD HILL:**

I would also like to thank everybody for their comments tonight. Really appreciate your coming out and doing this. I didn't make many comments tonight because everybody pretty much covered what I was going to say anyway. So I think that's good. I like that. I also wanted to thank everybody for their patience, for their understanding, I was going to say patience with Paul not being able to answer some things. I know sometimes that can be a more difficult position to be in than being able to say whatever you want. That can get you in trouble too. So thanks again and if I don't get around to each and everyone of you to thank you individually thanks anyway.

**MR. PAUL CLOUD:**

Thank you very much.

\* \* \* \* \*

CONCLUSION OF HEARING

C E R T I F I C A T E

STATE OF INDIANA            )  
                                  ) SS:  
COUNTY OF JEFFERSON        )

I, Sharon Shields, do hereby certify that I am a Notary Public in and for the County of Jefferson, State of Indiana, duly authorized and qualified to administer oaths; That the foregoing public hearing was taken by me in shorthand and on a tape recorder on February 6, 2001 in the Madison-Jefferson County Public Library, 420 West Main Street, Madison, IN; That this public hearing was taken on behalf of the Jefferson Proving Ground Restoration Advisory Board pursuant to agreement for taking at this time and place; That the testimony of the witnesses was reduced to typewriting by me and contains a complete and accurate transcript of the said testimony.

I further certify that pursuant to stipulation by and between the respective parties, this testimony has been transcribed and submitted to the Jefferson Proving Ground Restoration Advisory Board.

WITNESS my hand and notarial seal this 9<sup>th</sup> day of February, 2001.

  
\_\_\_\_\_  
Sharon Shields, Notary Public  
Jefferson County, State of Indiana

My Commission Expires:       July 2, 2007

# **JEFFERSON PROVING GROUND**

**U.S. Army Soldier and Biological Chemical Command**



## **RESTORATION ADVISORY BOARD MEETING**

**February 6, 2001**

**Madison-Jefferson County Public Library**

**MADISON**

# JPG RAB MEETING AGENDA

U.S. Army Soldier and Biological Chemical Command



- WELCOME AND INTRODUCTION
- WESTERN PARCEL UXO CLEARANCE
- FINDINGS OF SUITABILITY TO TRANSFER
- INTERIM REMOVAL ACTIONS
- DEPLETED URANIUM LICENSE TERMINATION SCHEDULE AND POINT OF CONTACT
- OPEN DISCUSSION
- CLOSING REMARKS

# UXO CLEARANCE

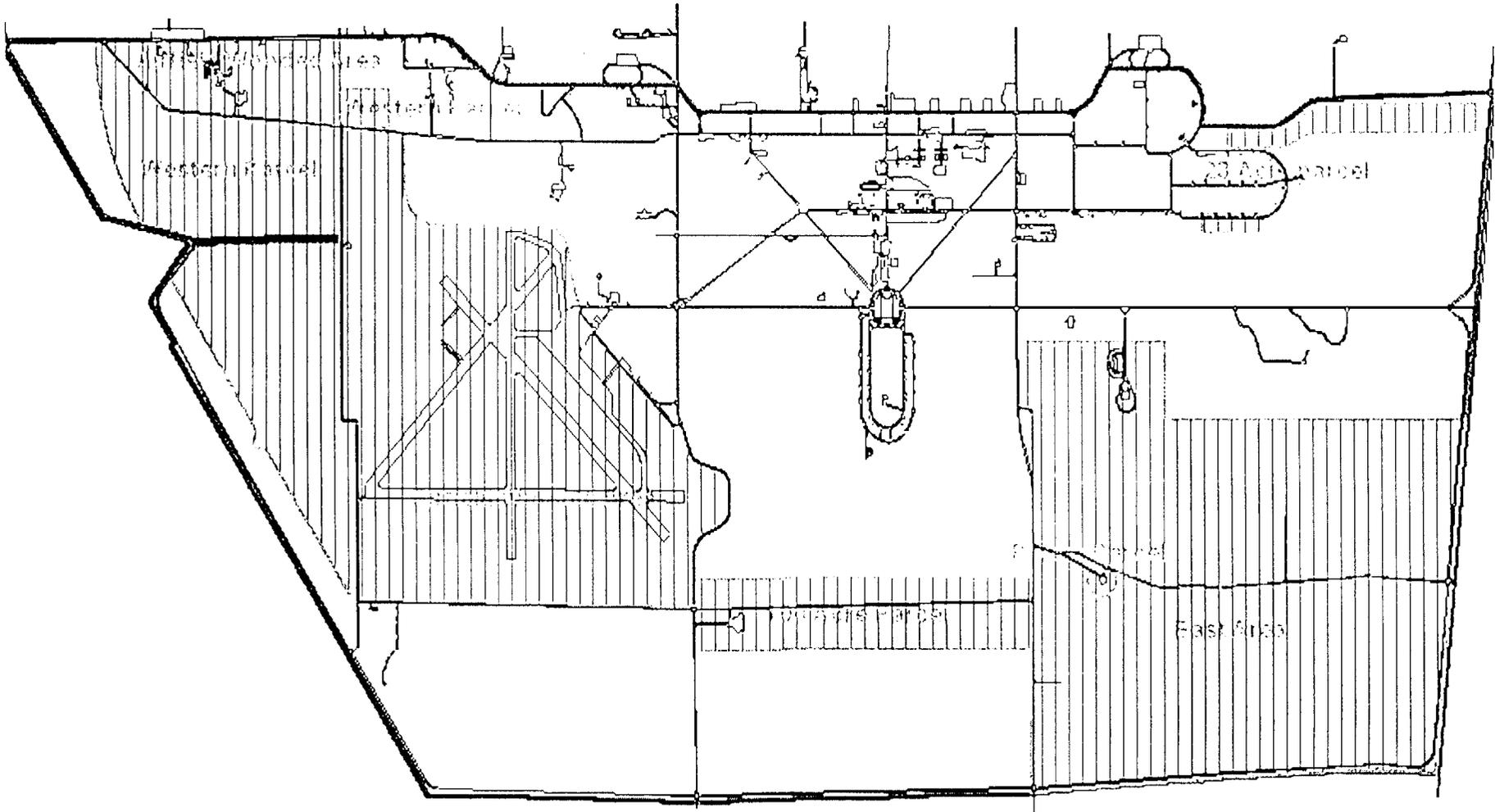
U.S. Army Soldier and Biological Chemical Command



**Unexploded Ordnance Engineering  
Evaluation and Cost Analysis (EE/CA) for  
Western Parcel of JPG Cantonment Area**

# UXO EE/CA

U.S. Army Soldier and Biological Chemical Command



# UXO EE/CA

U.S. Army Soldier and Biological Chemical Command



- **UXO Clearance on Western Parcel of JPG Cantonment Area.**
  - **Public Hearing on Engineering Evaluation/Cost. Analysis for UXO Clearance on Western Parcel of JPG Cantonment Area – November 1999.**
  - **Public Comment Period Begins November 1999.**

# UXO EE/CA

U.S. Army Soldier and Biological Chemical Command



- **UXO Clearance on Western Parcel of JPG Cantonment Area (Cont'd).**
  - **Requests from EPA/IDEM/Public for comment period extension to December 31, 1999.**
  - **Comments received from Public - January 3, 2000.**
  - **Comments received from EPA, Region 5 and IDEM January 4, 2000.**

# UXO EE/CA

U.S. Army Soldier and Biological Chemical Command



- **UXO Clearance on Western Parcel of JPG Cantonment Area (Cont'd).**
  - **Response to comments and revised EE/CA – October 2000.**
  - **US Army Technical Center for Explosive Safety review October – December 2000**
  - **Response to Technical Center comments and revised EE/CA February 2001.**

# UXO EE/CA

U.S. Army Soldier and Biological Chemical Command



- **UXO Clearance on Western Parcel of JPG Cantonment Area (Cont'd).**
  - Response to comments and revised EE/CA provided to public – February 2001
  - Action Memo for EE/CA being staffed for Army signature – February 2001
  - Field Work expected to start March - April 2001.

# FOST UPDATE

U.S. Army Soldier and Biological Chemical Command



## Findings of Suitability to Transfer

# Finding of Suitability to Transfer (FOST)

U.S. Army Soldier and Biological Chemical Command



- **Central Area FOST**
  - **Approximately 1,200 Acres**
  - **Approximately 90 Buildings**
  - **30 Day Public Comment Period -  
December 1, 1998 to January 8, 1999**
  - **Comments received from EPA, IDEM,  
Public and Mr. Ford.**

# Finding of Suitability to Transfer (FOST)

U.S. Army Soldier and Biological Chemical Command



- **Central Area FOST (Cont'd)**
  - **Revised FOST issued March 19, 1999.**
  - **EPA/IDEM response requested by April 5, 1999.**
  - **EPA/IDEM Outstanding comments received April 9, 1999.**
  - **FOST sent to Army Materiel Command for signature April 16, 1999.**
  - **FOST signed May 19, 1999.**

# Finding of Suitability To Transfer (FOST)

U.S. Army Soldier and Biological Chemical Command



- **Central Area FOST (Cont'd)**
  - **Louisville COE Real Estate Office preparing deed title transfer documents.**
  - **Lead Based paint survey/risk assessment and parcel survey conducted September, 2000. Results provided November, 2000.**
  - **Land survey and legal description provided in November, 2000.**

# Finding of Suitability To Transfer (FOST)

U.S. Army Soldier and Biological Chemical Command

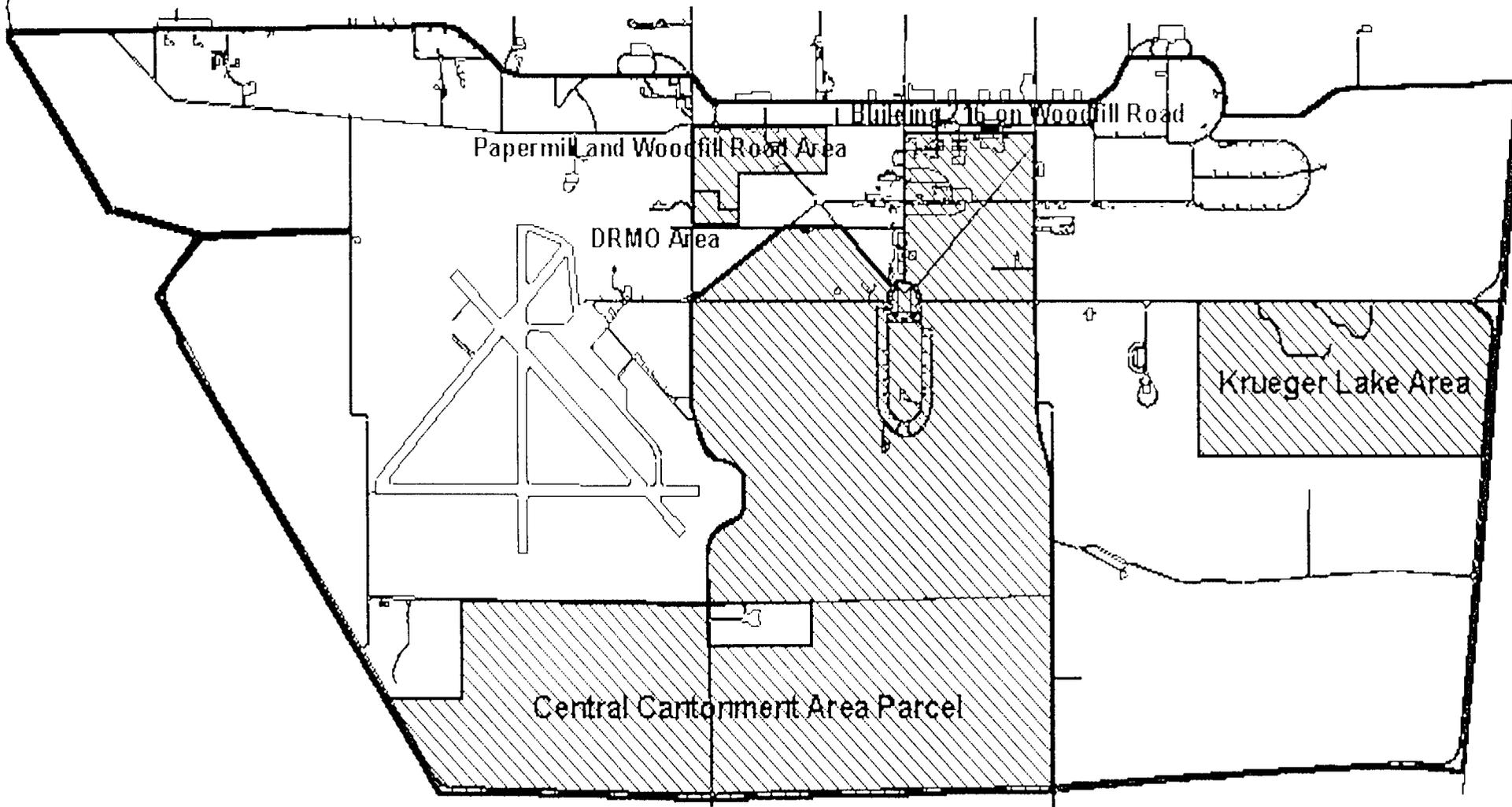


- **Central Area FOST (Cont'd)**
  - **Deed Title transfer documents being reviewed by Army/COE/Mr. Ford – January/February 2001**
  - **Transfer of property scheduled for February/March 2001.**

# JPG Cantonment Area FOST Parcel



U.S. Army Soldier and Biological Chemical Command



# **New Finding of Suitability to Transfer**

**U.S. Army Soldier and Biological Chemical Command**



- **Defense Reutilization and Marketing Office (DRMO) Area**
  - **Approximately 5.7 acres**
  - **One Building**
  - **30 Day Public Comment period complete May 17, 1999.**
  - **Comments received from EPA and IDEM.**
  - **Revised FOST and Response to comments issued October 26, 1999.**

# New Finding of Suitability to Transfer



**U.S. Army Soldier and Biological Chemical Command**



- **Defense Reutilization and Marketing Office (DRMO) Area (Cont'd).**
  - **Response requested by November 19, 1999.**
  - **Received EPA/IDEM comments.**
  - **Additional Soil samples taken to resolve EPA comment.**
  - **Concurrence/response requested by June 2, 2000.**

# **New Finding of Suitability to Transfer**

**U.S. Army Soldier and Biological Chemical Command**



- **Defense Reutilization and Marketing Office (DRMO) Area (Cont'd).**
  - **Revised FOST, additional soil removal results and response to EPA and IDEM comments sent May 18, 2000.**
  - **Concurrence from EPA Region 5 and IDEM received June 2000.**
  - **FOST staffed within SBCCOM for Approval – June/July 2000**

# New Finding of Suitability to Transfer

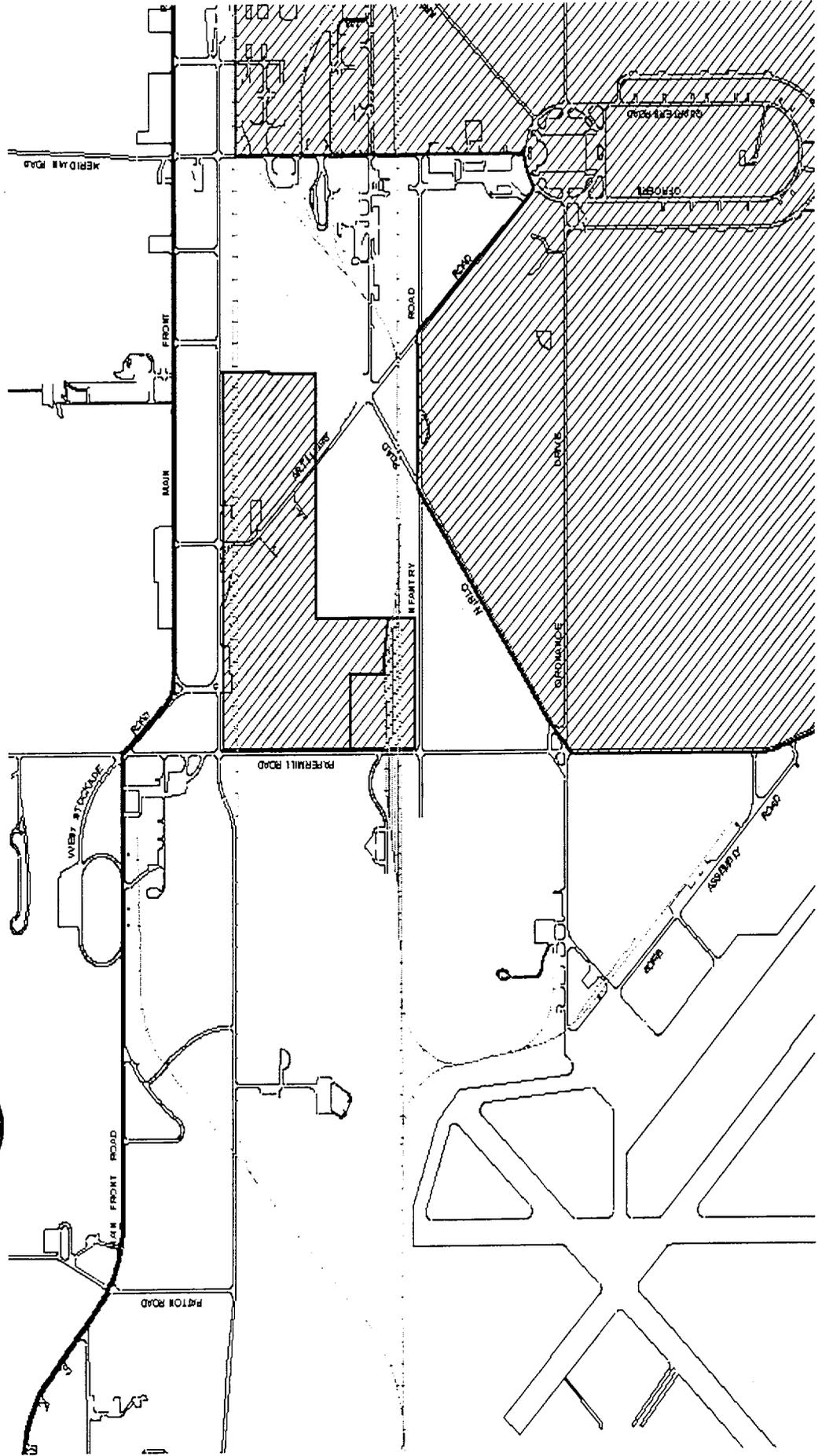
U.S. Army Soldier and Biological Chemical Command



- **Defense Reutilization and Marketing Office (DRMO) Area (Cont'd).**
  - **FOST sent to Army Materiel Command for staffing and approval August 2000.**
  - **FOST approved September 29, 2000**
  - **Parcel to be transferred following transfer of 1,200 acres – Current estimate May/June 2001**

# DRMO FOST AREA

U.S. Army Soldier and Biological Chemical Command



# New Finding of Suitability to Transfer

U.S. Army Soldier and Biological Chemical Command



## ➤ Airfield Area:

- ~ 760 acres and 21 buildings
- Originally proposed reuse was commercial/industrial
- 30 Day Public Comment period ended August 1999
- Commercial/industrial reuse requires additional deed restrictions/controls

# **New Finding of Suitability to Transfer**

**U.S. Army Soldier and Biological Chemical Command**



## **➤ Airfield Area (Cont'd):**

- Comments received from IDEM and EPA**
- Change in reuse to residential improves property and eliminates some deed restrictions**
  - Additional environmental cleanup required**
  - Additional soil removal conducted Fall 2000**

# New Finding of Suitability to Transfer

U.S. Army Soldier and Biological Chemical Command



- **Airfield Area (Cont'd):**
  - **EPA/IDEM comments received concerning additional work performed within airfield parcel – January 2001**
  - **Army response to EPA/IDEM Comments – February 2001**
  - **Change in reuse requires re-drafting and initial review of new FOST**

# New Finding of Suitability to Transfer

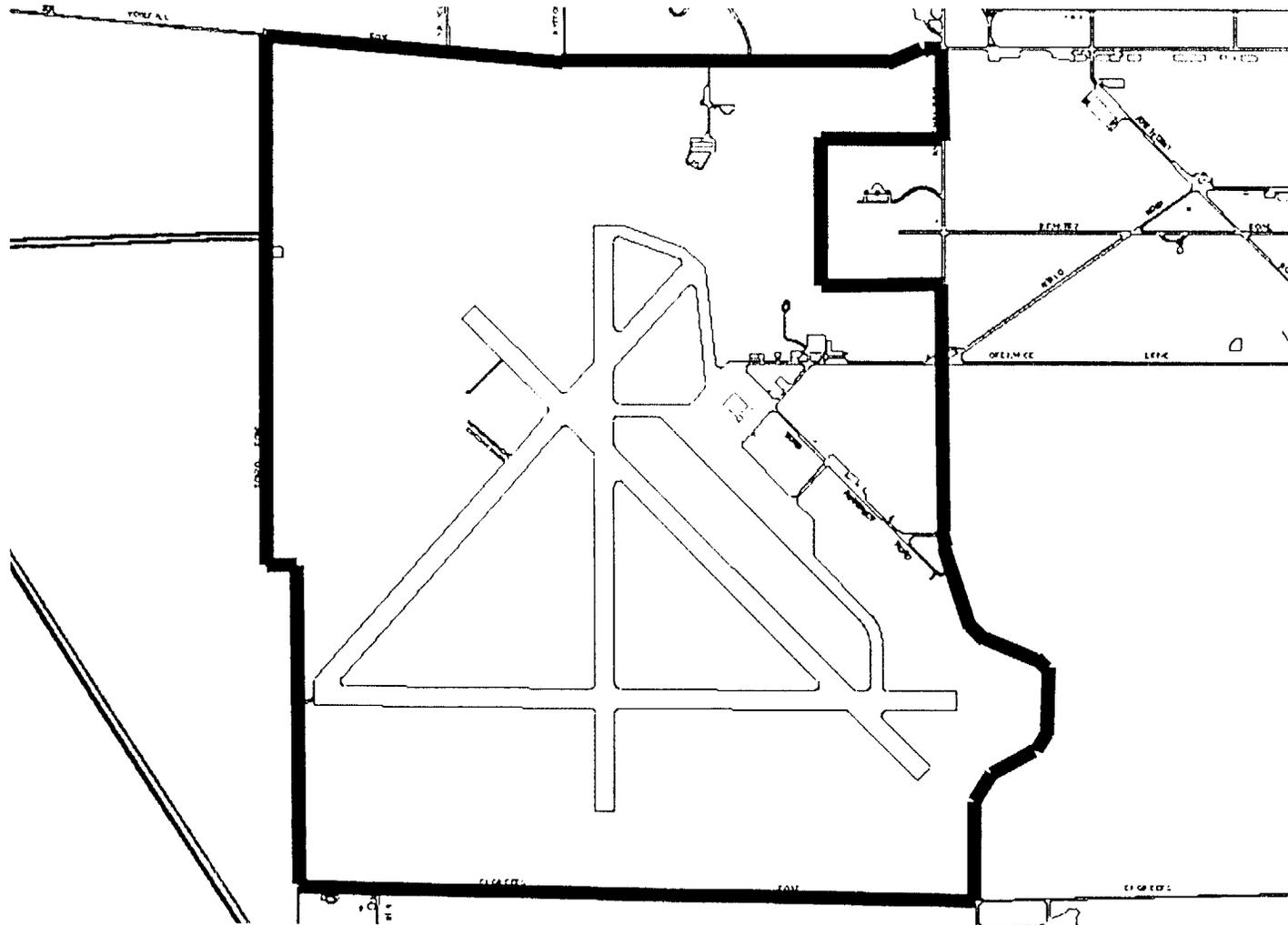
U.S. Army Soldier and Biological Chemical Command



- **Airfield Area (Cont'd):**
  - **Revised Airfield FOST provided for 30 day public comment – March 2001**

# AIRFIELD AREA FOST PARCEL

U.S. Army Soldier and Biological Chemical Command



# INTERIM REMOVAL ACTIONS

U.S. Army Soldier and Biological Chemical Command



## LOUISVILLE CORPS OF ENGINEERS

# Jefferson Proving Ground

INTERIM REMOVAL ACTION

Sites 12A, 12B, 12C, 13 and 33

# Initial Excavation - Typical



Initial excavation performed to depths determined from the RI and stated in the Workplans.

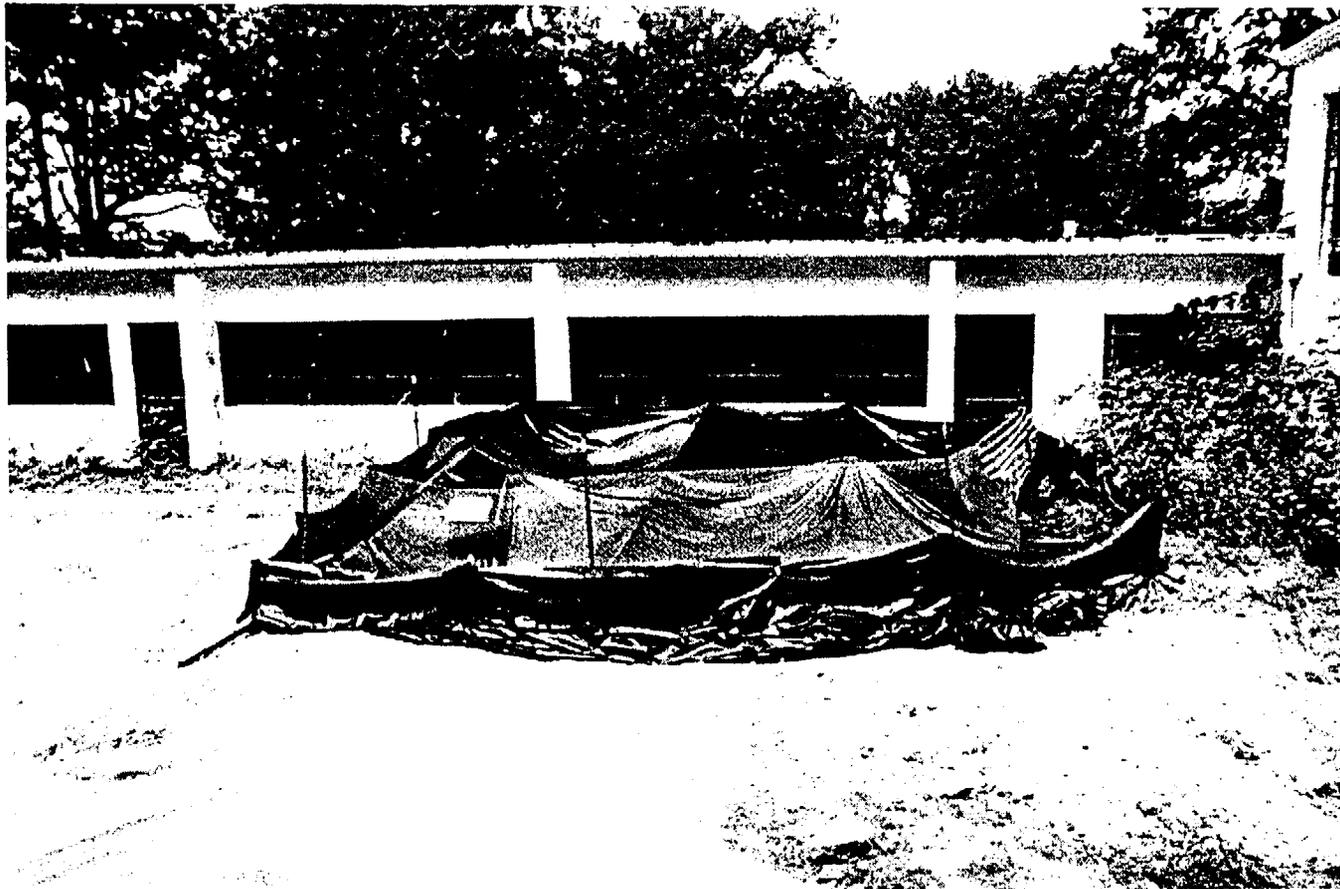
# Confirmation Sampling - Typical



- Performed from the backhoe bucket
- Confirmed that remaining soils met Remediation Goals
- If yes, excavation was backfilled
- If no, performed additional excavation

# Excavation Cover - Typical

Reduced potential for water accumulation during  
Confirmation Sampling



# Site 12A

Rainwater collected in excavation, was pumped into the tank, tested, and disposed of accordingly.



# Unique to Sites 12A and 12B

Additional Excavation based on Confirmation Testing



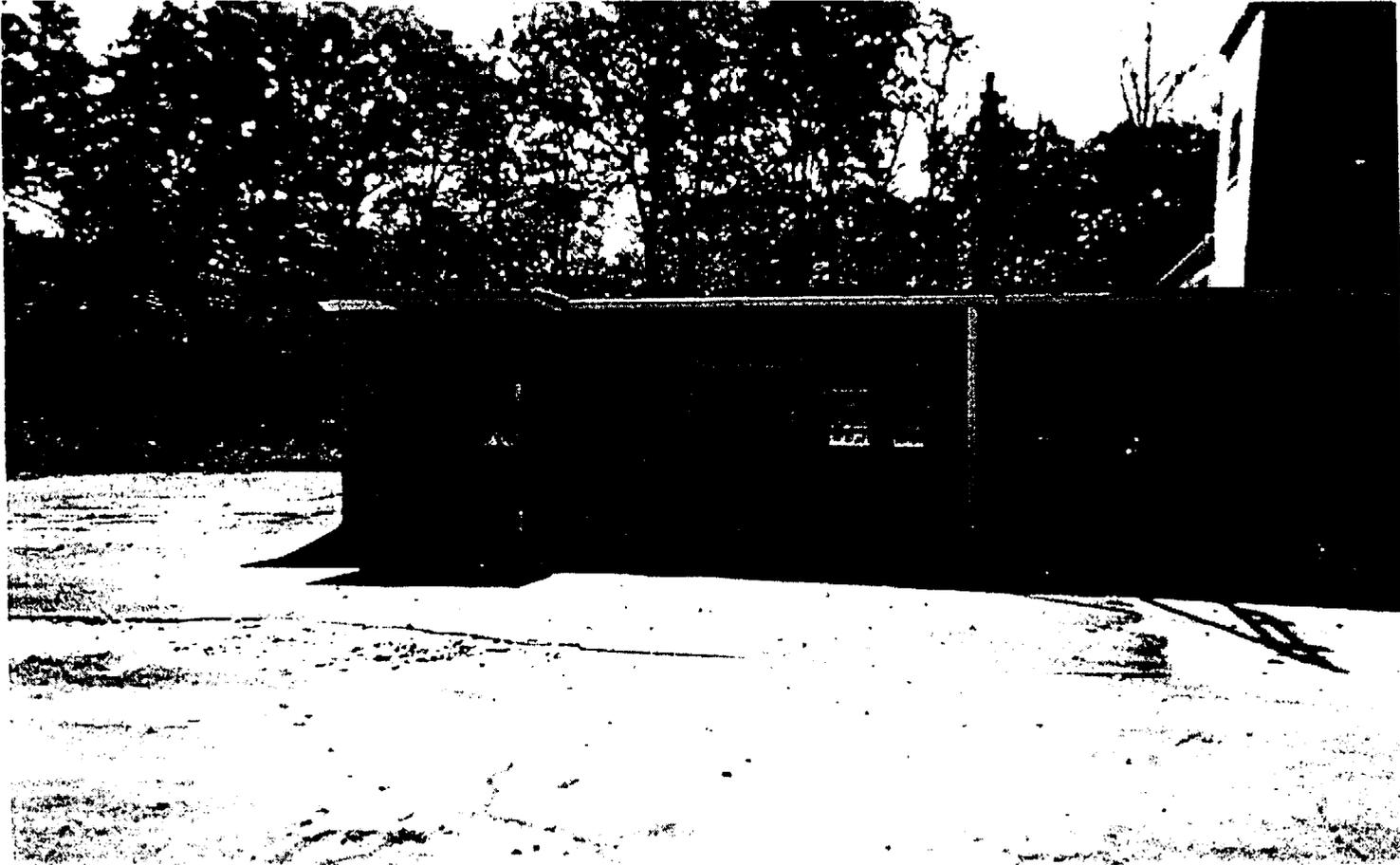
Addition of Pipes in excavation to create pathway to contaminant zone



# Backfill and Compaction - Typical

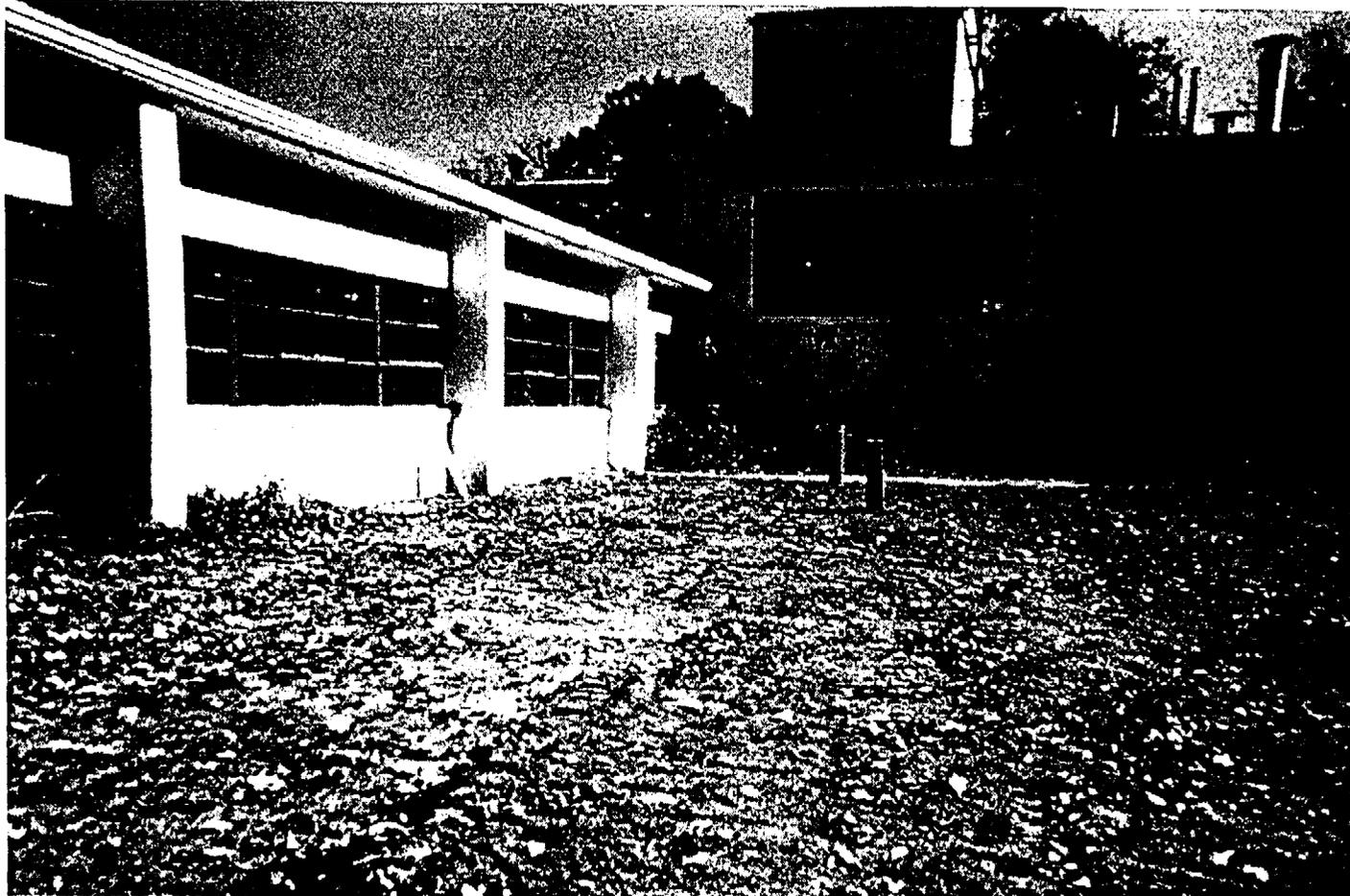


# Site 12A Complete

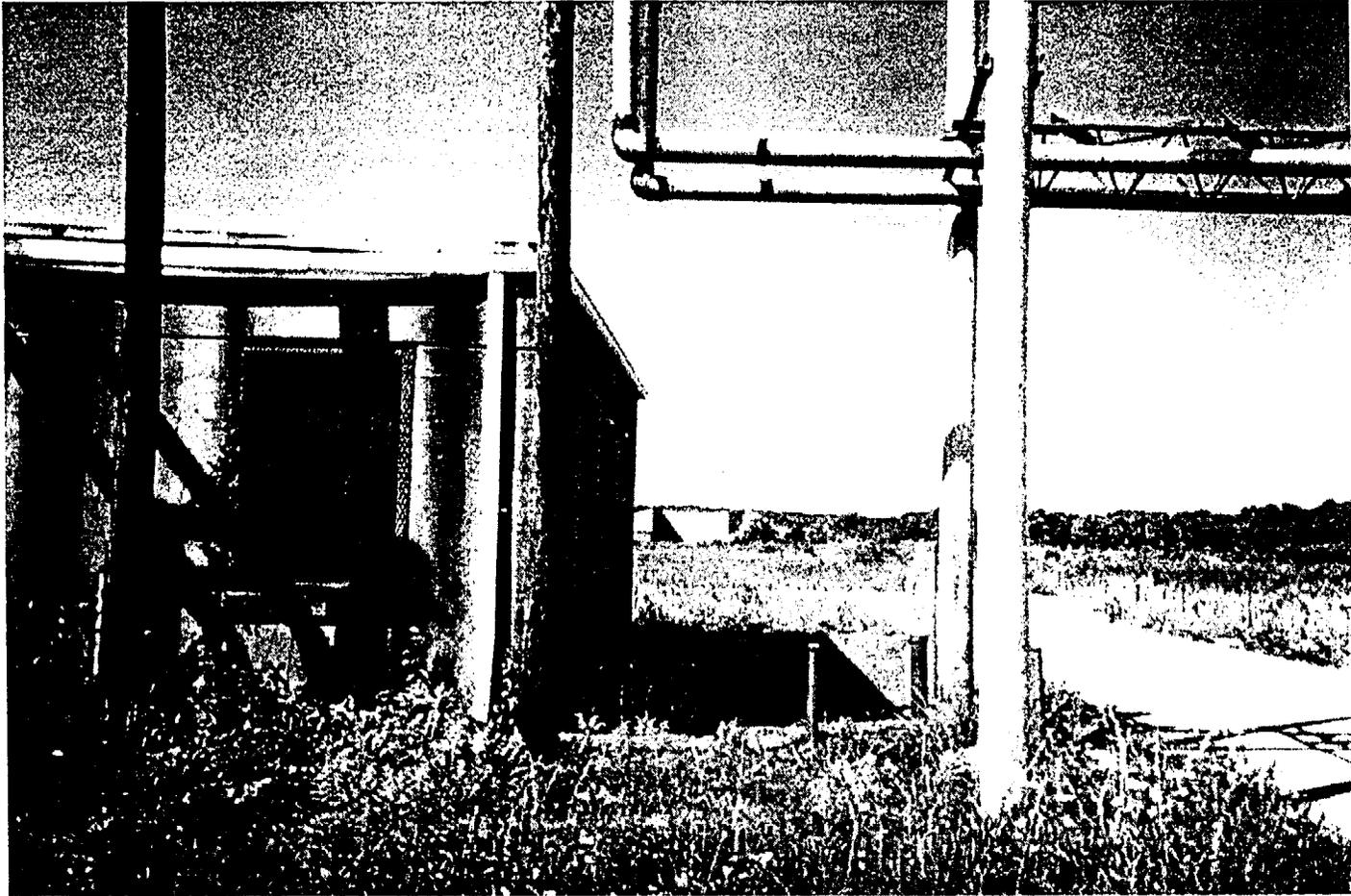


Removed Asphalt was replaced at completion.

# Site 12B Complete



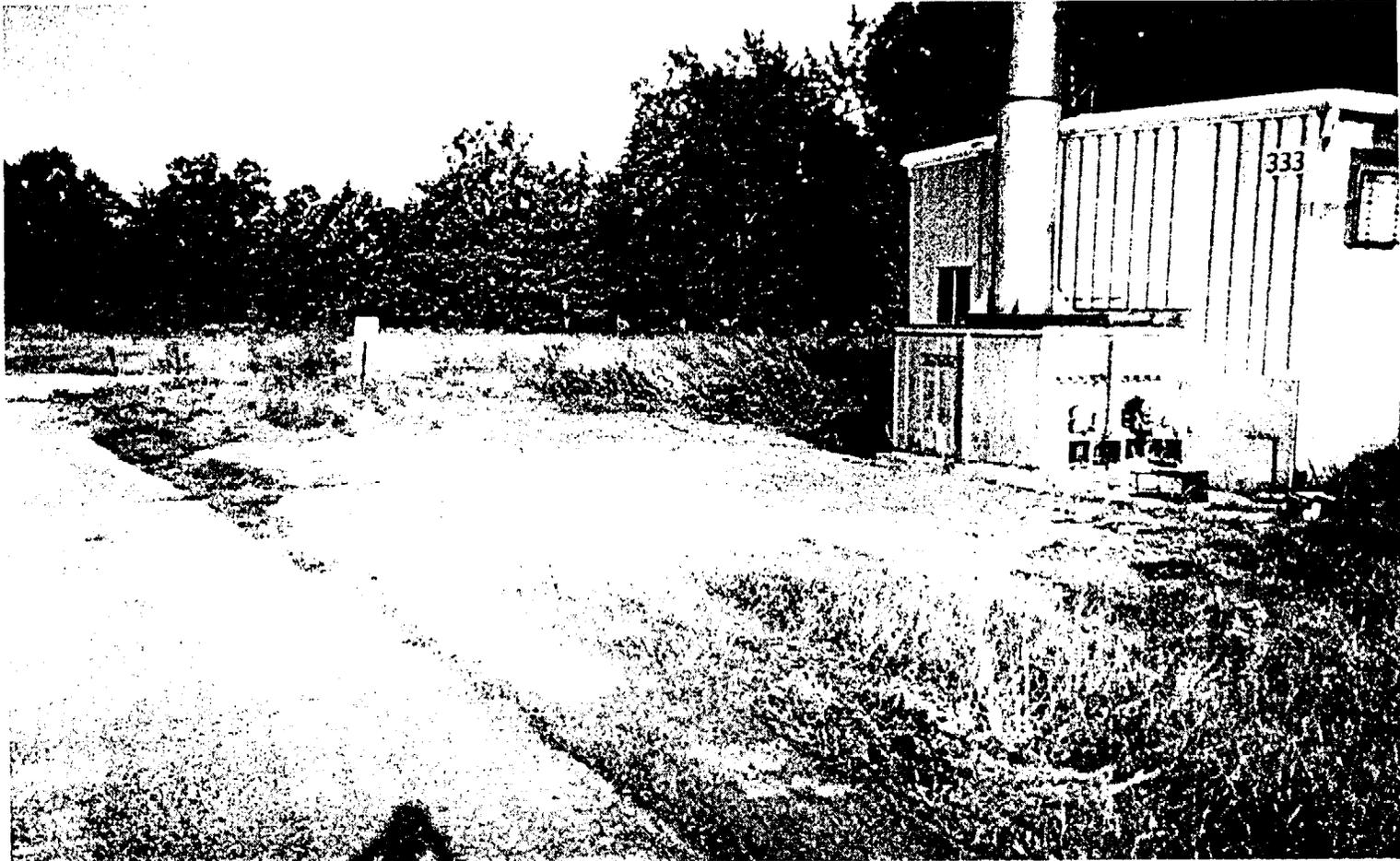
# Site 12C Complete



# Site 13 Complete



# Site 33 Complete

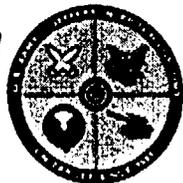




# JPG DU LICENSE TERMINATION SCHEDULE AND POINT OF CONTACT

# JPG DU LICENSE TERMINATION

U.S. Army Soldier and Biological Chemical Command



- **Current schedule for submitting revised License Termination and Institutional Control Plans:**
  - **Submission of Draft LTP & ICP to Save the Valley (STV) – February 16, 2001**
  - **STV comments due on Draft LTP & ICP – March 19, 2001**
  - **Comment resolution period on Draft LTP & ICP – April 18, 2001**
  - **Prepare final Draft LTP & ICP – May 18, 2001**
  - **Final Draft LTP & ICP to NRC – June 1, 2001**

# JPG DU LICENSE TERMINATION

**U.S. Army Soldier and Biological Chemical Command**



## ➤ **US Army Point of Contact**

➤ **Ms. Joyce Kuykendall – Radiation Safety Officer**

➤ **Telephone: 410-436-7118 or 1-800-392-2015 extension 5-7118**

➤ **Fax: 410-436-4445**

➤ **E-mail: [JPGSITEComments@CBDCOM-EMH1.APGEA.ARMY.MIL](mailto:JPGSITEComments@CBDCOM-EMH1.APGEA.ARMY.MIL)**

## ➤ **Regular Mail:**

➤ **Ms. Joyce E. Kuykendall  
SBCCOM Radiation Safety Office  
U.S. Army Soldier and Biological Chemical Command  
ATTN: AMSSB-RCB-RS  
E5183 Blackhawk Road  
Aberdeen Proving Ground, MD 21010-5424**

# OPEN DISCUSSION

U.S. Army Soldier and Biological Chemical Command



## QUESTIONS/COMMENTS

# NEXT RAB MEETING

U.S. Army Soldier and Biological Chemical Command



- **South Ripley Elementary School,  
Versailles, Indiana**
- **7:00 PM, Wednesday, May 16, 2001**