

**SUMMARY OF ERRATA
STENOGRAPHERS REPORT
TRANSCRIPT OF THE NAVAL WEAPONS STATION EARLE RESTORATION ADVISORY
BOARD MEETING AND PUBLIC MEETING HELD ON MAY 10, 2001 TO PRESENT AND
DISCUSS THE PROPOSED PLAN FOR OPERABLE UNIT 6 (OU-6)**

1. Page 4, Line 24: Patel should be spelled as "Battelle"
2. Page 5, Line 2: will "be" operational.....
3. Page 5, Line 6: The word "but" should be "put"
4. Page 7, Line 16-17: should read: "So if landfill operations ended in 1968,..."
5. Page 9, Line 3: change "dry" to "try"
6. Page 9, Line 11: change "were" to "we"
7. Page 10, Line 3 change "the" to "be a"
8. Page 10, Line 4-5: And so there was a remedial action (proposed) to (address potential) exposure to groundwater.
9. Page 10, Line 12: change "a" to "an"
10. Page 13, Line 16-17: The water (groundwater level) has not been observed to rise into the placed waste (in the landfill).
11. Page 18, Line 17: change "has seized" to "ceased"
12. Page 18, Line 19-22: replace with "The soils adjacent to the closed furnace were cleaned up to the residential lead standard of 100 parts per million in 1995. And the State has....."
13. Page 19, Line 25: change "Hypoxin" to "Hockhocksen"
14. Page 20, Line 10: change to read: "Did we cover your....."
15. Page 21, Line 15: Let's move on to the Navy's (preferred alternative being presented) tonight. As I mentioned ...
16. Page 23, Line 4 - 5: Jessica (Mollin), EPA project manager, (or her predecessor), have had input ...
17. Page 23, Line 11: change "place" to "person"
18. Page 26, Line 24: change "base" to "casing"
19. Page 27, Line 2: change "record" to "RCRA"
20. Page 27, Line 5: Yes, metals investigated included mercury.
21. Page 30, Line 23: metals that are recyclable are sent for recycling."
22. Page 31, Line 9: change "ordinance" to "ordnance" , and also same change (Pg. 32, lines 13, 14,17)
23. Page 31, Line 10: change "explosion" to "explosive"
24. Page 33, Line 24: change "hull" to "haul"
25. Page 35, Line 6: change "bit" to "pit"
26. Page 40, Line 12: change "with" to "we'll"
27. Page 42, Line 09: read....." proposed by....."
28. Page 43, Line 7: "overtime" should be "over time"
29. Page 44, Line 3: change "EODP" to "EOD"
30. Page 46, Lines 17-19: change to read: "We have also sent forward to our major command an information packet that can be placed on the internet describing all of our sites,....."
31. Page 48, Line 13, Line 20: change "16(f)" to "16/F" as well in other locations (Pg. 51, lines 2 and 17)
32. Page 49, Line 13: change "tan" to "tank"
33. Page 49, Line 17: "When the Navy is finished with....."
34. Page 50, Line 21: "investigation" should be "investigating"

NAVAL WEAPONS STATION EARLE

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RESTORATION ADVISORY BOARD

TRANSCRIPT OF
PROCEEDINGS

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May 10, 2001
HOWELL TOWNSHIP MUNICIPAL COMPLEX
Howell, New Jersey
7:30 p.m.

APPEARANCES:

RUSSEL E. TURNER
Senior Project Manager
600 Clark Avenue, Suite 3
King of Prussia, PA 19406-1433
For Tetra Tech Nus, Inc.

1 MR. GOEPFERT: Thank you
2 everybody for coming this evening, it's about
3 time that we normally start the meeting. My name
4 is Greg Goepfert, from the Naval Station Earle.
5 I'm an environmental engineer on the base. And I
6 want to say a very nice thank you to Ms. Janet
7 Coakley and for Howell Township's hospitality to
8 have us here tonight. And since we have some
9 faces that are new to the restoration board
10 meeting, I would like everybody to stand and
11 introduce themselves so you can be noted by our
12 stenographer this evening. You want to start on
13 this side here.

14 LT. WEXLER: Hi, my name is
15 Lt. Ian Wexler, I'm the base JAG, base attorney,
16 nice meeting you all.

17 CAPT. SHAW: Yes. Good
18 evening, I'm Captain Shaw, I'm the commanding
19 officer at Naval Station Earle.

20 MR. KINKADE: Merwin Kinkade,
21 representing the Borough of Tinton Falls as the
22 restoration advisory.

23 MR. JARGOWSKY: Lester
24 Jargowsky, representing the Monmouth County
25 Health Department and restoration.

1 MS. MOLLIN: Jessica Mollin,
2 from EPA, I'm the project manager for Naval
3 Station Earle.

4 MS. COAKLEY: Janet Coakley,
5 the chairman of the Howell Environmental
6 Commission, and a member of the restoration
7 advisory board.

8 MR. SMITH: Don Smith, vice
9 chair Howell Township Environmental Commission.

10 MR. HERMANNI: Gus Hermanni,
11 Environmental Director Naval Station Earle.

12 MR. TURNER: Russ Turner,
13 Tetra Tech, Environmental Engineer, consultant to
14 the navy.

15 MR. KOLICIUS: John Kolicius,
16 Navy Engineering Field Activity Northeast. I'm
17 the remedial project manager for the program at
18 Earle.

19 MS. ELDRIDGE: Nancy
20 Eldridge, I'm the public affairs officer at
21 Naval Station Earle.

22 MR. HAMMER: Michael Hammer,
23 I'm on the environmental commission in Howell
24 Township.

25 MR. MARSINIAK: Stanley

1 Marsiniak, Howell Township Environmental
2 Commission.

3 MR. MEYER: Carl Meyer.

4 MR. MEYER: Steven Meyer,
5 Board of Adjustment Howell Township.

6 MR. GOEPFERT: Again, thank
7 you very much for coming this evening. Our
8 agenda this evening is we're going to review the
9 minutes of our December meeting. We're going to
10 talk about the planned work at two of our sites,
11 Sites No. 3 and No. 10. Our community co-chair,
12 Mr. Lester Jargowsky, will give a short report,
13 and I will give a short report as to the outreach
14 efforts that we have conducted in the community.
15 And I also give a short talk on the status of
16 some of the active remediation work we have under
17 way currently at two of our sites.

18 So I'll review the minutes of our
19 last meeting. At the last meeting, Capt. Shaw
20 took over command of Naval Weapons Station Earle,
21 actually not at the meeting, but prior to the
22 meeting he took over command of Earle and
23 introduced himself as the commanding officer.
24 Mr. Kolicius stated that Patel (phonetic) Labs
25 was going to install some additional wells at our

1 site 16/F that we'll talk about later. The wells
2 were installed and will operational next month.
3 Mr. Merwin Kinkade led a discussion about the
4 Department of Defense Restoration Advisory Board
5 Meeting, that was held in St. Louis in November,
6 and some of the recommendations that he had put
7 forth to the board have been implemented.

8 We talked about some of the
9 outreach efforts that we might consider in the
10 community. And we have implemented some of them,
11 and we'll talk about that later in the agenda.
12 And my task was basically to arrange for a
13 special RAB meeting, which is tonight's meeting,
14 to serve as a public meeting for the proposed
15 plans at Sites No. 3 and 10, as well as to
16 examine the opportunities for public outreach.
17 Do we have any additions or changes to the
18 minutes? Do we have a motion to approve?

19 MS. COAKLEY: I'll make a
20 motion to approve.

21 MR. GOEPFERT: Is there a
22 second?

23 MR. KINKADE: Second.

24 MR. GOEPFERT: All in favor
25 to approve the minutes.

1 (Whereupon the members signify by saying
2 aye.)

3 MR. GOEPFERT: All against.

4 (Whereupon there is no response.)

5 MR. GOEPFERT: The minutes
6 stand approved and will be entered into the
7 record. The next item on the agenda is the
8 direct discussion of our plans for Sites 3 and 10
9 on the base, remediation work. And Mr. Russel
10 Turner from Tetra Tech Nus, our consultant, will
11 give a brief overview of some of the work that's
12 planned. I'll move this. Please feel free to
13 ask questions as they come up.

14 MR. TURNER: On the first
15 slide -- all right. The relative location of the
16 two sites you can see is site 10, is about in the
17 middle of the main site area, and Site 3 is in
18 the southern end of the main site area. Is
19 everyone comfortable with that?

20 MR. MARSINIAC: Before you
21 start, can you identify any highway or roads so
22 we can get an idea of where, in position the
23 roads are so I can understand it better.

24 MR. GOEPFERT: This is
25 Highway 34. This is the main entrance on Route

1 34.

2 MR. MARSINIAK: This is 34.

3 MR. GOEPFERT: This is the
4 main entrance to the base, the main area of the
5 base, and Mr. Marsiniak, I think you're more
6 familiar with this is the western most gate off
7 Asbury Avenue.

8 MR. MARSINIAK: Okay.

9 MR. TURNER: Is that better?
10 All right. Let's go to the next slide, if
11 everyone is comfortable with that. The next slide
12 will be an area photograph of Site 3. Site 3 is
13 the more green vegetated area that you can see in
14 the center and up a little bit from the bottom.
15 That's approximately five acres, former land
16 fill, used from about 1960 to about 1968. So if
17 you think the 1968, that would have been about 32
18 years since it became inactive. Generally, what
19 has been disposed there is household type trash,
20 you know, municipal type waste.

21 We did some test pits, we
22 encountered things like paper, plastics, you
23 know, bottles, things like that. Reportedly,
24 industrial wastes were also disposed there,
25 including solvents and such, but no industrial or

1 particularly army type -- excuse me, navy type,
2 military type waste was found there, it's really
3 just municipal type waste in the test pits.
4 After it was -- after it was closed, it was
5 covered with about two feet of sandy soil. So if
6 you look at the site now, you can find -- and
7 this is a recent photograph of that from last
8 week.

9 MR. GOEPFERT: Yes.

10 MR. TURNER: That Greg took,
11 and that's the entrance. If can remember the
12 area photograph, there's a road that goes in and
13 there's a turn around area. The yellow dots on
14 the last slide, that shows the monitoring well
15 locations. In addition to monitoring wells,
16 remedial investigation of a lot of surface soils,
17 sub surface soils, sediments, a whole range of
18 samples were taken to support the ecological
19 assessments for the site. This recent photo,
20 let's move on that, gives you an idea of what it
21 looks like from the ground, coming in the main
22 access road. And it gives you an idea of the
23 maturity of some of the trees there, which maybe
24 15 to -- maybe as much as 30 years old.

25 MR. KOLICIUS: Just a note,

1 generally it was standard practice within a lot
2 of the navy bases after a site like this was
3 closed to dry to revegetate it to some extent, so
4 pine trees were often planted in the area, and
5 from the aerial photograph, you can see the
6 greener trees as opposed to the more light
7 colored trees in a lot of the surrounding area,
8 that's because a lot of it was pines that weren't
9 necessarily native to the area, much of the
10 surrounding area is more hardwood forest. So
11 from the aerial photos were are able to a lot of
12 times delineate to some extent, the extent of
13 some of these sites.

14 MR. TURNER: Okay. After the
15 remedial investigation was concluded and
16 discussed and made available to the public, for
17 the site, we're going to talk about Site 3 first.
18 There was a range of technologies looked at, and
19 it was brought down to three alternatives.
20 Alternative (1), included periodic review and
21 long term monitoring of ground water. This it
22 called no action, it's not -- obviously not no
23 action, that was done before there was a need to
24 cover a remedial action objective that was
25 identified in those studies, and that was for a

1 concentration of arsenic in ground water that
2 human health risk assessment, was found under the
3 future residential scenario to the compound of
4 concern. And so there was a remedial action to
5 exposure to the ground water.

6 Alternative (2) limited action,
7 would include additional soil cover, regrading
8 for drainage, improved drainage, and
9 revegetation, fencing, cable type fencing and
10 warning signs. In addition, access restrictions
11 and prohibition of future construction on the
12 landfill that would be a administrative control.
13 In addition, there would a CEA which would be a
14 Classification Exception Area under the
15 guidelines of NJDEP would be required to insure
16 that ground water isn't used directly. And
17 periodically, review and monitoring, that's
18 included in all that in Alternative (2), and the
19 total price it was approximately \$878,000.

20 Alternative (3), is a -- would be a
21 designed low permeability cap system, cover
22 system. It would include a low permeability
23 layer or a membrane, something like that. And it
24 would be the more expensive, I think that's a
25 little over five million dollars. In addition,

1 Alternative (3), also includes fencing, access
2 restrictions, the CEA has alternatives to this as
3 well, as well, as long term monitoring. Tonight,
4 the navy is proposing after consultation with EPA
5 and NJDEP, Alternative (2), which is the limited
6 action, covering institutional controls and long
7 term monitoring. It would include, the work
8 would include removing exposed debris and
9 vegetation where necessary to allow the
10 additional cover soil and regrading. The trees,
11 we have a concern for the trees, possibly the
12 trees could be saved, but some of them would have
13 to be removed. Okay. Any questions? No.

14 The final design of the cap system,
15 let's look at the -- if you guys can see it, you
16 can see the red line, and the black x-line, those
17 are the limits of where the cap would be placed.
18 The red line indicates the limits of the cover
19 system, the black x-line indicates the proposed
20 fence, roughly that's approximately five acres.
21 The cable type fence and warning signs
22 restrictions on the Earle Master plan, to
23 preclude future construction that would damage
24 the cap. The cover system, long term monitoring,
25 as well as classification exception area.

1 Now, the dollar numbers we showed
2 up there just one minute ago to let everyone get
3 an idea that would be present value, which
4 essentially would mean the amount of money the
5 government would have to put in the bank today,
6 to fund that process over a period of time, over
7 a 30 year period or depending on the long term
8 monitoring that would be funded in today's
9 dollars. And that's the proposed plan for Site
10 3, Alternative (2), if there are any questions?

11 MR. HAMMER: How big is that
12 area? How deep is it?

13 MR. TURNER: All right. How
14 deep is it? All right. Within the fenced area
15 is approximately five acres.

16 MR. HAMMER: Five acres.

17 MR. TURNER: Yeah.

18 MR. HAMMER: How deep is it?

19 MR. TURNER: And the depth is
20 probably two feet of cover on average of sandy
21 soil, and then about maybe three to four feet,
22 it's not a very deep landfill. It's kind of
23 pushed in and covered. It's actually, this site,
24 one of the things I wanted to mention is if you
25 look at the site to the southeast of the turn

1 around area there, in the center, there's a
2 wetland area where we do a fair amount of
3 sampling addendum, sampling, to look at
4 ecological receptors, and we did a fair amount of
5 work in that area. But there's -- the site is
6 more or less flat, but it falls off pretty
7 rapidly to a deep, relatively deep ravine down to
8 the southeast corner.

9 MR. HAMMER: Is there water
10 table in the area of the contaminants?

11 MR. TURNER: Well, what's
12 happened is the deepest well there is about 25
13 feet. And that's below any of the waste.

14 MR. HAMMER: But it's not
15 through the dump area though.

16 MR. TURNER: The water is not
17 that the placed waste. In fact, the deepest well
18 we put in there, we put in these wells for a
19 specific reason, to see if there's any immediate
20 impact leaching. And often those wells come up
21 dry, depending on the rain.

22 MR. MARSINIAC: You've got a
23 stream -- you've got a stream running on this
24 side south of Howell Township; right?

25 MR. TURNER: This is a

1 drainage depression, let me show you on the map
2 up here.

3 MR. MARSINIAK: Am I looking
4 at this (indicating).

5 MR. GOEPFERT: That's the
6 eastern branch of the --

7 MR. KOLICIUS: We have
8 sampled the water right at the fence line here
9 and we didn't find any impact in any of the
10 sites. One of the things we did as part of our
11 remedial investigation, we did sampling of every
12 stream leaving the base, just to get a general
13 feel for the various water sheds and to see if
14 any of the sites in Earle had a cumulative effect
15 had any impact leaving the base.

16 MR. MARSINIAK: My question
17 here I just wrote it down, is stream travels to
18 different water sheds. I think I would like to
19 see that later on, you know, because you have
20 different water sheds from the base going
21 different ways; right? Not only into the
22 Manasquan, but you've got not the different water
23 sheds.

24 MR. TURNER: The drainage
25 from the landfill, this drainage occurs from here

1 (indicating).

2 MR. MARSINIAK: Where is
3 that?

4 MR. KOLICIUS: As part of the
5 remedial investigation which was finished in
6 1995, we did look at all the different water
7 sheds on the base, and what sites would
8 potentially be impacting which particular water
9 sheds. And as I said, the main thing that we
10 found from all the water shed sampling was there
11 was no impact at our fence line from any of the
12 sites. We started with both investigations
13 adjacent to the site, but then there was a
14 concern about human impact, so as part of the
15 that earlier investigation, we did look at every
16 stream emanating from Earle. Because one of the
17 things that's kind of unique about Earle, is
18 there aren't actually any streams that start off
19 base, and pass through and continue on. Earle is
20 pretty much the headwaters for any of the
21 streams.

22 MR. MARSINIAK: It is the
23 headwaters, when you look at it, it is the
24 headwaters.

25 MR. KOLICIUS: We have six

1 different water sheds that are on the main side
2 area.

3 MR. GOEPFERT: Are there any
4 other questions or comments on Site No. 3?

5 MR. TURNER: Okay. Let's
6 move onto Site 10. Let's wait one second and
7 make sure we have all of our questions answered.
8 Okay. All right. We want to cover Site 10 then
9 and answer any questions. This is an
10 approximately two acre site. You can see it up
11 there where the yellow area is about in the
12 center of it. You can see once again the green,
13 like John Kolicius mentioned, is the over growth
14 of the pine trees probably that were put down
15 there maybe 15, 25 years ago, after the navy was
16 through disposing of this.

17 MR. KOLICIUS: One point you
18 didn't make on the last aerial, the yellow dots
19 on both of these pictures, are the locations of
20 the existing ground water monitoring wells.

21 MR. TURNER: All right. This
22 was also a former landfill. It was used for
23 metal waste from about 1953 to the mid 60's.
24 Once again, that's about 30 plus years, it's been
25 inactive 35 years. The type of material interred

1 here would be demilitarized munitions, in other
2 words, casings, rounds, from bullets and such.
3 In other words, as far as we know, there's no
4 evidence that any live ammunition was ever
5 interred there and none has been found there, and
6 there's never been any evidence that there has
7 been.

8 Once again, this two acre landfill
9 is covered by a very thin, in this case, thinner
10 than Site 3, but a very thin sandy soil covering
11 over the interred materials. And you can
12 actually find munitions casings scattered through
13 that area. A significant remedial investigation,
14 including these wells, which are represented by
15 the yellow dots, was performed including surface
16 soil sediments, sub surface soil sediments.
17 Those results once again were used for the human
18 health risk assessments, and ecological
19 assessments that were performed. That's all I
20 have for this slide.

21 MR. GOEPFERT: Okay. I just
22 want to mention that what you see off to the
23 right in that slide, was that open yard was used
24 as a lay down area for scrap metal, which we no
25 longer use it for. Also, if you see off on the

1 right hand side, next to that scrap metal pile,
2 there's a fenced in area, and I just point that
3 out where it is, the fenced in area here, that
4 was the site of our old hazardous waste storage
5 facility, which has been formally closed in
6 1999.

7 And we now have an indoor facility
8 to store our hazardous waste, a state of the art
9 indoor facility. So we're not using -- storing
10 barrels of waste oil or any other types of waste
11 outdoors any more. And as I said before, the
12 scrap metal yard has been decommissioned, and
13 also at the northern end of that site of that
14 yard there where you see the roof of the
15 building, was a furnace where small caliber
16 ammunition items were burned many years ago, and
17 that operation has seized operation back in
18 1990.

19 So it was also cleaned up, the
20 soils that bled through the soils, and it was
21 cleaned up to the residential standard of 100
22 parts per million in 1995. And the State has
23 bought off on the clean closure with that site,
24 so there was actually quite a bit of activity in
25 this adjacent area to this site No. 10. Thank

1 you, Russ. We have a question in the back.

2 MR. TAYLOR: Which way is the
3 ground water flowing?

4 MR. GOEPFERT: Could you just
5 introduce yourself?

6 MR. TAYLOR: I'm Steve
7 Taylor, I'm the manager of the Manasquan Water
8 Shed Management Group. And I'm wondering which
9 of those wells are down grading the others?

10 MR. GOEPFERT: The answer to
11 your question will become apparent in the next
12 slide.

13 MR. TAYLOR: Thank you.

14 MR. GOEPFERT: Oh, actually
15 the slide after that.

16 MR. TAYLOR: Do we have a
17 reference point?

18 MR. GOEPFERT: Yes.

19 MR. TURNER: All right.

20 There was one thing I wanted to mention, from the
21 aerial view to the north and the east are
22 sensitive wetlands, it's recognized that way.

23 MR. GOEPFERT: So that's the
24 general ground water flow is to the north and
25 east to the Hypoxin (phonetic) water shed.

1 MR. TURNER: This photo then,
2 like the last series, shows a recent photograph
3 of Site 10, the access road. And once again just
4 to notice the trees, the maturity of some of the
5 trees. Now, in this case, let's go to the next
6 --

7 MR. GOEPFERT: In this case,
8 this is just the access road as you're coming in
9 facing the north of the site.

10 MR. TURNER: Did we over your
11 question well enough for the ground water
12 direction?

13 MR. TAYLOR: Yes.

14 MR. TURNER: Okay.

15 Alternative (1), in this case, is the real no
16 action alternative, it would cost nothing. And
17 it really would be no measures implemented. The
18 Alternative No. 2, limited action, would include
19 institutional controls, access restrictions.
20 Institutional controls meaning a limitation
21 placed on the master plan, for instance, to keep
22 construction out. This was deemed during the
23 process that it didn't add any sufficient
24 additional protection of the environment or human
25 health, and it was not retained, therefore,

1 there's a zero there for the cost estimate.

2 The third alternative that was
3 carried through includes institutional controls,
4 but containment and installation taken of a cover
5 system, which would include low permeability
6 layer, which would probably be a membrane type
7 layer, or a low permeability -- like go
8 geosynthetic (phonetic) clay layer or something
9 like that. This as well would include the
10 fencing access restrictions classification
11 exception area, and the long term monitoring and
12 sampling that goes along with that over a number
13 of years, and the price is estimated at 1.3
14 million or a little bit more.

15 Okay. Let's move onto the navy
16 tonight, as I mentioned before, after
17 consultation with regulatory bodies, what we
18 propose is Alternative (3), which is a cover
19 system and institutional controls, clearing and
20 grading would be the first -- one of the first
21 steps of the actual installation. Additional
22 cover soils would have to be brought in, there
23 would have to be submitted erosion control
24 measures, to avoid washing of soils, because in
25 this case, since a complete impermeable membrane

1 would have to be placed over the former landfill,
2 just about all the trees and vegetation would
3 have to be removed pretty much. We figure about
4 two acres would have to be removed.

5 In addition, the grading and
6 revegetation and final cover would promote
7 precipitation run off, and limited erosion. In
8 this case, we show again the cable type fence
9 around the perimeter of the proposed cover
10 system, which would be the black line with the
11 x's, and the red line on the figure, the slide
12 shows the limits, approximate limits of the cover
13 system. In addition, there would be long term
14 monitoring, periodic review, and establishment
15 and maintenance of the classification section
16 here, and that pretty well rounds it out. Any
17 questions for either site?

18 MR. HAMMER: Who sets the
19 standards for your decision, the navy, or the US
20 Government, or a higher regulatory body? Does
21 the navy decide what you're going to do or do you
22 concur with the New Jersey DEP? I mean who
23 decides what you're --

24 MR. TURNER: It's a
25 cooperative effort really, you know, the process

1 leads from remedial investigation, and regulatory
2 bodies, NJDEP, Bob Marcolina (phonetic), is
3 generally available to anyone at these meetings.
4 And you know Jessica or her other person, EPA
5 project manager, have input all the way along,
6 from the remedial investigation through the
7 feasibility study, even the development of the
8 alternatives and checking the technologies, they
9 have input all along.

10 MR. HAMMER: So there's
11 really no place that decides -- it's a joint
12 effort then between the State and the --

13 MR. TURNER: I believe that's
14 correct.

15 MR. GOEPFERT: The process we
16 follow is the standard super fund process.

17 MR. HAMMER: That's --

18 MR. GOEPFERT: That's
19 spear-headed by the US Environmental Protection
20 Agency, with technical assistance from the New
21 Jersey Department of Environmental Protection.
22 Now, the navy,, we're the lead proponent on the
23 site, which means that we get to propose our plan
24 to remediate the site, and the EPA actually holds
25 the trump card, they can either approve or

1 disapprove our proposal; okay?

2 So based upon public input, if we
3 get written concerns or other comments, based
4 upon our funding constraints, what have you, we
5 propose the cure for the site. And once we
6 propose then, after intense regulatory review,
7 they will sign off in what they call a record of
8 decision. And from there, we can act, we can go
9 ahead and remediate the sites.

10 MR. HAMMER: So this is more
11 or less your public hearing.

12 MR. GOEPFERT: This is the
13 public hearing for these two sites. Yes, sir.

14 MR. HAMMER: An invitation
15 for comment.

16 MR. KOLICIUS: And again,
17 just to clarify a little bit in the record of
18 decision, and who actually makes the decision
19 that this is what we're going to do, the record
20 of decision in this case would be signed by Capt.
21 Shaw as the facility representative, the
22 commanding officer of the base, as well as the
23 regional administrator for EPA Region 2, which
24 covers New Jersey. And the Department of
25 Environmental Protection here in New Jersey, does

1 have input the whole way. If this was not a
2 Federally designated super fund site, they would
3 be more of the lead agency, and we would have
4 more of a direct say in the signing of the
5 decision. But in this case, with it being a
6 Federal designated Super Fund Site, as it was
7 listed back in the 80's, the EPA and Earle
8 jointly sign.

9 MR. HAMMER: So this is part
10 of your task more or less.

11 MR. KOLICIUS: We're required
12 to have a 30 day public comment period for this
13 proposed plan. The formal public meeting isn't
14 absolutely necessary, unless someone in the
15 public requests it. Generally we choose to have
16 a meeting, rather than waiting for someone to
17 request it.

18 MR. HAMMER: And you only
19 have two sites that are really concerned.

20 MR. KOLICIUS: At this time.
21 This is actually also known as Operable Unit 6.
22 We have completed some actions of four operable
23 units. We have another one in the works. And
24 there will probably be an additional remedial
25 action proposed at later dates, as funding and

1 the investigations proceed.

2 MR. GOEPFERT: I have a
3 complete book with all our sites to give you at
4 the conclusion of the meeting.

5 MR. HAMMER: These are the
6 most serious sites, is that it?

7 MR. KOLICIUS: We generally
8 try to work on a worst first basis. And Sites 4
9 and 5 were considered the most critical sites on
10 the base. And they were Operable Unit 1, those
11 landfill caps were completed several years ago.
12 They're now in a long term monitoring status, and
13 with EPA and the State, we have worked to
14 establish a hierarchy of what we can proceed with
15 at what time.

16 MR. HAMMER: Thank you.

17 MR. SMITH: On Site 10, how
18 extensive was your investigation as to what
19 metals were buried there?

20 MR. KOLICIUS: Were buried
21 there?

22 MR. TURNER: No, not
23 particularly, we did test it, but we found there
24 were typical munitions base materials, would be
25 the extent. We were more concerned with anything

1 that was leaching, so we ran a full sweep of
2 record metals, a long list of metals.

3 MR. SMITH: Strictly metals,
4 no mercury.

5 MR. TURNER: Yeah.

6 MR. SMITH: There was no
7 magnesium.

8 MR. TURNER: Oh yeah.

9 MR. GOEPFERT: All the tested
10 metals and constituents are listed in the
11 proposed plan reports.

12 MS. COAKLEY: A related
13 question though, for this site, it appears the
14 only thing you did is test for is the metals and
15 ground water.

16 MR. TURNER: Not correct.

17 MS. COAKLEY: At least the
18 copy I'm looking at, Site 3 has --

19 MR. TURNER: Look at the
20 tables.

21 MS. COAKLEY: The table (1)
22 says Site 3, table (2) says Site 3, table (3)
23 says Site 3, table (4) says Site 3, table (5)
24 says Site 3, table (6) says (10).

25 MR. TURNER: Table (2), would

1 be a current distribution of organic chemicals
2 and surface soils, (1) is organic and surface
3 soils, (3) is organic and sediments.

4 MS. COAKLEY: Again, look at
5 the site number.

6 MR. TURNER: Site 3, oh, I'm
7 sorry, we're talking about Site 10, I'm sorry.

8 MR. KOLICIUS: For Site 10
9 remedial investigation phase, we had looked at
10 all of the various possibilities and from that we
11 determined the metals were the contaminants of
12 concern at this site. We have looked for other
13 things such as solvents, pesticides, but in this
14 case, the metals were the contaminants of
15 concern, so from the feasibility study through
16 the proposed plan, we're discussing how to deal
17 with metals at this site. We're not going to try
18 to design a system to contain something that's
19 not there.

20 MS. COAKLEY: The others were
21 pre-determined not to be an issue.

22 MR. KOLICIUS: Right.

23 MR. TURNER: Our record is
24 about this thick (indicating).

25 MS. COAKLEY: I'm just trying

1 to point out what was different there?

2 MR. TURNER: We're zeroing in
3 on that.

4 MR. MEYER: Considering the
5 size of this site, would it be feasible just to
6 remove the contaminants, or is it something where
7 you can just remove the shell casings and
8 eliminate the problem, or have all the
9 contaminants already leached from them?

10 MR. TURNER: Oh no, no,
11 they're stable as they are, at least they appear
12 to be, because really not much is entering the
13 ground water. The navy feels that with the
14 addition of an impermeable layer, it will be that
15 much more protective of ground water, but to
16 remove the soil, remove the contents of the
17 landfill is fairly expensive. And it was looked
18 at the and ruled out early on, because of sheer
19 cost, and then disposal or recycling, it gets
20 complicated, and costly is the real thing I
21 think.

22 MR. MEYER: It's likely the
23 spent brass thing would be expensive because of
24 the contaminant in it.

25 MR. TURNER: Well, it would

1 be because of digging it up and hauling it some
2 place to have it smelted and separated from the
3 dirt. It's not a simple job. It just doesn't
4 work out cost wise.

5 MR. MEYER: I just was
6 wondering whether it would be cheaper than the
7 long term monitoring just to clean it up and be
8 done with it.

9 MR. TURNER: It was
10 considered. This is -- we tried to come up with
11 the inexpensive method that is considered
12 protective of the environment and human health.

13 MR. MARSINIAK: A question.
14 You must have shells coming in now; right?

15 MR. TURNER: For this
16 landfill, no.

17 MR. MARSINIAK: I mean no,
18 the base itself, I mean I'm stepping ahead of
19 myself, here, you must have other materials
20 coming in off your ships, what are you doing with
21 that material?

22 MR. GOEPFERT: Any metals
23 that's recyclable is sent for recycling. We do
24 not do any active dumping on the base.

25 MR. MARSINIAK: Okay. No

1 active dumping on the base.

2 MR. GOEPFERT: No.

3 CAPT. SHAW: This material
4 was from a demilitarization of old ordinance,
5 from a facility, he pointed out where we used to
6 have a demilitarization furnace. That furnace
7 was dismantled back in 1990, this dump site was
8 adjacent to that, it hasn't been used for many
9 years. But what it was, was old ordinance was
10 furnaced, the explosion material burned out, and
11 then the spent cases dumped We don't have any
12 demilitarization ordinance operations going on at
13 this station.

14 MR. MARSINIAC: I tell you
15 something, Captain, my house was demilitarized.
16 I owned one of the houses. I lived in one of the
17 houses from the base.

18 CAPT. SHAW: Okay.

19 MR. KOLICIUS: The main thing
20 as the captain stated is the --

21 CAPT. SHAW: The operation
22 that would generate that waste is not there any
23 more.

24 MR. MARSINIAC: Okay. That's
25 what I was just wondering, you've still got

1 10,000 acres and you're going to be using, what
2 are we doing? How are we balancing this out?

3 MR. TURNER: That's a good
4 point this out.

5 MR. GOEPFERT: That is a good
6 point.

7 CAPT. SHAW: I can explain
8 just real briefly, it really doesn't go to the
9 question of environmental, but the United States
10 Army now, several years ago, was tasked as the
11 single manager for all conventional ammunition,
12 and the Army is responsible for the end stage of
13 the life cycle of the all ordinance now. So any
14 conventional ordinance goes back to the army, and
15 the army has some very large contracts now
16 throughout the country, and some overseas as
17 well, to demilitarize ordinance.

18 MR. KOLICIUS: And actually
19 the decision to take this furnace out of the
20 system, in addition to the army taking on the
21 lead, there also was an environmental concern,
22 because as some of the environmental rules came
23 into effect, this type of furnace couldn't meet
24 some of the air emission standards, which is part
25 of the reason the decision was made to dismantle

1 it.

2 CAPT. SHAW: Exactly.

3 MR. MARSINIAK: No smoke and
4 stuff like that.

5 MR. KINKADE: You might want
6 to point out for the record, I mean, those of us
7 who have been working with you for a while know
8 this, but this particular site has some specific
9 contaminants of concern, or low levels in
10 concern. But the technique that you're proposing
11 is not new by any means, not only is it not new,
12 it's widely used and accepted. But it's also
13 been used on base in other operable units.

14 MR. GOEPFERT: As John
15 Kolicius mentioned before, we had two larger
16 landfills that were capped back in 1998. Those
17 two landfill jobs cost a total of almost five
18 million dollars. And they totalled about nine, 9
19 1/2 acres in size between the two of them, just
20 to put things in perspective, that's a good
21 point, Merwin.

22 MR. TURNER: And from
23 experience, we generally always find that to dig
24 and hull the whole thing and dispose of it, first
25 removing it elsewhere is frowned upon, and it's

1 more costly.

2 MR. GOEPFERT: Any other
3 questions?

4 MR. TAYLOR: I have a
5 question that's actually related to the soil
6 removal question. It's about how the landfills
7 were first formed, did they dig pits into the
8 ground and then dump into the pit, or did they
9 just throw the material on top of the ground and
10 then cover it? Because I read -- I think I read
11 in the report somewhere that some of the material
12 was found around two feet deep, which isn't
13 really that deep. So I got curious about how
14 deep the hole was, and if in fact there was a
15 hole originally.

16 MR. GOEPFERT: That's a good
17 question.

18 MR. TURNER: Yeah, what it
19 looks like is that in the case of Site 3, it was
20 on the site of an existing ravine, not real
21 steep, but one that goes out. And this landfill
22 seemed to have been pushed and a thin layer of
23 soil, sandy soil pushed on top of it. And then
24 when it got out to some distance, there was a,
25 you know, a fairly steep slope, and so it was

1 pushed on top of that as well.

2 MR. TAYLOR: So it was
3 material actual down the edge of this ravine, if
4 you want to call it that as well?

5 MR. TURNER: None exposed,
6 but we did do -- we did do a test bit to find the
7 limit of the landfill in that area, and it was
8 back quite a bit, so some fair amount of soil was
9 pushed beyond the last of the waste disposed
10 there. And so there was quite a bit of soil
11 actually beyond the last of the waste disposed
12 there. Does that make sense to you?

13 MR. TAYLOR: Yeah. So are
14 you saying that the soil was applied after the
15 material was there?

16 MR. TURNER: Yes. Yes. I
17 think it was just pushed on top and then pushed
18 over the edge to make an embankment there.

19 MR. MEYER: That's the old
20 style landfill, you back up to the edge of the
21 ravine, you dump it in, when you don't want to
22 get a hole in your tire, you throw some dirt on
23 top of it.

24 MR. TURNER: And it made it a
25 flat area, you know, which at one time was a

1 ravine. Any other questions? You guys have been
2 pretty easy on us so far.

3 MR. TAYLOR: You said that
4 these alternatives were proposed, when will you
5 know if these proposed alternatives are
6 accepted?

7 MR. GOEPFERT: We have an
8 open public comment period which extends to the
9 May 23rd. And we invite you to give us written
10 comments if you would like, if you wanted to
11 reexamine the report that we put out, the
12 proposed plan. We have a proposed plan in the
13 library, we also have one if you would like to
14 take it home and take a look at it. And so once
15 that public comment period ends, what we do is we
16 submit a responsive summary to the EPA, answering
17 all the public concerns, and then a meeting will
18 be held between the EPA and the navy, and the EPA
19 will basically decide whether the alternatives
20 that are proposed are going to be accepted.

21 We expect that process to take
22 probably 30 to 45 days after the close of the
23 public comment period. And with that schedule in
24 mind and the planning in store, we could probably
25 be out to the field as early at the end of August

1 to get started doing some of the field work.

2 MR. KINKADE: Is there
3 funding for that part of it?

4 MR. GOEFFERT: Funding has
5 been received this year.

6 MR. KOLICIUS: Actually, in
7 this case, just because of some of the things I
8 was saying as far as funding availability and
9 making sure that this project would go through,
10 we're confident because of the discussions we
11 have with EPA and DEP, that this is not going to
12 change significantly. I mean we may have to
13 tweek some of the proposals a little bit, but we
14 have actually gone out on a limb a little bit,
15 and contracted for the design and construction
16 already. We can make changes in the contract if
17 necessary, but in this case, we locked in the
18 monies so that this job will be done this
19 construction season. Mr. Jargowsky.

20 MR. JARGOWSKY: On behalf of
21 the RAB members that are here, I would like to
22 suggest a hand vote, a couple of us here,
23 relative to our support for this project. I
24 would like to support the project as defined for
25 Sites 3 and 10. Do you need a motion?

1 MR. GOEPFERT: Yeah, I'll
2 need a motion. But we had one other question I
3 think before we take that vote.

4 MR. HAMMER: I just was -- I
5 guess I'm repeating myself, but you have 29
6 sites, maybe more here. Could you describe a
7 little bit how you picked -- are these the only
8 two that were picked so far? I haven't been
9 involved in this before. Could you describe how
10 you picked these two sites?

11 MR. GOEPFERT: The sites were
12 picked back in 1983, and extensive study was
13 performed by interviewing employees on the base.
14 And people who had knowledge of some of the
15 operations on the base, military and civilian.
16 And based upon the information gleaned from those
17 oral history - that oral history project, and
18 also an examination of things like aerial
19 photographs and that sort of thing, an initial
20 judgement was made which sites required further
21 study.

22 And the sites that required further
23 study were those original 29; okay? And then
24 from that, we found about five additional sites
25 since that time that require further study. So

1 we have a total of about 35 sites that we're
2 carrying right now. Out of those sites we have
3 either put in place remedial actions or have
4 finished remedial actions on about 62 percent of
5 those sites, which amounts to about -- whatever
6 the numbers are, you know, about 20 of those
7 sites are now completed. So the remainder are,
8 we like to think as Mr. Kolicius mentioned
9 before, that we handled the worst first; okay?

10 These sites that we're looking at
11 now are towards the tail end of the five priority
12 sites. And we have one other site that we're
13 looking at later this year, that will be a
14 remedial design for Site No. 13, which is an
15 industrial type landfill. So by the end of this
16 calendar year, we should be about three-quarters
17 through our program.

18 MR. HAMMER: That's just the
19 investigative stage.

20 MR. GOEFFERT: No, the
21 investigative stage for the most part was
22 completed in 1995.

23 MR. HAMMER: Okay.

24 MR. KOLICIUS: The only
25 additional investigative work going on right now

1 is for some of these new sites that Greg said we
2 have discovered through one means or another.
3 Greg has actually actively gone after some long
4 term employees and/or retirees, to try to make
5 sure we're not missing anything. And in one
6 case, we had a situation where a hunter on the
7 base stumbled across something that didn't look
8 right. And he did the right thing, he notified
9 the Environmental Department and we found another
10 site we had to investigate. It was back in the
11 woods, in the middle of nowhere, but once we find
12 it with need to deal with it.

13 MR. MARSINIAK: Greg, that
14 what about the old bunkers that have been around
15 on the base for years, are those going to be
16 sites you evaluate later or you're working on
17 them today.

18 MR. GOEPFERT: We have no
19 intention of investigating anything with the
20 bunkers.

21 MR. MARSINIAK: I did work a
22 long time ago inside those bunkers, many years
23 ago. I see you pretty well got them spread out
24 here.

25 MR. GOEPFERT: Yes.

1 MR. MARSINIAK: You got the
2 best railroad system right now, better than
3 Central Railroad.

4 MR. GOEPFERT: Is there
5 someone who wanted to make a motion based on Mr.
6 Jargowsky's recommendation?

7 MR. KINKADE: Yes.

8 CAPT. SHAW: Did we answer
9 your question?

10 MR. HAMMER: Yes.

11 MR. KINKADE: I move that we
12 accept and support the proposal, the proposed
13 alternatives for Sites 3 and 10.

14 MR. JARGOWSKY: Second.

15 MR. GOEPFERT: Do we have any
16 discussion on the proposal by Mr. Kinkade? Any
17 other comments from the board members of the
18 public present? Okay. You want to just have a
19 vote on this, all in favor.

20 (Whereupon all members signify by saying
21 aye.)

22 MR. GOEPFERT: This is all in
23 favor of a proposal to the board to support the
24 alternatives selected.

25 MR. KINKADE: Yes.

1 MR. GOEPFERT: Okay. All
2 against?

3 (Whereupon there is no response.)

4 MR. GOEPFERT: Any
5 abstentions?

6 (Whereupon there is no response.)

7 MR. GOEPFERT: Then it
8 appears the motion is carried, the restoration
9 advisory board supports the alternatives proposed
10 the navy for Sites No. 3 and 10. So noted in the
11 record. Thank you very much. Okay. I'll just
12 continue with the remainder of the agenda this
13 evening. We have a community co-chair report by
14 Mr. Jargowsky.

15 MR. JARGOWSKY: Good evening.
16 Thank you, Greg. Basically I think what I would
17 like to do is just give you some perspective on
18 where we have been, where we have come from, how
19 we have developed, and where we see ourselves
20 going now with the restoration advisory board.
21 I'm a citizen member of the board, and I have
22 been involved with the board now for about four
23 years. Times flies when you're having fun. The
24 board has a lot of really fine individuals
25 involved such as Janet Coakley, she's an

1 excellent RAB member. Merwin Kinkade, from
2 Tinton Falls is here, he's another excellent
3 member.

4 And we're looking for some of you
5 who might be sitting out there right now to join
6 us as citizen members of the restoration advisory
7 board. The RAB overtime has been involved with a
8 lot of things. In fact, the navy has been
9 exceptionally helpful to us. Right from the
10 beginning, we had a pretty active dialog, and we
11 wanted to make sure before any fancy testing was
12 done, any where, at any site that every single
13 stream leaving the base was tested. And that's
14 how -- correct me if I'm wrong -- Merwin, but
15 that's how we started.

16 And we didn't want to deal with
17 surprises later, we wanted everything tested
18 right away, and to our total surprise and
19 amazement, the navy did it. And that set the
20 stage for a remarkable positive working
21 relationship with the navy ever since then. The
22 navy has been also very helpful with us, every
23 now and then they give us little demonstrations
24 on different little tidbits that they pick up at
25 Ocean front off of the old range on Sandy Hook

1 from years and years gone back, the old mines and
2 different things that washed up, and how their
3 EODP goes and helps the civilians out.

4 And we learn a lot with learn a
5 lot, the navy has been giving us lots of tours,
6 lots of opportunity for hands on seeing these
7 sites and getting involved. Why I'm saying all
8 this is that we are here tonight, we would love
9 to have some more people on the RAB; okay? And
10 it's not only just a matter of going to a
11 meeting, you know, there's opportunities galore
12 to learn and to actually see the sites. It's
13 quite interesting. If you haven't had a chance
14 to see the -- go on the safari tour on the bus in
15 Earle, you're really missing something. You'll
16 see lots of turkeys, lots of deer running around
17 the site. And it's the headwaters of all of our
18 water sheds or most of them in Monmouth County,
19 and it's quite a sight to behold.

20 So with those few words, I would
21 like to thank Capt. Shaw, he's coming right along
22 following the navy tradition of strong
23 environmental stewardship. When this whole RAB
24 concept got started there was a meeting held up
25 in Boston, that we went up to, and all the armed

1 services were there at this big meeting, this
2 kick off meeting. The strongest environmental
3 message of all the services came from the United
4 States Navy, and it was strong. And you know
5 basically that set the spirit and tone, the way I
6 read it, for the whole navy. And I don't see the
7 same degree of activity and tenacity to the
8 environmental problems with our colleagues over
9 in the army as we do with the navy. The navy is
10 holding the flag high, so thank you very much.

11 MR. GOEPFERT: Thank you,
12 Lester. And following with that, I would just
13 like to give you an update of some of the
14 outreach efforts that have taken place over the
15 last three or four months that I tried to pursue
16 based upon the recommendation of Mr. Kinkade and
17 Mr. Kolicius and the rest of the board from their
18 meeting in St. Louis in November. I prepared a
19 presentation for the Monmouth County
20 Environmental Council back in, I believe it was
21 February, and Mr. Kinkade was present. And the
22 Monmouth County Council enjoyed a presentation
23 about all our sites on the base.

24 In March, I went to the Manasquan
25 Water Shed Group, Mr. Taylor (phonetic), who is

1 the manager of that group was present, along with
2 his -- most of the membership and Mr. Marsiniak.
3 And we had a very interesting evening, discussing
4 about all of our sites, and opened up some eyes
5 as to, you know, how far we've progressed in our
6 program. I did invite people out to a site tour
7 on the 28th of April, unfortunately we were a
8 little light in participation, however, we had
9 two distinguished gentlemen from Colts Neck that
10 showed up who enjoyed the tour, one who was a
11 Naval Weapon Station Earle retiree, and the other
12 gentleman is on the Environmental Commission of
13 Colts Neck.

14 So we were very pleased to have
15 them with us. We wish we could have more people
16 to enjoy some of the progress that we have been
17 making. We have also sent forward to our on the
18 major command an information packet that
19 describes all of our sites, to try to make things
20 a little bit more accessible to the public. We
21 do have a public repository of all the
22 information on our sites at the Library in
23 Shrewsbury, that's the eastern branch of the
24 Monmouth County Library. However, for those
25 people who have become more computer literate, we

1 have attempted to put together a web site where
2 some of this information can be accessed, and
3 that is something that's in progress right now.

4 And further, we have -- there was a
5 conference in St. Louis, which Mr. Kinkade and
6 Mr. Kolicius had attended, and they had come back
7 with some very interesting dialog recommendations
8 for our group, some of which we have adopted.
9 And Mr. Jargowsky and I will be attending another
10 national conference that's more navy focused next
11 weekend, and that's going to be a national navy
12 type initiative. So we look forward to reporting
13 to you at our next meeting what recommendations
14 came out of that. Lieutenant Wexler, our new JAG
15 officer has reminded us that we are the second
16 largest in geography, the second largest military
17 facility in New Jersey, with Fort Dix being
18 number one. We're the second largest military
19 base in land area in New Jersey.

20 And we have quite a good program of
21 environmental restoration going on, and we also
22 are attempting to comply as best we can with all
23 environmental laws. So we want to make sure that
24 the base continues to enjoy -- not only as a
25 military facility, but for the resources that are

1 out there. So if anybody would like to be a
2 little bit more involved with the group, I have a
3 community interest form that you could take back
4 with you. Even if you can't attend all the
5 meetings, we would like to see you come to some
6 of them. And we also have a site summary booklet
7 that you can feel free to take home and look at,
8 at your leisure. So does anybody have any other
9 questions of our outreach efforts? Okay. Thank
10 you very much.

11 I just want to go over some of the
12 progress on some of the active sites that we have
13 after remediation. Site 16(f), what you're
14 looking at here is the inside of the trailer that
15 contains the process equipment to treat water
16 that has been impacted by an underground oil
17 spill. And there was a line, a broken line that
18 was evidenced several years ago where we found
19 oil in the ground. And this is labeled as Site
20 16(f), and the remediation work that we have
21 going on there is basically an oil and water
22 separation process. And what we are doing is
23 bringing the water with the oil out of the
24 ground, and separating the oil out.

25 And this process is called

1 bio-slurping, it's basically a pump and treat
2 type system. And what happens is we recover the
3 oil, we recycle the oil, and the clean water gets
4 sent through a filter system, and sent back to
5 our waste water treatment plant.

6 MR. SMITH: What type of oil
7 is that?

8 MR. GOEPFERT: Diesel fuel.
9 This was diesel fuel to fuel our locomotives for
10 the railroad. There was kind of a long run of
11 line, there was about a half of mile run of line
12 that ran from the storage tank, the underground
13 storage tan to the actual dispensing location,
14 and that was the line that had ruptured. To date
15 we have recovered about 4,000 gallons of oil in
16 this process, adjacent to this, we have a trailer
17 on site. The navy is finished with the process
18 equipment at this site, the navy will be able to
19 take the process to another navy site or another
20 Department of Defense site where they can use the
21 same equipment over again. The building, one of
22 the buildings that are next to this process unit
23 --

24 MS. REED: Is this
25 self-contained?

1 MR. GOEPFERT: Yes, it's
2 self-contained.

3 MS. REED: It's like a mobile
4 home.

5 MR. GOEPFERT: Could you --

6 MS. REED: I said it's like a
7 mobile home.

8 MR. GOEPFERT: Right. Could
9 you give us your name, please?

10 MS. REED: Carol Reed,
11 environmental committee (phonetic).

12 MR. GOEPFERT: Yes, it's a
13 mobile unit. Yes. It doesn't have wheels on it
14 now, but wheels can be put on it. So we have a
15 building that's adjacent to this Unit No. 1,
16 that's going to be demolished. It's a rather
17 large building that's about over 50 years old.
18 It's in a state of disrepair, and it's being
19 demolished in the June time frame. And after the
20 building is demolished, we're going to be
21 investigation the extent of the movement of the
22 oil underneath the building. And if necessary,
23 additional wells will be placed so that the oil
24 could be cleaned up under the old footprint of
25 the building.

1 MR. MARSINIAK: Where is
2 16(f) on this plan, is it down towards the ocean
3 or is it --

4 MR. GOEPFERT: No, it's at
5 the main base.

6 MR. MARSINIAK: It's at the
7 main base.

8 MR. GOEPFERT: Right.

9 MR. TURNER: That was the --

10 MR. GOEPFERT: It shows right
11 here, Mr. Marsiniak, right at that location
12 (indicating). This is the entrance to the base
13 (indicating).

14 MR. MARSINIAK: It's that
15 little strip.

16 MR. GOEPFERT: There you go.
17 Community involvement. And we have Site 16(f)
18 right here (indicating). So the bio-slurper,
19 what it does is basically remove the oil from the
20 water, and also -- it also adds oxygen to the
21 ground at the same time to enhance the biological
22 degradation of some of the oil that is still
23 remaining in the ground.

24 The next slide shows Site No. 26
25 and our deep cold winter that we had this year,

1 this is not a refinery, this is a remediation
2 site. And what it was -- it's actually a
3 refinery of our ground water. And we had a
4 series -- it's a system called soil vapor
5 extraction and air sparging (phonetic), we sparge
6 air into the ground. You volatilize the
7 contaminant, which is trichlorethylene and old
8 solvent, which was poured down a slop sink inside
9 this building on a regular basis, years ago that
10 was the standard method of disposing of that type
11 of solvent material. We do not do that today.

12 The material trichlorethylene has
13 been found in the wells at this site, in the
14 thousands of parts per billion range, which is
15 far above the New Jersey Quality Standard for
16 ground water. The air sparging system has been
17 run successfully for three months this year so
18 far, and based upon our operations experience, we
19 experience a normalized reduction in
20 trichlorethylene concentration of 75 percent. So
21 on an average for the time that this system has
22 been running, we have reduced the concentration
23 in the more prominent wells at this site by about
24 75 percent.

25 Now, the remediation goal at this

1 site I understand is right down to the ground
2 water quality standard of (1). The initial
3 estimates was that this remediation effort would
4 take in the range of two to three years to
5 complete. But the initial results appear to be
6 promising, perhaps it will take less time than we
7 thought.

8 MR. KOLICIUS: The problem is
9 you always have to take the longest time to get
10 that last little bit.

11 MR. GOEPFERT: No doubt about
12 it, the last ten percent takes 90 percent of your
13 time, that's just a standard. Yes, Mr. Taylor.

14 MR. TAYLOR: Greg, you
15 mentioned that it was only operated for three
16 months. You kind of implied that their are
17 points in time when it's not operating for some
18 reason. Is that because of weather or is that
19 because of some other --

20 MR. GOEPFERT: Well, right
21 now, we have a contract renewal situation. And
22 the contract will be re-activated at the end of
23 this month, and it will be started up again, so
24 that we have some continuity. But that of course
25 has given the aquifer time to recover, and you

1 know, the initial stages might even be more
2 efficient after this relaxation period.

3 MR. KOLICIUS: The other
4 thing with this, even though the system is being
5 run by remote controls so that we don't
6 necessarily have to have an operator the whole
7 time, we are still only operating it during the
8 base's active operating hours. So if there would
9 be any kind of upset conditions, somebody would
10 be around to respond to it.

11 MR. GOEPFERT: So that's
12 basically the low down on Site No. 26. Any other
13 questions or comments? Basically, like I said
14 before I do have some community interest forms
15 here. If you would be interested in attending
16 more of these meetings, we would like to have
17 you, and put you on our mailing list. So please
18 feel free to fill out a form, you can send it
19 back to me, if you want, my address, the
20 station's address is on the bottom of the form.
21 If there aren't any other questions, I would ask
22 for a motion to adjourn.

23 MR. JARGOWSKY: So moved.

24 MR. GOEPFERT: We have a
25 motion adjourn. All in favor. Seconded.

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MR. KINKADE: Second.

MR. GOEFFERT: All in favor.

(Whereupon the members signify by saying
aye.)

MR. GOEFFERT: Thank you very
much all for coming, and thanks for the
hospitality, Janet, and our next meeting will be
scheduled for September 13th.

(Whereupon the hearing is adjourned.)

CERTIFICATE

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3 I, CORINNA TRUMPER, a Certified Shorthand
4 Reporter and Notary Public of the State of New
5 Jersey, certify that the foregoing is a true and
6 accurate Computerized Transcript of the
7 proceedings as taken before me stenographically
8 on the date hereinbefore mentioned.
9

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11 

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