```
Page 1
 1
                      FORT MONMOUTH RESTORATION
                          ADVISORY BOARD
 2
 3
                                          )
       IN RE:
                                          )
 4
                                             TRANSCRIPT OF:
       FORT MONMOUTH RESTORATION
                                             PROCEEDINGS
 5
       ADVISORY BOARD
 6
 7
 8
                               Thursday, October 2, 2014
                                Fort Monmouth
 9
                                455 Wade Avenue
                                Oceanport, New Jersey 07757
10
                                7:00 p.m.
11
12
     B E F O R E:
13
     WANDA GREEN - Army Co-Chair
14
     BRIAN CHARNICK - Eatontown Representative
15
     JOEL GRIMM - Monmouth Co. Health Department
16
     RICHARD GRUSKOS - Oceanport Representative
17
     FRANK BARRICELLI - Oceanport Representative
18
     LINDA RANGE - NJDEP Case Manager
19
     EDWARD DLUGOSZ - Eatontown Representative
     FRANCES OWENS - Resident Representative
20
2.1
     ALSO PRESENT:
2.2
     Allyson Kriney - Parsons
     Paul Feshbach-Meriney - Parsons
23
     Richard Simun - Parsons
24
25
       Job No. NJ1927481
```

TRANSCRIPT of the stenographic notes of the proceedings in the above-entitled matter, as taken by and before LYDIA F. McDONNELL, a Certified Shorthand Reporter and Notary Public of the State of New Jersey, held at FORT MONMOUTH, 455 Wade Avenue, Oceanport, New Jersey, on Thursday, October 2, 2014, commencing at 7:00 p.m.

12 Job No. NJ 1927481

2.2

Veritext/NJ Reporting Company

800-227-8440 973-410-4040

MS. GREEN: James Allen will not be here tonight. He called me, he has a medical issue going on, so he won't be able to make it. So I would like to go ahead and get the meeting started, and let's start with the Pledge of Allegiance.

(Pledge of Allegiance.)

1

2.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

21

22

2.3

24

2.5

MS. GREEN: Now, Jim usually does the voting on the minutes, so if I miss the right procedure, just let me know.

Okay. All right. I sent out minutes, and then we had a revision from Linda, and that's why you have -- the writing is in red of what Linda added. If you need to take a minute to look at the revised minutes, you can at this time. Just let me know when you're ready, and we can vote on whether or not you accept the minutes or if any changes need to be made.

(Pause.)

MS. GREEN: Do you need more time? Are you ready?

Okay. Does anyone have any comments on the minutes?

MR. BARRICELLI: Page 1, RAB members present, James Allen. Make that Public Co-Chair.

MR. DLUGOSZ: Community Co-Chair are the

Veritext/NJ Reporting Company 800-227-8440 973-410-4040

Page 4 precise words. 1 2. MR. BARRICELLI: "Community" Co-Chair is probably the correct word instead of "Public." 3 MR. DLUGOSZ: Yeah, I was told that once 4 5 upon a time. MS. GREEN: Anything else? 6 7 Ed. Use the microphone, please. MR. DLUGOSZ: I have numerous comments 8 9 on the minutes, and I would call -- I would like to 10 postpone any, what do you call it, reading or comments on the -- on the minutes until I've had a 11 12 chance to read the -- either the transcript or the --13 the tape of the proceedings. One reason is that some 14 of the items don't coincide with my memory and my notes, and two, there were a couple of things that I 15 16 felt that needed to be added, and I'm waiting on my 17 own OPRA request to be fulfilled. MS. GREEN: For the minutes? 18 19 MR. DLUGOSZ: No, one of the --20 MS. GREEN: Oh. 21 MS. RANGE: One of the comments in 22 there. 23 MS. GREEN: Oh. In regards to a 24 presentation? 25 MR. DLUGOSZ: Yes.

```
Page 5
                  MS. GREEN: Okay. Do we have to vote on
 1
 2
     that, or we'll just hold the minutes until he has a
     chance to review the actual stenographer's notes, is
 3
     what you're asking?
 4
 5
                  MR. DLUGOSZ: Yes.
                  MS. GREEN: Okay. We don't have to vote
 6
 7
     on that.
                  MR. DLUGOSZ: No.
8
9
                  MS. GREEN: Okay.
10
                  MR. DLUGOSZ: It's usually Jim who makes
     the decision on that.
11
12
                  MS. GREEN: Well, Jim's not here, so I
13
     say we don't have to vote on it. We can -- we can
     hold off on the minutes, and I can get that
14
     information to you.
15
16
                  MR. DLUGOSZ: Okay.
17
                  MS. GREEN: Does anyone else have any
     comments on the minutes?
18
19
                  MR. CHARNICK: Yes; I have.
20
                  MS. GREEN: Okay.
21
                  MR. CHARNICK: I noticed that the DEP
22
     made some comments before we actually read everything
23
     now, so...
24
                  MS. GREEN: No, I -- I emailed this to
25
     you guys.
```

Page 6 MR. CHARNICK: Yeah, but I -- I didn't 1 2 think that members, during the month, can change the 3 minutes. MS. GREEN: I -- that's why I sent them 4 5 to you, for you to be able to review them. MR. CHARNICK: Okay. I thought at the 6 7 meeting, the public meeting is when we make comments on those. 8 9 MS. GREEN: Either way. 10 MR. CHARNICK: No problem. No problem. 11 Okay. I was trying to read what 12 Mr. Potter -- some of the key points Mr. Potter 13 made -- Motter, I'm sorry. And on Page 2, there's an 14 attempt to sort of clarify some of the key points he -- he was stating there regarding the Monmouth 15 16 County 20-lakes study and the conclusions. 17 MS. GREEN: Excuse me. Can you put the mike closer to you. I see her ear trying to get to 18 19 you. 20 MR. CHARNICK: Regarding the -- the 21 Monmouth County 20-lakes study and the conclusions 22 where he said that the lake is clean, I guess, or -or within standards, and he also said it's not --23 24 (Reporter interruption.) 25 MS. GREEN: Wait a minute. Let Brian

Page 7 finish what his opinion is. 1 2. MR. CHARNICK: He said the County study on the graph was improperly done, because they 3 added the -- combined the contaminants, which is 4 5 clearly stated in the minutes, so that's a good point. But then he said the conclusion is that the 6 7 lake is not any worse than any other of the 20 lakes in the County. He made some statement like that, and 8 that doesn't seem to be in here, so that was my only 10 thing. So there are certain things he said that were 11 very important things to the audience here. 12 MS. GREEN: So --13 MR. CHARNICK: I -- I would --14 MS. GREEN: -- your comment is that you would like to add --15 MR. CHARNICK: I would like to add a 16 17 sentence to what Mr. Motter's comments are, is that in response to the question, he stated that from the 18 19 County data and the way that report was put together, 20 if done correctly, there was -- Wampum Lake is not 21 any worse than any other County lake. I thought 22 he -- does everybody agree that he said that? MS. RANGE: I don't remember how he 23 24 phrased it. 25 MR. BARRICELLI: I do.

Page 8 MR. GRUSKOS: I do. 1 2 MR. DLUGOSZ: I do, too. That's one of the reasons I wanted to review the -- these important 3 minutes --4 5 MR. CHARNICK: It's an important thing. MR. DLUGOSZ: -- and review the 6 7 transcript, because I don't think that's what he 8 said. 9 MS. GREEN: Rich, get the mike. 10 MR. GRUSKOS: Well, I just --11 MS. GREEN: Wait a minute. I'm sorry, 12 Brian. Were you finished? Let him finish, and then 13 we'll hear your comment. 14 MR. CHARNICK: Before the meeting, I 15 asked this nice lady, who's very carefully taking the 16 verbatim transcript, if she did these minutes and if 17 that's what was said, and she stated that she just takes the transcript and hands it to someone else who 18 19 listens to it and puts this sort of synopsis 20 together. Is that how it works? Like, who actually 21 prepares these minutes? 22 MS. GREEN: Ms. Allyson is preparing the 23 minutes. She prepares the minutes, and we have 24 someone else who does the stenography, and we have it -- a recording. So we have a lot of 25

```
Page 9
     information --
1
 2.
                  MR. CHARNICK: Okay.
 3
                  MS. GREEN: -- and Allyson is just
     taking notes as we are doing the actual meeting. So,
 4
 5
     if you're going -- if you would like to quote what
     Mr. Motter said and you would want that in the
6
     minutes, we can go back and add that. So instead of
     saying you heard he said X, Y, Z, what I can do is --
8
     is have her go back and listen to what the tape says
10
     or --
11
                  MR. CHARNICK: That's fine.
12
                  MS. GREEN: -- what the stenographer
13
     has, and we can add that.
14
                  So is that the reason why you wanted --
15
                  MR. DLUGOSZ: That's one of the reasons,
16
     yeah.
17
                  MS. GREEN: So do you still want it --
18
                  MR. DLUGOSZ: Yes.
19
                  MS. GREEN: -- or you want to -- okay.
20
     No problem.
21
                  MR. CHARNICK: And if anyone, then,
22
     disagrees or --
23
                  MR. BARRICELLI: No.
24
                  MR. CHARNICK: -- with what happened at
     that meeting or wants to add new information, we can
25
```

do that at this meeting. But we can't change what actually was said at the last meeting.

MS. GREEN: Not if we're trying to quote someone. Because I can actually give you a copy of what the stenographer said and email that to everyone, and then you can discuss it further.

MR. CHARNICK: Yeah, it was only that -I was only interested in that one point 'cause that
was, like, a game changer to several of the people
here, so --

MS. GREEN: I understand.

MR. CHARNICK: -- I just thought it should be reflected properly in the minutes.

MS. GREEN: I understand. And that's what we will do.

MR. CHARNICK: Okay. Thank you.

MR. GRUSKOS: Okay. Just -- just concerning that topic of the presentations made by Mr. Motter. He made reference to a study that was widely circulated but then later amended. Something about, like, decimal points were off on one -- some of the graphs, or like a key graphical depiction I think we've all been relying on. And I was kind of hoping at some point, even it goes beyond the scope of -- of the RAB, I was interested in getting,

actually, a copy of that amended 20-lakes study.

And it was -- it was my understanding that the individual pollutants had to be just plotted separately, rather than an algebraic sum of similar ones put together. I think that was one of the points that he was trying to make to us during his presentation that was key.

MR. DLUGOSZ: Right. He tried to -- he tried to separate the SVOCs, the -- what do you call it, the pesticides from the metals. And the impetus and the direction of my study or my -- my review of -- of his stuff and the presentation that I made was heavy metals only. So I -- and when he mentioned that there was a -- he did a graph, you would see the differences. I asked him for a copy of that, and he said, No, you'll have to do it yourself, essentially.

MR. GRUSKOS: Right. He made it sound as if the original author was gonna amend certain aspects of the document --

MS. GREEN: No, he --

MR. GRUSKOS: -- related to decimal point errors, is what I understood.

MS. GREEN: Yeah, the original author is retired from the County. So, no, he won't be doing that.

## Fort Monmouth RAB Meeting

Page 12 MR. GRIMM: There are no plans to amend 1 2 the site study. MS. GREEN: Well, we just heard from the 3 County. There are no plans to amend. 4 5 MR. GRUSKOS: But was there, I quess -it was my understanding there was some sort of a 6 7 statement added to the original study? MR. CHARNICK: You could find the 8 9 original study on the website. 10 MR. GRIMM: Yeah, the original study's on the website. 11 12 MR. CHARNICK: Yeah, it's on Google. Ιf 13 you put in the Monmouth County --14 MR. GRUSKOS: But as far as the amendment that was referenced by the DEP from the 15 16 last meeting --17 MS. GREEN: Frank is shaking his head. I believe Frank has a copy of it. 18 19 MR. BARRICELLI: Okay. What happened 20 was I sent corrections to Mr. Simun's on those pages 21 in the back where all the data sheets were. He put 22 that in a change that was issued in August 2012. If you go to the current version, and what Mr. Motter 23 24 said is correct, is that the corrections to the data errors was made, but no changes were made to 25

Page 13 graphical depictions. So, you know, it's like they 1 did half the job and didn't go back. 2. And I think the big point about the 3 graphical depictions was the inclusion of 4 5 hydrocarbons. Because that's where I mentioned the first time that the hydrocarbons caused a higher 6 spike and shouldn't have been included, because it 7 was masking the metals. And at no time do I remember 8 9 him saying that -- what I believe he said was the 10 contamination of Wampum Lake is consistent with other urban lakes in the state, not that it was less 11 12 than -- than any of the other 20 lakes. It was where 13 it is and what the numbers say, but it's consistent with other urban lakes, is the term he used. 14 15 MR. DLUGOSZ: If you just looked at the 16 metals, and I have at length --17 MR. BARRICELLI: Yeah. 18 MR. DLUGOSZ: -- I dispute that statement a bit. But that's why I want to --19 20 MS. GREEN: Well, we can go into that. 21 I will send the transcript, and we will have exactly 22 what he said, how he said it, and it will be amended and added to the minutes. 23 24 MR. CHARNICK: Thank you. MR. DLUGOSZ: Then -- then I --25

Page 14 MS. GREEN: So we won't go through his 1 presentation. I mean, I don't think we need to any 2 further. Everyone will be able to see it. And as a 3 matter of fact, when I email it to Ed, I will just 4 5 email it to the entire board so everyone will take a -- will have a chance to review it. 6 7 MR. DLUGOSZ: Would the -- the tape be made available to us? 8 9 MS. GREEN: Yeah, we can --10 MR. DLUGOSZ: I got an hour and a half. 11 MS. GREEN: You can make a copy of the 12 tape, yes. 13 MR. DLUGOSZ: Okay. Good. Thank you. 14 MS. GREEN: Linda, you had your hand up. 15 Did you want to comment on --16 MS. RANGE: No. I think Frank pretty 17 much covered it. MS. GREEN: All right. So it -- it 18 19 sounds like we won't be actually voting on -- well, 20 we won't be voting on the minutes tonight, anyway. So after everyone gets the transcript, you could take 21 22 a second look at the minutes and add whatever 23 comments you want to add, okay? 24 MR. DLUGOSZ: Thank you. 25 MS. GREEN: So we have a vote to put it

aside? Sorry. I'm doing things different tonight.

Jim was usually the...

Okay. I want to change the order of No. 3, because I believe that the first bullet will probably take a little more time, and I want to make sure we do get done on four -- I mean, Landfill Area 4 in.

As I stated in -- in previous meetings, what I'm trying to do is, whenever we have a final document, I plan to give a presentation on that document or have the contractor, Parsons, give a presentation on that document, to help you to understand what it is that you are reviewing when you receive your disc. Everyone should have received the M4 RI/FS, Remedial Investigation Feasibility Study in the mail, 'cause I mailed it out to everyone, and the actual UHOT disc was given out last week, and I just gave you another copy if you wanted to have another copy. If you want another copy of M4, there are more on the back table.

So we're gonna start with Paul from Parsons, who will be explaining -- going into a little briefing of the RI/FS for the M4 landfill. We're gonna hold all questions until after the presentation is complete. Paul.

2.

## Fort Monmouth RAB Meeting

Page 16 1 MR. FESHBACH-MERINEY: Okay. 2 everyone hear me? Is this on? 3 MR. DLUGOSZ: The mike, no. MR. FESHBACH-MERINEY: How about now? 4 5 Is that better? Okay. As Wanda said, I'm gonna be 6 7 giving you an overview of the Fort Monmouth 04 8 Remedial Investigation Feasibility Study, RI/FS 9 report. Slide 2. 10 So this is the agenda. There are five 11 items on the agenda. The first bullet, I'm gonna 12 describe the RI/FS process under the Comprehensive 13 Environmental Response, Compensation, and Liability Act, otherwise known as CERCLA, and then I'm gonna 14 cover the New Jersey Department of Environmental 15 16 Protection or New Jersey DEP Administrative Code 17 7:26E, which is also known as the Technical Requirements for Site Remediation. 18 19 The second item, I'm gonna give you a 20 little bit of a background of where Fort Monmouth MM-04 is located on the site, and then a little bit 21 22 of background history, and then close with a summary of the remedial investigation. And the remedial 23 investigation consists of those two components I've 24 25 shown here; the site characterization part, and then

the risk assessment part. And then, finally, close with the feasibility study summary.

So let me start off. Fort Monmouth was closed in September 2011 under the 2005 BRAC, or Base Realignment and Closure action, and BRAC requires that the RI/FS process, under CERCLA, be followed to close out these sites, so we're gonna do that.

In this case for Fort Monmouth, NJDEP provides the primary regulatory oversight, so we also have to comply with the NJDEP requirements to the extent possible. So Parsons is preparing the RI/FS reports to achieve the BRAC requirements and gain final approval of the documents by DEP. And as I stated earlier, DEP has primacy for regulatory oversight, and their role is primarily to review and approve the RI/FS reports and the other associated documents, and then provide approval of the final remedies and issue No Further Action letters for the sites.

So what's the RI/FS process? This is a quick summary of -- a very quick summary of the process. There are many manuals written and guidelines for it. But the RI/FS is a CERCLA process to evaluate sites, and usually sites that are not active. The remedial investigation component, the

first component of it is really the nature and extent of contaminants, so we do that work to define what are called "contaminants of potential concern."

Those are chemicals that may pose a risk on the site.

Those are also referred to as "COPCs."

Now, the COPCs are then fed into a risk assessment, and as a result of a risk assessment, you define what are called "contaminants of concern," or "COCs." Then those COCs become targets for remedial action on the site. And remedial action is defined or identified in the Feasibility Study section. So I've got three bullets there, and the process for the Feasibility Study is develop, and then screening of remedial alternatives, and if necessary, we can do treatability study investigations, and then, finally, you have a detailed analysis of all the remedial alternatives.

So the remedial investigation and Feasibility Study components gets wrapped into an RI/FS report, and that RI/FS report leads to what's called a Proposed Plan, and then eventually a Record of Decision. The Proposed Plan is a document that helps initiate the public involvement portion, and the Record of Decision just solidifies the remedy that's been selected for the site. So that's a quick

2.

2.2

summary of the RI/FS process.

2.

2.2

The next couple of slides are specific to -- to Landfill 4, FTMM-04. This one is what you've all seen. It's two portions of Fort Monmouth, the Main Post up to the -- to the right, and the Charles Wood area to the left, and that's the Garden State Parkway running north-south that's green on to the left.

This is a view of the Main Post area and you could see -- you could see we highlighted, with a red outline, FTMM-04 there in the left central portion of the Main Post.

So a little background and history of FTMM-04. It's a small site. It's 1.4 acres. It was used in 1955 to 1956 by Fort Monmouth as a landfill. It's been inactive since 1956. It currently has stable vegetated cover over the landfill material. The future use is passive open space per the Concept Plan in 2018, and I think that's it for this slide. A quick summary.

Here's a map of FTMM-04 that's in the RI/FS report. You'll see the red outline, the red dash line is the outline of the landfill. The landfill running north-south is Mill Creek. That runs north to intercept with Pochuck Creek, that then

Veritext/NJ Reporting Company

joins Parkers Creek to the north. You'll also notice there are -- I don't know if you can see the color, but there are blue well symbols there. There's three wells on the east side of Mill Creek, and then -- oh, excuse me. Four on the east side and two on the west side throughout the landfill.

The other thing you'll notice is there's a gray dash line, also, which is the former boundary of the FTMM-04 landfill before they had done the landfill investigation in 2008 to refine the landfill boundary; and the landfill boundary today is the one you see in the red dash line. To the north you'll see there's a couple other landfills, FTMM-03 and FTMM-05. Next slide.

So this is -- this slide is basically a summary of -- of the nature and extent of the -- for the results for the RI/FS FTMM-04. And -- and the site has been investigated by many varied programs from 1997 to 2011, and most recently during the baseline groundwork standpoint that was conducted in 2013. The geologic setting is pretty simple. It's topsoil, it covers about four to eight feet of landfill material, and then beneath that is natural material of the Hornerstown Formation, which is a clay and silt-clay material.

2.

The next set of bullets kind of gives you a feel for what the field investigations were like that were performed. The extent of the landfills were delineated by test pits and borings. As I mentioned earlier, that's when we went from the previous delineation that was in gray to the one that's in the final red dash lines that I showed you on the map before.

There have been a total of 66 near-surface and soil samples from 63 borings; 246 groundwater samples from up to six monitoring wells from 1997 to 2013; 159 surface water samples from up to four locations between 1996 and 2010; and then 13 sediment samples from six locations, and those were analyzed for PCBs only. And the last bullet there just indicates that there have been some background studies on -- on the site as well, and those were primarily targeted to metals.

So all the data that was collected for the RI during the Nature and Extent Investigation is compared to U.S. Environmental Protection Agency, or USEPA, regional screening levels and the New Jersey direct contact soil remediation standards, both the residential and the non-residential scenarios, as well as the impact to groundwater standards for

2.2

soils.

2.

2.2

So let's take a look at the chemical results from the RI Nature and Extent. The first bullet there is for soil. And the way I've divided this up is the first bullet -- sub-bullet under soil is COPCs that I mentioned earlier. That's the chemical potential concern. And then the next bullet is the New Jersey DEP standard. So it's kind of just showing results in comparison to these two different, essentially, criteria.

In terms of COPCs that were identified, there were nine SVOCs, two pesticides, and eight metals. So those will feed into the risk assessment that I mentioned earlier.

In terms of the standard -- the compounds that are above the New Jersey DEP standards, you could see that there are semi-volatiles, pesticides, and metals that were above the residential direct contact soil remediation standards. And then semi-volatiles and metals that were above both the non-residential standard, and the impact to groundwater standard for soil.

So the next bullet for groundwater, we took a subset of groundwater that was collected since 2008 as being representative of groundwater that's on

the site today, and no COPCs were identified in groundwater based on that analysis.

In terms of the comparison to the DEP standards, there were metals that were above the DEP standards, but those were attributed to background, and that has been -- the DEP has basically concurred with that attribution.

Surface water collected since 2010 and no COPCs identified, and no sediment, either.

So this slide summarizes the results of the risk assessment that's done. Again, that's a CERCLA risk assessment to require -- to meet the requirements of BRAC.

So that assessment is done to provide a quantitative evaluation of the risk associated with exposure to soil. In this case, we didn't look at groundwater, surface water and sediment, because there were no COPCs identified in those media.

We evaluated the noncarcinogenic and carcinogenic human health risks to soil for both the outdoor and the recreational user for both the current and the future exposure scenarios, and the results of the assessment showed that the soil at FTMM-04 meets the EPA's acceptable risk ranges.

The last bullet on here just summarizes

1

2.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

2.2

23

24

2.5

the fact that BEE was conducted for the ecological assessment in 2012, and it concluded that the site is unlikely to have deleterious effects on ecological receptors or habitats, and those conclusions are accepted by the DEP, and that was a site-wide study that was done on all of Fort Monmouth. So --

MR. DLUGOSZ: The BEE was?

MR. FESHBACH-MERINEY: The BEE, right.

This slide summarizes just the -basically the recommendation under the RI: "The
nature and extent of site-related contaminants and
associated risk to human health have been
characterized. But at this point, the full FS is not
recommended because the CERCLA risks to human health
and the environment are within the acceptable risk
ranges for current and future land uses."

So, in summary, there's no further action required under CERCLA; however, there are actions that need to be taken to comply with New Jersey requirements. And I've got a series of bullets here that list what those are.

First is a vegetated soil cap or cover to be placed over the landfill, there will be implemented institutional controls, or ICs, through the use of an LUC implementation plan and that plan

2.

2.2

2.5

will define the cap extent, the long-term maintenance associated with the cap, it will prevent residential use, and there will have to be a deed notice filed to document those land use controls, and then those land use controls will get biennial reviews to make sure that they are in place. I think that's my last slide.

MS. GREEN: You have a question? Just speak into the mike, please.

MR. DLUGOSZ: In general, are the CERCLA -- the grouping of standards and criteria that are mentioned in the CERCLA are, in general, less stringent than the DEP standards?

MR. FESHBACH-MERINEY: I would answer the question by saying they're just different. I mean, CERCLA allows you to perform a risk assessment that's tailored to the site. So you look at actual anticipated exposure scenarios, and each scenario would have, you know, a set of assumptions that go with it, for exposure to the skin, you know, dermal contact, et cetera.

The DEP standards, and maybe Linda can help correct me, they're not designed that way. They are risk-based, but they have a certain set of assumptions that -- that they apply everywhere in

2.

2.2

Page 26 1 terms of exposure. MR. DLUGOSZ: Can you characterize those 2. differences? What those risks are? 3 MR. FESHBACH-MERINEY: I -- I don't 4 5 think I can do that right here. I'd have to probably consult my risk assessment specialist for that. But 6 that's -- they're different. One is tailored to --7 the CERCLA process allows you to tailor to the actual 8 9 risk that occurred at the time of the exposure. The 10 DEP published a set of standards that applies to all the sites, and it might not be as appropriate to one 11 12 site versus another. But that's the -- that's the 13 number that the DEP uses. 14 MR. DLUGOSZ: When you're saying 15 "sites," are you saying Fort Monmouth as a whole, or 16 the different sites within Fort Monmouth? 17 MR. FESHBACH-MERINEY: I'm saying the sites across the whole entire state of New Jersey. 18 The New Jersey standards apply everywhere. 19 20 MS. GREEN: Any other questions? Rich. 21 MR. GRUSKOS: On your -- items on, like, 22 Page 13 where it had -- where it says "Vegetated soil cover (cap) will be placed over the landfill." Is 23 this somewhere, like, where it's trees, or no trees? 24 Does it matter in this particular case?

Page 27 MR. FESHBACH-MERINEY: Well, I'm gonna 1 try to answer that. I would guess there are no trees 2 associated with that because you usually don't want 3 trees on a landfill cap. But I --4 5 MR. GRUSKOS: Just a point to make related to that. You have this -- where you say 6 "prevent residential use," it's not a question of 7 recreational use? Like, the area can be freely 8 9 transited and used for other purposes? 10 MR. FESHBACH-MERINEY: Correct. It would be --11 12 MR. GRUSKOS: Just no building of 13 residential homes, for example. 14 MR. FESHBACH-MERINEY: Correct. Yes. 15 MR. CHARNICK: What about agricultural 16 That came up at the last meeting. Can someone have a farm there and grow things? 17 18 MR. FESHBACH-MERINEY: That's not 19 passive open space use in my view, no. 20 MR. BARRICELLI: On Slide 8, your map. 21 MR. FESHBACH-MERINEY: Yes. 2.2 MR. BARRICELLI: I'm not sure who -- it looks like they revised the boundary of FTMM-04, and 23 it no longer intrudes on North Drive. But I know for 24 a fact that one of those landfills is under North 2.5

Drive, because there's about a ten-foot patch that goes right across the road. When the pavers were putting that patch in, they tried to dig to stabilize it, and they found bottles and stuff that indicated that the landfill does extend under North Drive, right where the old line was. And that patch is still visible if you drive on North Drive right in that location.

MR. DLUGOSZ: At least from my view, FTMM-03 seems to intrude under the -- under the road.

MR. BARRICELLI: It's too far away.

It's very close to where Wilson Avenue is. So if you come in off Wilson and you go maybe ten, 15 feet, you'll see a patch that goes right across the road surface. And when they put that patch in, they dug down and found bottles and stuff like that.

MS. GREEN: Okay.

MR. BARRICELLI: And that was brought to them. The site -- they properly handled -- when they found the trash, they brought it to the site that you guys had over on the Charles Wood area. So -- I'm not too sure about that, but that's a change they made. That's important to FMERA. If they put a road -- because I think there's a road laying right through that area.

Page 29 MR. DLUGOSZ: This happens to be the 1 2 Eatontown section, also, so I appreciate that observation. 3 MR. GRUSKOS: I have one other question 4 5 concerning, like, the permitted cover. Since there's, like, a stream running through this, is 6 there a permitted amount of, like, stream backs --7 excuse me -- stream bank stabilization or stream 8 9 corridors? Is there any planting allowed besides 10 grass that might be deemed, like, stream-corridor 11 suitable? 12 MR. FESHBACH-MERINEY: I'm not quite 13 sure -- what are you saying, would we stabilize the 14 stream? 15 MS. GREEN: There's already a stream 16 bank stabilization for M-4. 17 MR. GRUSKOS: And that would be left in 18 place? 19 MS. GREEN: Yes. Yes. 20 MR. GRUSKOS: And then the other thing 21 was: Plantings of sorts along the stream. Are any 22 allowed, or is it something -- or is it just, like, a graded, grassy surface? 23 24 MR. FESHBACH-MERINEY: Well, you're getting into details that I can't answer at this 25

point. I don't know.

each landfill.

2.

2.2

MS. GREEN: Yeah. And that's what we discussed in the last meeting when we had the landfill presentation. As we are going into each phase for the landfill cover, there will be presentations here that will further explain to you the design in detail as to what we are planning for

As he stated in the landfill presentation at the last meeting, every landfill will be looked at individually. The proper grading for whatever material -- when they put the two feet of topsoil on it, it will be calculated properly, and as far as the -- the cover, there will be seeding that will be placed. We -- we aren't planning to plant anything, we're just planning to put seeding and let nature take its course like it did in the past.

MR. DLUGOSZ: Will it be native plantings or will it be grass? Because we know that on FM-3, for example, they did a good job of planting.

MS. GREEN: Well, and that's -- and I discussed in the last meeting -- well, I didn't discuss it with you, it was with another group. But I've been telling everyone and what I will explain to

you is that you will have an opportunity, as the public, to give your input for what you would want for the landfill cover. So there will be a presentation given to you to explain what is planned, and then you will have your -- your opportunity to, you know, give your opinion of what you feel.

MR. GRUSKOS: Okay. The reason I'm asking is I had -- outside of the scope of the meetings, I had asked someone at the DEP to explain to me the areas immediately along shorelines. And the answer that kind of came back was is if the landfill is far enough back from the stabilized shoreline, plantings could be allowed in that immediate shore area that might be trees or something like that. But it depends on how the broad brush is used in defining the landfills.

So it's almost like you could imagine the areas of concern, the inner lands will be back 20 feet rather than going right to the edge of a river or stream; you would have more flexibility in that 20 feet. So I'm sort of interested, as these plans are presented, looking for opportunities for more significant plantings along immediate streams, if possible.

MS. GREEN: All right.

MR. BARRICELLI: Okay. Another question about this vegetation. How badly was it disturbed when they did the riprap? Is there still enough left of what you had accomplished in the prior years letting vegetation grow? You had high-grass meadows, you had full woods. Is there enough of that left so we could get somebody from our towns in, let's say, Shade Tree type people? Because, you know, I'm just one person, he's one person, and we may -- would like to get some other people --

MR. DLUGOSZ: From Oceanport.

MR. BARRICELLI: Yeah, get people from Eatontown primarily, because both Eatontown and Oceanport have their landfills there. And have a tour for people so they could see what -- what you did originally so they'll have a better point to discuss this at. Because right now, we know what it was, and I think it was a good approach, and I'd like them to make their own decision.

MS. GREEN: Okay. The stabilization will not be disturbed. The grass, the trees and all that have grown from -- and there are several bushes. There's a lot of vegetation growing along the stabilization and we knew that was gonna happen and had plans for that. So if your -- your question is

## Fort Monmouth RAB Meeting

Page 33 whether or not you can have a tour, just put in that 1 2 request. MR. BARRICELLI: Okay. Yeah, because I 3 think both Eatontown and Oceanport should get more 4 than just us involved --5 MR. DLUGOSZ: Yeah. 6 7 MR. BARRICELLI: -- to look at vegetation. Parks-and-rec-type people to see what 8 9 they think. 10 MS. GREEN: Okay. MR. GRUSKOS: You know, and I had 11 12 broached that subject with several folks and the basic idea was to wait until the fall till the 13 14 foliage has dropped, because you'll get a better view sometimes with the leaves down or whatever. But I 15 16 thank you for that. 17 MS. GREEN: Well, in the fall you don't have as much of a problem because you could see 18 19 everything from the road. 20 Okay. Any other questions? 21 MR. GRUSKOS: I have one for Linda. 22 you'd wear your DEP hat for a second, how do you read these things, just as far as the presentation? 23 you have anything just from your viewpoint that you'd 24 like to just comment on it? 25

MS. RANGE: Well, I have reviewed it. 1 2 I'm -- I'm waiting to hear back from a couple of other bureaus before I complete my comments, but 3 overall, I've actually got very little comment to 4 5 generate from the report. There were a lot of samples collected from the surface material. Well 6 over the amount we would have required by today's 7 standards as far as characterizing the surface. So 8 9 it -- it provided answers to a lot of our questions. 10 MR. DLUGOSZ: I'm -- I'm -- I heard you 11 say that there were multiple drillings, and to 12 characterize earlier -- in an earlier event, there 13 was some trenching done to help define the -- the boundaries of -- of the lands. Were there any new 14 trenching done since that period of time? 15 16 MR. FESHBACH-MERINEY: Not since 2008, 17 no. 18 MS. GREEN: No. 19 MR. DLUGOSZ: Thank you. 20 MS. GREEN: And, Rich, just to expound a 21 little on your comment. What we're trying to do is 22 before a document is published, we are trying to keep in touch with the state during the process as we are 23 forming our drafts, we try to stay in touch with 24 Linda, ask her questions, to make sure we're on the 25

right path. Because we don't want to put out a document and Linda just say, No, this is a bunch of junk, we don't want this. So we do stay in touch with the state so that when the -- the report is complete, it should be what the state is actually looking for and expecting from us.

All right. Thank you, Paul.

MR. FESHBACH-MERINEY: Thank you.

MS. GREEN: Next, we have Rich, who will be giving the presentation on the Fort Monmouth ECP addendum. The unregulated heating oil tank called UHOT.

MR. SIMUN: Okay. Good evening, everyone.

All right. As Wanda said, my name is Rich. I'm an employee with Parsons. I will be presenting on the Addendum 1 ECP Report - Unregulated Heating Oil Tank Investigation Report. Next slide, please.

This slide is a brief overview of the presentation. It includes an introduction; the objective of the Addendum 1 report; provides a definition of UHOT and underground storage tank; provides a brief background/timeline of events; presents our technical approach to determine the

2.

UHOTs potentially present at Fort Monmouth; and provides an overview of the UHOT probability rankings that were developed by Fort Monmouth; and it concludes with a summary of the findings. Next slide, please.

Okay. The Addendum 1 ECP - UHOT

Investigation Report is an addendum to Section 5.4,
petroleum and petroleum products of the January 2007

U.S. Army BRAC 2005 ECP report for Fort Monmouth.

The information contained in the Addendum 1 ECP
report is the additional data that became available after the completion of the 2007 ECP report and the 2008 site investigation report.

Then, in 2008, the New Jersey Department of Environmental Protection had issued comments which required Fort Monmouth to further investigate USTs that were later determined to be UHOTs on ECP parcels 14, 28, 51, 76 and 79. Next slide, please.

Okay. These are the objectives of the Addendum 1 UHOT Investigation Report. The first objective is to present a summary of existing information related to UHOTs at Fort Monmouth. The second objective is to identify potential locations and quantities of UHOTs that potentially exist at the fort. Next slide, please.

2.

2.2

2.5

This slide presents the definition of a UHOT and a UST. So the definition of "underground storage tank" means "Any one or a combination of tanks as set forth in N.J.A.C. 7:14B-1.4, which is the petroleum storage tank rules. It includes appurtenant pipes, lines, fixtures, and other related equipment used to contain an accumulation of hazardous substances, the volume of which, including the volume of the appurtenant pipes, lines, fixtures and other related equipment, is 10 percent or more beneath the surface of the ground."

The definition of an "unregulated heating oil tank system" as defined by the New Jersey DEP means "Any one or a combination of tanks, including appurtenant pipes, lines, fixtures, and other related equipment used to contain an accumulation of heating oil for on-site consumption in a residential building, or those tanks with a capacity of 2,000 gallons or less used to store heating oil for on-site consumption in a non-residential building, the volume of which, including the volume of the appurtenant pipes, lines, fixtures, and other related equipment, is 10 percent or more below the ground."

So the Army began using the term "UHOTs"

## Fort Monmouth RAB Meeting

Page 38 to refer to the installations USTs used for heating 1 oil purposes after the completion of the SI in 2008. 2. Next slide, please. 3 These slides, we're gonna go through a 4 5 brief background timeline of events starting pre-1990, where the primary fuels used throughout the 6 7 history of Fort Monmouth had been coal, fuel, oil, diesel, and gasoline. And until the early 1990s, the 8 9 primary method of heating at Fort Monmouth had been 10 through the use of heating oil. So the majority of structures at Fort 11 Monmouth are heated by furnaces that were fired by 12 13 fuel oil stored in UHOTs for that individual 14 building. 15 And from the 1940s through the 1980s, 16 Fort Monmouth utilized UHOTs and aboveground storage 17 tanks as the primary fuel-storage method for heating oil. 18 19 Fuels were brought in by railcar, staged 20 in two large ASTs prior to being transported to the 21 individual UHOTs. Next slide, please. 2.2 From 1990 to present: In the early 1990s, Fort Monmouth developed a program for managing 23 24 approximately 474 active USTs throughout the 2.5 installation. That includes the Main Post and

Charles Wood area. The tank program included UHOTs, USTs and ASTs.

UHOTs were removed when buildings were being converted to natural gas, and closure reports were prepared when UHOTs were removed. The closure reports were further submitted to NJDEP if evidence of a release was observed.

Between 2003 and 2005, Enviroscan performed geophysical surveys for the Army Department of Public Works to detect and delineate possible UHOTs and construction debris at the 200, 400, 700, and 800 areas. The Phase I ECP was conducted between 2006 and 2007 at Fort Monmouth and the results were documented in the January 2007 final ECP report.

Next slide, please.

By 2007, 371 UHOTs were removed and three UHOTs were abandoned in place. At that time, SI, which is site investigation, activities conducted by Shaw in late 2007 were performed to address recommendations made as part of the Phase I ECP. SI geophysical surveys, also performed by Enviroscan, were carried out to identify the absence or presence of UHOTs at ECP parcels 13, 14, 15, 27, 28, 51, 76 and 79. The geophysical survey results along with other outside sampling activities were documented in

2.

the July 2008 final SI report prepared by Shaw.

Following 2008, Fort Monmouth and the DPW developed a Microsoft Access database that was the synthesis of real property cards for existing and demolished structures; also included available maps and diagrams. So that information was compiled together, and using that information, the following terminology was developed for the database, which included suspected UHOTs, which is an object that may be a UHOT based on field observations; a potential UHOT, which is an object that, based on a review of maps, real property records, and aerial photographs, shows a strong degree of being a UHOT at a given location. Next slide, please.

Then in October 2008, that's when the DEP issued comments on the SI report which required further investigations for suspected UHOTs identified during those geophysical surveys at the ECP parcels.

Then in April 2009, a letter to the NJDEP at Fort Monmouth had indicated that further assessment and delineation of the UHOT discrepancies were required for the parcels identified in the ECP.

Between 2008 and 2010, prior geophysical data for ECP parcels 13 14, 15, 27, 28, 51, 76, and 79, and the 200, 400, 700, and 800 areas, only

through 2003 through 2005, were reanalyzed using updated software, which indicated that several previously detected electromagnetic anomalies had sufficient characteristics to be UHOTs. So, following the reprocessing of that data, additional geophysical survey field activities were performed at various locations between 2007 and 2010 and concluded that those EM anomalies could be suspected UHOTs.

Next slide, please.

Concurrently as that data was being reprocessed, the Fort Monmouth DPW compiled and georeferenced historical information which included the real property records, aerial photographs, and historical site maps concerning the location of fuel oil tanks on Fort Monmouth and compared it to the results of Enviroscan's geophysical surveys, which revealed a need to further refine the geophysical methods.

They also conducted field verification activities between 2008 and 2011 at locations where suspected UHOTs were identified based on the geophysical surveys. Those field verification activities included actual test-pitting to physically identify if a tank was present or not. So, under the direction of the Fort Monmouth Garrison, they removed

2.

2.2

2.5

three previously abandoned UHOTs, and 25 UHOTs were identified during the Fort Monmouth field verification activities and subsequently removed.

Closure reports for those 25 UHOTs were submitted to DEP in March 2012, and requests for No Further Action determinations were requested where appropriate. Next slide, please.

That gets us to current, which is the -this presents the technical approach that we use to
determine the amount of UHOTs potentially present at
FTMM. So this basically is our rationale for what we
used in the ECP addendum report to quantify the
amount of UHOTs that could potentially remain at the
installation. So it included a review of existing
UHOT data to determine how many UHOTs were removed
from the Main Post and the Charles Wood area.

The existing data included real property records for existing and demolished buildings; UST closure reports prepared by Fort Monmouth between 1990 and 2012; review of NJDEP NFA letters in Fort Monmouth files to determine how many UHOT removals were granted No Further Action approval from NJDEP; a review of prior geophysical survey reports prepared by Enviroscan to quantify the amount of electromagnetic anomalies on ECP parcels 13, 14, 15,

2.

2.2

27, 28, 51, 76, and 79, plus the other areas that could potentially correspond to the locations of UHOTs; and the results of field verification activities that were performed by Fort Monmouth in parcels 14, 28, 51, 76, and 79.

So that information was compiled into Table 1 of the Phase I ECP report, which is a summary of the information that we indicated on the slide.

Next slide, please.

Okay. So we used the UHOT probability and geophysical data that was provided to estimate how many UHOTs may remain at Fort Monmouth. The probability determinations were based on the data obtained from those records for the existing and demolished buildings and closure reports.

Real property records for existing and demolished structures indicate the heating system type, whether it be no heat, coal heat, oil heat, or gas heat, and it also included identification numbers and removal dates of known UHOTs.

Closure reports and No Further Action letters indicate tank identification numbers and tank construction material, whether it be steel or fiberglass.

And the estimated amount of UHOTs that

2.

2.2

2.5

remain at Fort Monmouth is equivalent to the sum of those high- and low-probability determinations which are depicted on Figures 2 and 3 of the UHOT addendum report. Next slide, please.

Okay. This is a little more detail on what the UHOT probability rankings are, or defines the UHOT probability.

So we have high-probability sites, where if a fiberglass tank was pulled and the building type heat was oil heat, no heat, or unknown, or if the building heating type was oil heat and no UHOTs were pulled, or if a fiberglass tank was pulled and the building heating type was oil heat, no oil heat, unknown, or converted from electric to coal, then a potential steel UHOT could be present.

Low-probability sites were sites if a steel tank was pulled and the building heating type was no oil heat or unknown, or if the building heating type was no oil heat or unknown.

Then we also had another set of sites which are considered No Further Action sites, which are sites where a tank is unlikely to be present.

And these include sites if a steel tank and fiberglass tank were pulled and the building heating type was oil heat, no heat, or unknown, or the site

2.

2.2

of a potential UHOT was assessed, excavated and an UHOT was found and removed. Next slide, please.

Now, this brings us to our summary of findings of the UHOT report. So the first table is a summary of the number of tanks previously removed prior to 2012. It includes both the Main Post and Charles Wood area.

So, based on our review of records, we determined that a total of 399 UHOTs were removed. Of those 399 UHOTs, closure reports for 262 were submitted to DEP. Of the closure reports submitted to DEP, 195 of those we were able to locate No Further Action approval letters for. And then the last column is number of removals not requiring closure reports. And those were UHOT locations where no observed discharges or leaks were observed by the Fort.

And of the potential UHOTs remaining, it includes 376 existing and demolished building locations at the Main Post and Charles Wood area that had a low or high probability of having associated unresolved UST.

There's also one UHOT previously discovered by Fort Monmouth DPW on the 1-3 Allen Avenue property, which is in the parcel 76, 200 area

2.

2.2

that was not removed due to structural concerns of a nearby building. And the results of the geophysical activities identified 73 electromagnetic anomalies on those ECP parcels 13, 14, 15, 27, 28, 51, 76, and 79, plus the 200, 400, 700, and 800 areas. But although Enviroscan characterized 61 of those anomalies as possible UHOTs and 12 as suspected UHOTs, no additional work was conducted to confirm those categories. Next slide, please.

In closing, the UHOT ECP report was compiled and was submitted for DEP review in July of 2014, and that's the end of the presentation.

 $$\operatorname{MR.\ DLUGOSZ:}$  On that summary of findings --

MS. GREEN: Wait a minute.

MR. SIMUN: In the meantime, I'll just add one additional detail: That those high- and low-probability determinations, they're depicted on Figures 2 and 3 of the ECP report. So if there's a question on the locations or what the building sites were, that corresponds to those locations in the ECP report.

MR. DLUGOSZ: The second line of the -- or the first line of the potential UHOTs remaining on the Summary of Findings, the 376 existing and

2.

Page 47 demolished buildings that have a low or high 1 2 probability, how many -- based on everything you've done, how many UHOTs are undiscovered or un-removed 3 remaining? You know, with the terminology, I can't 4 5 really make a determination, who's on first and what's -- what's left. 6 7 MR. SIMUN: Yeah, we believe there are 376 building locations with the potential of having a 8 UHOT present. 9 10 MR. DLUGOSZ: So there could be up to --11 up to 376 UHOTs remaining? 12 MR. SIMUN: Based on the information 13 available at this point, there is a potential for 14 376. 15 MS. GREEN: Anyone else? 16 MR. DLUGOSZ: With your -- your study 17 and your plan, over what period of time will those be determined if they are true UHOTs or -- and removed 18 19 and, you know, which ones are not? What's the 20 overall lifespan of what's remaining? 21 MS. GREEN: I can answer that. 22 According to our BRAC legal office, we're not required to remove the UHOTs in accordance with 23 24 CERCLA law. So it is not the intent of the ACSIM -the Army, I should say, to remove or investigate the 25

Page 48 1 UHOTs. MR. DLUGOSZ: If -- if I had a UHOT in 2. 3 my yard and DEP found that it was there, they would make me remove it. Is that not true? 4 5 MS. RANGE: If there was no reason to believe it was leaking? 6 7 MR. DLUGOSZ: Well, the assumption was that it was leaking. 8 9 MS. RANGE: If we know of a discharge, 10 then you are required to address that discharge. MR. DLUGOSZ: With -- with the analogy 11 12 of the potential of 376 tanks there, do you have --13 does anybody have a -- a reason why they shouldn't be 14 studied or drilled or whatever, to find whether they were leaking, or are we just saying that we're not 15 16 even gonna look at these any further? 17 MS. GREEN: Correct. That is what our 18 legal office is saying, because we're not required to 19 investigate. The state -- if we knew of a tank that 20 was leaking and there was potential contamination, 21 then, yes, we would be required to investigate and do 22 proper removal, just as we did with other sites. But because they are UHOT, and according to CERCLA law, 23 24 we're not required to perform any type of

investigation.

MR. DLUGOSZ: So there could be a 1 2 potential of all 376 leaking, and you're saying you don't have to do any investigation to see if they --3 if that's the case? 4 5 MS. GREEN: Correct. 6 MR. BARRICELLI: May I? 7 When I read that, I kind of got excited. I said, I don't know what -- well, NJDEP says there's 8 9 not evidence of leaking, they don't have to go after 10 them. So the question, then, I guess, goes to our two members who are on the FMERA Environmental 11 12 Advisory Committee to ask FMERA what they're gonna 13 do. Because if they're gonna inherit this property 14 or try and get this property from the Army, then they've got to tell --15 16 MR. DLUGOSZ: She's a member of that, 17 too. 18 MR. BARRICELLI: Okay. They've got to 19 tell potential bidders what may or may not be there. 20 And -- and then I would hope FMERA in their wisdom 21 would include that saying, If there is a tank buried, 22 you must remove it as part of the redevelopment. see no reason why to leave 370 -- potentially 376 old 23 24 tanks in the ground when you're gonna have big

bulldozers redeveloping the post anyway.

So that's really not -- if this is what 1 2 CERCLA says, then as a RAB, you know, we don't deal with it, you as FMERA EAC people deal with FMERA on 3 this issue. Is that a fair assumption? 4 5 MR. GRUSKOS: It's hard -- it's hard to speak -- just from what I've seen so far, it's hard 6 7 with the Environmental Advisory Committee. Because in that situation, FMERA may not want to take 8 9 ownership of certain pieces of properties with --10 with problems, right. The other things are -- the alternatives 11 12 are often, like, a potential buyer would use this in 13 negotiation as to the selling price of a particular piece of property, and in some cases, they may find 14 they might just try to negotiate a lower price with 15 16 these done. So they have their own due diligence 17 that they go through. And my only question, I guess, for Wanda 18 19 would be -- and for Parsons is, the locations of 20 these 376, is that just the detail of something they 21 would have access to during their due diligence? 2.2 MS. GREEN: Yes. It's in the actual

MR. GRUSKOS: Right. But I'm saying, a

report, and you have it on the discs that were

distributed.

23

24

Page 51 potential buyer would have access to that? 1 2. MS. GREEN: Yes, because it's on the 3 website, and I'm sure when they go to FMERA and get any type of information from them, that is what they 4 5 would get. But it is part of the public record. MR. GRUSKOS: It's part of the public 6 7 record, so they're going in eyes wide open. 8 MS. GREEN: Correct. 9 MR. GRUSKOS: Okay. And I think the 10 other issue is if something is found. Now -- and I have a question for Ed as it relates to the 11 12 individual towns as things move forward. I'm not 13 sure how Oceanport/Eatontown deal with the issue of tanks abandoned in place without actually being 14 15 abandoned properly. 16 Now, I had fuel oil tank at my house, I 17 had to take it out. They wouldn't let you abandon it in place. The soil had to be tested and all these 18 19 other things. 20 MR. DLUGOSZ: Absolutely. 21 MR. GRUSKOS: So that there's part of 2.2 this thing, I think, that goes maybe beyond the --FMERA's activity into the individual towns, you know, 23 24 but I do think there's a chance where potential

bidders, knowing this, would try to negotiate a lower

price saying, I'll take care of it. I'm buying it as is. You know, with that -- with that in mind. I'm not saying that's a wise decision, it's just these are just tasks that might come up.

MR. DLUGOSZ: I know that -- that

Eatontown doesn't -- doesn't smile or they do frown upon leaving things abandoned in place as a -- as a rule, so that part of it is true. But this situation is maybe complicated a little bit more, as you remember from our FMERA meetings most recently.

There's a plot afoot for the Army -- I mean, for the state through the FMERA offices to purchase all of Fort Monmouth as a whole and then, you know, the Army can sign off. But there's -- you know, there's this kind of issue that seems to me that -- you know, that is an unwise thing to do, you know, if we -- if we go that -- if FMERA and the state go that route.

MR. GRUSKOS: I basically would suggest that Ed, Linda, and I bring this up in the next FMERA meeting, Environmental Advisory, next Monday, just to raise it as a topic.

MS. GREEN: Okay.

MR. DLUGOSZ: We -- we had this issue back in 2008-2009 when we found, I think, the site survey with the -- some of the echoes and -- and the,

2.

2.2

what do you call it, magnetic findings. There were 22 USTs found, and the -- again, CERCLA, and I guess it was the BRAC administrator said that they could be left in the ground, and that was overturned by popular -- there was actually more. I think they did more than they said they would or found more than they originally...

MS. GREEN: There was originally 24 and we found 25 and it was removed under IMCOM because the Fort Monmouth Garrison also wanted to remove the tanks. The BRAC -- BRAC wasn't really -- BRAC didn't really have authority over the installation until after September 15, 2011. So the IM-COM Commander said that he would go ahead and do that removal, so that's how that happened.

 $$\operatorname{MR.\ DLUGOSZ:}\ Well,\ I\ --\ I\ think\ it\ was$  wise, and this determination seems counter-productive to selling the sites.

MR. GRUSKOS: Selling the sites to obtain the best return for the Army. It would pay for them to sell properties with, you know, no encumbrances of any kind.

And I just have a question for Linda. So within DEP regulations, like presented with this material where there might be this number, how does

2.

that relate to your -- how do you read that? I hate to do this, but you're my stereotype for --

MS. RANGE: Obviously, it's not the ideal for us, but I understand. BRAC follows CERCLA, CERCLA does not regulate UHOTs. They have no choice under BRAC funding, they do not have funds to deal with the investigation of the UHOTs, and we do not have the regs to enforce them to do anything when they give us -- when there is no evidence of discharge. If there was evidence of discharge, that would be a different story. But we can hope that this 376 is a very pessimistic number. Maybe there's very few tanks there. This is just a worst case scenario.

MS. GREEN: And I want to speak on how the numbers actually came about. Just to give you a brief history: What happened was when we were investigating Site 79, which was in the 400 area, that was based on ECP Phase I, what they thought was there. The 400 area, 200, 700, and 800 areas had previously been investigated by Enviroscan.

Geophysical surveys were performed. What we found --when we looked at the 400 area, where they said that there were potential tanks, there wasn't. They had false positives and false negatives. So that made

2.

us -- folks who were in -- actually, the UST program managers did a little further investigation themselves.

We went and looked at the previous reports that were performed in the 700, 800 area. Those reports were done because before BRAC, we had a program called the RCI, Residential Community Initiative that -- big plans that they had for Fort Monmouth, then we were BRAC and all of that was put aside, but we still had the reports.

In those reports the Enviroscan report showed areas where we believed that there were USTs based on an old map. This map was not part of the ECP. It was back in 1940, or something like that, where it showed more barracks than any of the other maps that we had on file. So that started an investigation.

Then we had what's called "white cards."

A white card is a -- a brief description of every

building that was ever built on Fort Monmouth. This

was in our master planning. It's a -- it was a whole

catalog and it's literally white cards, it wasn't any

electronic information that we had. We had someone,

and it took him about a year, go through every single

white card. He had to look at what the heating

2.

source was for the building, what year it was built. If it was a heating source that was just coal, and then they demolished the building, then that wasn't put as a probability.

But what we found was that there was several areas on this map that wasn't previously identified where there used to be barracks. There were barracks in several locations throughout Fort Monmouth. When we have -- we when we look at our records of where we removed tanks, we found that the records show that we removed steel -- I mean, fiberglass tanks. What we found was that there was actually steel tanks at the same location. So we can say Building -- well, the building we're in, Building 455, for example. We removed the tanks at 455.

So when I go to look at Building 455, I say, Oh, the tanks have been removed. But in this further investigation, what they found is that, yeah, there were fiberglass tanks removed. But when they installed tanks, they installed steel tanks. And sometimes they may have installed a steel tank -- a fiberglass tank right next to -- well, not right next to, but in close proximity of the steel tank. So what we found was that we have a record of the fiberglass tank, but because of the age of the

2.

2.2

building, there should have been a steel tank removal performed also.

So that -- those types of probabilities were high probabilities, and that's what they list there. So that's why the potential was based on the old maps that we found. We found a couple of old maps. It was based on the white cards, and also the problem we had with Enviroscan with them giving us so many false positives and false negatives. What the folks at the time did was they just took a regular metal detector. They went out and found tanks that Enviroscan said wasn't there because of the anomalies that they were identifying due to the size of whatever anomaly there was. They would say there was a tank when there was -- there was a tank and it wasn't.

And then what they told us was the problem was that because we had -- there might be a concrete foundation that -- that, you know, showed something that wasn't, or because of utilities that were underground. So we had a lot of problems with what Enviroscan was telling us in the first place. So that's why we took all of this information and put it together.

When we initially started this UHOT

2.

2.2

addendum, we had someone to input all of this 1 2. information where the maps that you see, you could click on that map and that will take you to how we 3 came to that probability. In two thousand --4 5 September 15th, 2011, we found that someone -- well, I shouldn't say "someone." Strike that. 6 7 Something happened, and I told you this before, to one of our major drives, and it wiped out 8 9 everything. We had this in draft form, some of this 10 information, and we've put it all back together. 11 Parsons put it back together and have given us maps. 12 I can't find those maps. We still have the white 13 card information. Some of the other information that we used to build the probability for these sites we 14 15 don't have any more. So yes, there has been 376, and 16 that does include Charles Wood potential sites there. 17 Whether or not it's there or not, you have to look at the probability cause that was made for that 18 particular site. Does that make sense? 19 20 Any other questions? Ed, you had 21 another question? 2.2 MR. DLUGOSZ: No, I was just thinking, you know -- it seems sort of a loss of -- assuming 23

that there's no pollution, without observing whether

there's any leakage, you know, just like the

24

## Fort Monmouth RAB Meeting

Page 59 landfills, you did borings. It would seem to me 1 2 prudent to do borings in the most probable or the most potential ones to determine, you know, 3 whether -- whether your assumptions are correct. I 4 5 think 376, or even half of that, is a huge number and, you know, not -- not testing it is sort of a 6 7 dereliction of duty in some ways. MR. GRUSKOS: This would be very 8 9 interesting to see what FMERA reads out of this does, 10 you know, next week. 11 This is complete hearsay, but someone 12 that I knew that did the scan study, they used to 13 have all sorts of problems with sunspot activity, 14 which was terrible. There were certain days you just couldn't work because of false positives and such. 15 16 It just became, like, an extraterrestrial event. It 17 just made it impossible to work some days. It was 18 crazy. 19 MR. DLUGOSZ: The Enviroscan, was 20 that -- was that the downward-pointing radar, or was 21 that the, you know, super -- super metal detector? I 2.2 can't remember which. 23 MS. GREEN: Yeah, I think they actually 24 have it in here. It was an electro -- EM -- yeah, 25 electromagnetic.

Page 60 MR. DLUGOSZ: They also, I recall, had 1 2 radar -- downward-pointing radar that helped with 3 that scan. MR. CHARNICK: Yeah, ground-penetrating 4 5 radar. MR. DLUGOSZ: Ground-penetrating radar. 6 7 MS. GREEN: When we brought them back, they actually tested the 400 area three times and 8 still -- we didn't tell them what we found when we 9 10 just used the metal detector, and they still got it wrong. So that's why we couldn't -- we decided not 11 12 to just go by what Enviroscan reported and told us in 13 the past, and did further investigation. 14 Anyone else? 15 MR. CHARNICK: Nope. 16 MS. GREEN: Okay. Just for the RFP 17 status, we are continuing, as I said in the last meeting, we have Public Health Command, who is 18 19 looking at the risk assessment for the site -- oh, 20 and thank you, Paul and Rich. We're looking at -- we're -- we have our 21 22 reports now under review by the Public Health Command. I do not have another RI/FS available at 23 24 this time. When -- once the next one is finalized, I

25

will be getting that to you.

Page 61 Roundtable discussion. Does anyone have 1 2 anything they would like to discuss at roundtable? MR. BARRICELLI: Okay. I brought up the 3 subject of getting some of our people from our towns 4 5 to look at the current state of the landfills. are we gonna do that? Should we -- because we want 6 7 it done once the foliage gets done, you know. 8 MS. GREEN: Send an email to me 9 requesting that. MR. BARRICELLI: Okay. And I'll copy 10 11 everybody. Because I want to get all three towns 12 involved with this so we, you know, kind of can go 13 forward together hand-in-hand, as opposed to 14 squabbling. 15 MS. GREEN: Yeah, we're a good ways from that --16 17 MR. BARRICELLI: Yeah. 18 MS. GREEN: -- so --19 MR. BARRICELLI: Yeah. But it's 20 something that you have to get the right people to 21 show up and realize this is for real, that they're 22 gonna have to have input this time as -- each town is 23 gonna have that input. 24 MS. GREEN: Okay. So just send me the 25 request.

Page 62 MR. BARRICELLI: Okay. Will do. 1 2 MR. DLUGOSZ: The other item is, maybe not at the last FMERA environmental meeting but the 3 one before, they were looking at somehow apportioning 4 5 some properties in different ways. For example, the FTM-8 site and the buildings that surround Squire 6 7 Hall, Building 284, or whatever the numbers are, trying to -- to either include or not include the M-8 8 9 in that parcel. 10 MS. GREEN: M-18? 11 MR. DLUGOSZ: No. M-18 is the landfill 12 behind --13 MS. GREEN: M-18 is behind Squire. 14 MR. DLUGOSZ: Yes, M-18 is behind 15 Squire --16 MS. GREEN: Right. 17 MR. DLUGOSZ: -- M-8 is alongside it. 18 They were talking about doing all three as one 19 parcel. 20 MS. GREEN: Then they're skipping over 21 M-3? 22 MR. DLUGOSZ: Yeah, but they -- they 23 were trying to package or repackage things, and I felt that M-8, for example, was one of the harder 24 sites to redevelop at the present time, with its 25

Page 63 irregular topography, if you will. So I think it 1 2 would be a great -- great thing to invite -- invite those guys to see what we've been talking about on 3 those. 4 5 MS. GREEN: Any requests you have for any type of tours, you can send it to me. List who 6 7 you would want on the tour, the purpose of your tour, when you would like to do this tour, and then I'll 8 9 just send it up. 10 MR. DLUGOSZ: Frank, why don't you send 11 me a draft of what you're doing before you send it 12 out. Okay? 13 MR. BARRICELLI: Will do. 14 MS. GREEN: Anyone else? MR. DLUGOSZ: I have one. 15 16 Frank, during your presentation last 17 time, I did not see any -- any readings or values associated with -- with, you know, the levels of 18 19 contamination for some of the ones that you 20 mentioned. Were there levels taken in the stream 21 sediment, surface water, or even the groundwater at 22 the sites? I didn't see any of that available in your briefing after I looked at it. 23

MS. GREEN: Which briefing are you speaking of?

Page 64 MR. DLUGOSZ: The Metallurgical 1 2 Industries' site that Frank provided. MR. BARRICELLI: Most of the data was --3 in the files was related to the cleanup activities. 4 5 I couldn't find anything -- at least I didn't see any visible data, readily visible -- because I had just 6 7 one day and we had boxes galore -- that was actual measurements in the stream during the points at which 8 9 the stuff was actually being dumped. That was not 10 ready visible. Only -- only the follow-on testing 11 done to -- when they were cleaning soil. So, you 12 know, I was looking for that data, and I could not 13 find it. 14 Again, I had one day to go through four boxes, so I couldn't -- I didn't see anything. 15 16 MR. DLUGOSZ: And the other question 17 was: Without that kind of data, which, of course, I was looking for in yours and -- and so forth --18 19 MR. BARRICELLI: Yeah. 20 MR. DLUGOSZ: -- I noticed that, you know, most of this is anecdotal in -- in nature. I 21 22 have no doubt -- no doubt that, you know, what you're saying here, when you said it, was -- was accurate. 23 24 But, you know, with -- with the anecdotal, I was

wondering whether this was an interpretation or -- or

a summary of what was there, or whether the words in some of these paragraphs were verbatim from what was in the boxes?

MR. BARRICELLI: Okay. All this stuff -- I brought a scanner with me I didn't know how to use because I just bought it that day and -- so there's very little data. I can show you this -- most of this were Site Inspection reports, and what I did was just take sections out of here and put it on the slides. You're free to look at these, if you want.

MR. DLUGOSZ: I'd appreciate that.

MR. BARRICELLI: Yeah, this is what I scanned in the time I had, with the scanner I had. Again, it was malfunctioning sometimes, so this is what I have. You can look at it.

MR. DLUGOSZ: Okay. And I think -- the last thing. It was in the questions and answers to that session. I made the -- the statement that I had tried the OPRA, what do you call it, route, and it wasn't successful. I had Ms. Kokas -- or Ms. Siekerka, who was Ken Kloo's, what do you call it, predecessor. I asked Ms. Kokas (sic) to send me as much as she could as a result of -- of that OPRA request, and what I received was an email and an

4

5

6

8

10

11

12

13

14

15

16

17

18

19

20

21

2.2

23

24

attachment in the minutes. I don't remember from the meeting itself, but in the minutes, I -- I got the answer or your response to my -- my statement was that you had asked for data from me or -- or proof of what I put into my report.

In my report, there was an EPA thing that you -- you reiterated, and then there was an email in the report -- in the presentation itself. You asked at the end of that meeting for the proof of that, which you mentioned in your statement that you never received. I sent you an email with -- that I forwarded from Ms. Kokas to you with that attachment as the information that you had requested, and so...

MS. GREEN: Well, if you haven't gone to the state and actually gone through the boxes, 'cause I did, the information that the EPA has online is what, one or two pages? It's not a lot of information. It doesn't actually have all of the information like it has when you go to the state. And, you'll see, there is a lot of information. There's really about eight, ten -- ten boxes. A lot of boxes with stuff.

So that's what I'm saying. Unless you have seen all of that information, you can't just go by that one -- I think it was one year or so that EPA

2.2

Page 67 had online. They didn't have all of the wealth of 1 2. information, nor does it have anything -- because the state doesn't have it from 2010. Because they are 3 allowing an LSRP to continue on with the ongoing 4 5 monitoring there. So that's why I didn't understand how you could have gotten the information if you 6 didn't do an OPRA. 7 MR. DLUGOSZ: Well, again, I told you 8 9 how I received the information from OPRA, which is 10 the local DEP. The website that -- that EPA provided 11 showed a summary of what they had done. 12 MS. GREEN: It -- it doesn't hardly show 13 as much as is actually there; that's what I'm saying. 14 You go to the state, you'll see what I'm talking 15 about. It's a lot. 16 MR. DLUGOSZ: The state or the --MS. GREEN: OPRA. Just say OPRA. 17 MR. DLUGOSZ: I was talking about the 18 19 EPA just now. 20 MS. GREEN: Yeah, but it's the state who 21 does the OPRA, though. Who has all the actual 22 documents in their office. 23 MR. DLUGOSZ: I thought you were -- the OPRA, I understand. And --24

MS. GREEN: Yeah, 'cause I looked up

Page 68 what you're saying you did and you looked up what 1 2 they had, and what I'm saying or what Frank has said is that it doesn't have everything. I mean, it 3 doesn't show --4 5 MR. DLUGOSZ: And I -- and I acknowledge that what --6 7 MS. GREEN: But you'll get more information from --8 9 MR. DLUGOSZ: -- I saw --10 MS. GREEN: I know. I agree with you. I agree with you. But what I'm saying is there's a 11 12 whole wealth of information that you could get from 13 going to Trenton and actually looking at what's in the boxes. 14 15 MR. DLUGOSZ: And I've put it -- we're 16 in the process of having -- I mixed things up a 17 little earlier, but we're in the process of doing that exact same thing. 18 19 MS. GREEN: Yeah. And I mean, I don't 20 mean to put Linda on the line, but Linda -- I'm sure 21 Linda can help you to -- or Frank, since he's already 22 done it, on how to go through the process to get it done, and, you know, get you an appointment because 23

you have to get an appointment. And they will have

all of the records there. You do only have one day

24

to do it or, you know, I guess you have to make more than one request. But you should probably take someone with you because it's a lot of information.

MR. DLUGOSZ: I understand that for the, what do you call it, DEP information. I was trying to make a point that the EPA online data was what was presented in the presentation where there was no -- they said there was no surface water affected, there was no, what do you call it, sediment evidence of any sediment pollution, and that's why I asked for Frank's -- Frank if there was any data readings, you know, levels, contaminations associated in the boxes.

MS. GREEN: In the reports that's in the boxes, it has that information. It does have that information.

MR. DLUGOSZ: Okay.

MR. BARRICELLI: And if you're gonna go down there, I'll loan you the scanner. But practice with it first so you don't, you know, lose pages like I did. It will make it a lot easier to use a scanner.

MR. DLUGOSZ: Maybe you could make a copy of what you have in your hand there, or I can make it for you.

MR. BARRICELLI: Yes, you do that. My

2.

copy machine is worn out. But when you go down there, just let me know. I'll get you my scanner and you can learn how to use it before you go down there. It makes taking notes a lot easier.

MR. DLUGOSZ: Okay.

MR. GRUSKOS: This is not RAB-related I just had something I was gonna ask Ed directly. about as it relates to Eatontown, but has Eatontown thought of, like, making some sort of environmental fund out of potential increased rateables and revenue streams coming out of the Fort Monmouth property? It's kind of an odd question, but it's like --

MR. DLUGOSZ: Yeah, and it's one I can't answer.

MR. GRUSKOS: It's almost something I feel going on record within your town, saying that you have, like, a master plan with environmental remediation. Not necessarily as part of the Fort property, but that you're looking for funding moving forward. It would really be, you know, an interesting way of, like, kind of funding future projects, whether it's, you know, late cleanups or whatever studies. It's kind of an odd question.

question. What does Oceanport do?

MR. DLUGOSZ: I'll pose the same

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 71 MR. GRUSKOS: Well, I'm sort of 1 interested in -- like we've -- in the past, we've 2 sought, for example, Blue Acres funds to buy 3 properties to keep the view of, let's say, going over 4 5 Seven Bridges. MR. DLUGOSZ: The wetlands. 6 7 MR. GRUSKOS: Yeah. And then, actually, some of the upland areas just to keep the view. So 8 it's kind of to prevent. And then, you know, I kind 9 10 of look at it, if you buy things, then it's kind of yours. You know what I mean? When I say towns, I 11 12 mean the town is gonna adopt, you know, stewardship. 13 But it's, like, something that I'm just contemplating 14 myself. I was just wondering because Eatontown's usually a leader on these thought processes, you 15 16 know. I was just wondering if you had -- if that's 17 been broached before? 18 MR. DLUGOSZ: Not to my knowledge. 19 MR. GRUSKOS: Okay. 20 MR. DLUGOSZ: It's interesting. Maybe we can talk a little bit more Monday. 21 22 MS. GREEN: Does anyone have any RAB 23 questions? 24 MR. GRUSKOS: No. I apologize. I apologize, Wanda. 25

MS. GREEN: Okay. As you could see, we have the dates for -- tentative dates for the 2015. You will note the January and July, due to holidays, is the second Thursday, instead of the first Thursday of the month.

MR. CHARNICK: I have a conflict with the second Thursday, but that's just me.

MS. GREEN: Okay. Yeah. You could just email me if you're unable to attend and -- as a matter of fact, I want to speak on that. I do need you -- I do send out emails and if you're not getting emails from me -- you should get an email reminding you that we're having a meeting, you'll get an email of the agenda of the previous minutes. What I asked in the email is for you to let me know if you aren't able to attend, because I don't know if you ever noticed, it kind of drives Jim nuts if we don't have a quorum to be able to vote on wherever voting is needed.

I haven't been getting a lot of replies, so I'm asking you, for the January 8th meeting, if you're unable to attend, to please email either myself or email Jim to let us know that you won't be able to attend. Or if you -- like Joe, I know sometimes you send a representative, so let me know

you're going to be sending a representative instead.

Okay. Moving on to the next item of public comment, and we have one person signed up, and it's Sara Breslow.

MS. BRESLOW: Sara Breslow, Redacted - Privacy Act.

The presentation by the New Jersey DEP contractors and Frank Barricelli at the July 10th, 2014 meeting were clearly a preplanned ambush to discredit previous presentations by Eatontown's RAB representative.

Mr. Barricelli's presentation was deliberately hidden under the guise of a roundtable discussion, which it plainly wasn't, since it was a prepared presentation, slide show, handouts, biased opinion and all.

What took place was a dog-and-pony show for Congressman Smith's representative, who appeared due to the efforts of Mayor Tarantolo, Brian Charnick, and Ed Dlugosz, who were not notified.

If contamination is found in Wampum Lake from another site, it does not exonerate the Fort from doing the same thing, only at a higher rate of discharge for at least a decade longer, and including several heavy metals not associated with

2.

Metallurgical Industries' activities.

2.2

These differences require any thinking person to insist on independent testing. Why should the public trust one government agency doing its best to muddy the water in defense of another government agency?

Ms. Green even took it a step further by berating Mr. Dlugosz and accusing him of presenting, quote, hearsay, unquote, evidence. It was an act worthy of Houdini, where misdirection is the key. See what I have in this hand? Don't look at what the other hand is doing. See these Metallurgical statistics? Don't look at the Army's statistics. But the public saw the strings and figured out the trick. You're not going to bury this issue no matter how many wands or Wandas you bring out. No matter how fed up Mr. Allen sounds with members of the public questioning your outrageous conduct.

Shame on you. Shame on every single one of you who was involved in this illegal collusion against public good. Shame on Wanda Green for hiding the item on the agenda and making sure none of the material was provided to all of the RAB members ahead of time so an informed discussion could take place. Shame on Wanda Green for ridiculing an honest man

working for the good of the public.

1

2.

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

2.2

23

24

2.5

You cannot make a case that the run-off from Metallurgical Industries is responsible for contamination in Wampum Lake without condemning the Army to the same responsibility. Getting the New Jersey DEP to make a statement that there's no significant human impact left in the Charles Wood area reveals how deep the collusion extends. It was an effort to disassociate the Army from the contaminants that have settled downstream in Wampum Lake.

Now we know the New Jersey DEP is in the Army's pocket.

Now we know that Wanda Green and Frank Barricelli will stoop to any means to get the Army off the hook.

Now we know that Mr. Allen wants to be done with it regardless of the truth.

Now we know that Mr. Barricelli has sold the residents of Oceanport down the stream.

Now we know that you have no moral consideration of the harm being done to the children of Eatontown, Oceanport, and Tinton Falls for decades to come.

We, who are being poisoned daily from

the Army's contamination, saw your hand. We know who you are, and what you want, and how far you'll go to get it, and now it's public record.

And it is insane that the Army doesn't have to investigate 376 UHOTs left that probably are leaking. It's insane that the New Jersey DEP doesn't mandate it. It's irresponsible to pass it on to FMERA or future developers where it may be hidden. This hurts towns, hurts residents, and hurts the earth. This is government at its worst.

MS. GREEN: Are there any other public comment?

Does anyone from the board have anything else?

MR. BARRICELLI: Yes.

Madam, I don't know what your background is. I know you're a great admirer of Ed, who's done a lot of work in the environmental area.

What I did was simply go to NJDEP and look at what's in the files. I brought that to the meeting, I gave a report on it. I'm going to send Ed the electronic copy of what I have here. He can go through it.

To charge me -- to make a charge that I am doing something illegal is libel. I'm glad it's

on tape 'cause you just made several libelous statements about people here who are doing their best to get information conveyed to the residents of their towns.

I did not understand Mr. Dlugosz's presentation when it had one data point on it. So I took the time to go to the NJDEP and look through their files. Shame on me.

When everybody else was signing up to the Monmouth County's 20-lakes report saying the sky is falling, I took the time to read that report carefully.

If you checked your emails, RAB members, you'll see that in December or January -- either December of 2011 or January of 2012, Mr. Simon's advised the RAB members to go back and reread the report. In my initial read of the 20-lakes report, I found that they hadn't loaded the entire document. There were very important pages missing. If you prepared a briefing based upon that earlier version, you didn't see half the report.

When I took the time to go to the data sheets, I generated a list of corrections. Those corrections are the same ones that NJDEP put in the report in August of 2012. Obviously, they felt I

2.

2.2

## Fort Monmouth RAB Meeting

Page 78

found some errors. The reports you heard last RAB meeting was basically what I briefed in April of 2012 about that report. It incorrectly included hydrocarbons in the graphs, which made them look far worse for heavy metals because people were assuming everything was heavy metals.

If you understand that report the way it's written, Wampum Lake does have the highest level of metals of all the 20 lakes surveyed. I agree with that. And I think once Mr. Dlugosz goes and reads the stuff that's in NJDEP files, he will see that the Metallurgical Industries site was a chronic contributor of heavy metal pollution to that stream to a greater degree than the laboratory operations that took place at Fort Monmouth.

Industrial uses of -- industrial applications of smelting put out far more contaminants than the Fort Monmouth laboratory.

Anybody who worked at Fort Monmouth and understands the volume of materials that would have been put in the -- in the sewer plant would surely be able to understand that an industrial polluter puts out far more than a laboratory.

I'm just asking that Eatontown's representatives go check the same information. I

2.

2.2

Page 79 don't make slanderous statements about people who are trying to do their jobs; I simply take the time to carefully read, very carefully read. I check data sheets, I go back to the -- to the charts, I verify everything I can. And when I find things I don't understand, I say so. If you're worried about being blindsided, I've been blindsided by information put in the newspapers and on the Friends of Clearwater website that cast a very bad light on the RAB and the Army's cleanup efforts. Not everyone has been very open with information in this RAB, and I'm not about to put up with someone who has no understanding of engineering or science criticizing what I've done. And if you make another libelous statement, you will be hauled in -- before a court of law. Okay?

You're saying I did something illegal?
You better have some proof about that, madam.

MS. GREEN: Does anyone else have any

comments?

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

2.2

23

24

25

Can I have a motion --

MR. CHARNICK: I move we adjourn.

MS. GREEN: Could I get it out?

Could I have a motion to adjourn.

Veritext/NJ Reporting Company

## Fort Monmouth RAB Meeting

_	
	Page 80
1	MR. CHARNICK: Yes. I so move.
2	MR. DLUGOSZ: Second.
3	MS. GREEN: All right. The meeting is
4	adjourned. Thank you.
5	(Proceedings concluded at 8:48 p.m.)
6	
7	
8	
9	
-0	
.1	
.2	
.3	
.4	
.5	
-6	
.7	
-8	
.9	
20	
21	
22	
23	
24	
25	
20 21 22 23 24	

Veritext/NJ Reporting Company

## 1 | CERTIFICATE

I, LYDIA F. McDONNELL, a Certified
Shorthand Reporter and Notary Public of the State of
New Jersey, do hereby certify that the foregoing is a
true and accurate transcript of the proceedings as
taken stenographically by and before me at the time,
place and on the date hereinbefore set forth.

I DO FURTHER CERTIFY that I am neither a relative nor employee nor attorney nor counsel of any of the parties to this action, and that I am neither a relative nor employee of such attorney or counsel, and that I am not financially interested in the action.

Notary Public of the State of New Jersey License No. 30XI00155900

My Commission expires June 30, 2016

18 Dated: October 8, 2014

2.4

Veritext/NJ Reporting Company

[03 - actual] Page 1

	1	1	
0	<b>2,000</b> 37:19	<b>30</b> 81:17	<b>800</b> 39:12 40:25
<b>03</b> 20:13 28:10	<b>20</b> 6:16,21 7:7 11:1	<b>30xi00155900</b> 81:17	46:5 54:20 55:5
<b>04</b> 16:7,21 19:3,11	13:12 31:18,20	<b>370</b> 49:23	<b>8:48</b> 80:5
19:14,21 20:9,17	77:10,17 78:9	<b>371</b> 39:16	<b>8th</b> 72:21
23:24 27:23	<b>200</b> 39:11 40:25	<b>376</b> 45:19 46:25	a
<b>05</b> 20:14	45:25 46:5 54:20	47:8,11,14 48:12	abandon 51:17
<b>07757</b> 1:9	<b>2003</b> 39:8 41:1	49:2,23 50:20 54:12	abandoned 39:17
1	<b>2005</b> 17:4 36:9 39:8	58:15 59:5 76:5	42:1 51:14,15 52:7
	41:1	<b>399</b> 45:9,10	able 3:3 6:5 14:3
<b>1</b> 3:23 35:17,22 36:6	<b>2006</b> 39:13	4	45:12 72:16,18,24
36:10,20 43:7	<b>2007</b> 36:8,12 39:13	<b>4</b> 15:7 19:3 29:16	78:21
<b>1-3</b> 45:24	39:14,16,19 41:7	<b>400</b> 39:11 40:25	aboveground 38:16
<b>1.4</b> 19:14 37:4	<b>2008</b> 20:10 22:25	46:5 54:18,20,23	absence 39:22
<b>10</b> 37:10,23	34:16 36:13,14 38:2	60:8	absolutely 51:20
<b>10th</b> 73:8	40:1,2,15,23 41:20	<b>455</b> 1:9 2:6 56:15,15	accept 3:16
<b>11</b> 73:5	<b>2008-2009</b> 52:24	56:16	_
<b>12</b> 46:7	<b>2009</b> 40:19	<b>474</b> 38:24	acceptable 23:24 24:15
<b>13</b> 21:13 26:22	<b>2010</b> 21:13 23:8		accepted 24:5
39:23 40:24 42:25	40:23 41:7 67:3	5	accepted 24.3 access 40:3 50:21
46:4	<b>2011</b> 17:4 20:19	<b>5.4</b> 36:7	51:1
<b>14</b> 36:18 39:23	41:20 53:13 58:5	<b>51</b> 36:18 39:23	
40:24 42:25 43:5	77:15	40:24 43:1,5 46:4	accomplished 32:4
46:4	<b>2012</b> 12:22 24:2	6	accumulation 37:7
<b>15</b> 28:13 39:23	42:5,20 45:6 77:15	<b>61</b> 46:6	37:17
40:24 42:25 46:4	77:25 78:2	<b>63</b> 21:10	accurate 64:23 81:6
53:13	<b>2013</b> 20:21 21:12	<b>66</b> 21:9	accusing 74:8
<b>159</b> 21:12	<b>2014</b> 1:8 2:7 46:12		achieve 17:12
<b>15th</b> 58:5	73:9 81:18	7	acknowledge 68:5
<b>18</b> 62:10,11,13,14	<b>2015</b> 72:2	<b>700</b> 39:11 40:25	acres 19:14 71:3
<b>1927481</b> 2:12	<b>2016</b> 81:17	46:5 54:20 55:5	acsim 47:24
<b>1940</b> 55:14	<b>2018</b> 19:19	<b>73</b> 46:3	act 16:14 74:9
<b>1940s</b> 38:15	<b>22</b> 53:2	<b>76</b> 36:18 39:23	action 17:5,18 18:10
<b>195</b> 45:12	<b>24</b> 53:8	40:24 43:1,5 45:25	18:10 24:18 42:6,22
<b>1955</b> 19:15	<b>246</b> 21:10	46:4	43:21 44:21 45:13
<b>1956</b> 19:15,16	<b>25</b> 42:1,4 53:9	<b>79</b> 36:18 39:24	81:11,14
<b>1980s</b> 38:15	<b>262</b> 45:10	40:25 43:1,5 46:4	actions 24:19
<b>1990</b> 38:6,22 42:20	<b>27</b> 39:23 40:24 43:1	54:18	active 17:25 38:24
<b>1990s</b> 38:8,23	46:4	<b>7:00</b> 1:10 2:8	activities 39:18,25
<b>1996</b> 21:13	<b>28</b> 36:18 39:23	<b>7:14b</b> 37:4	41:6,20,23 42:3
<b>1997</b> 20:19 21:12	40:24 43:1,5 46:4	<b>7:26e</b> 16:17	43:4 46:3 64:4 74:1
2	<b>284</b> 62:7	8	activity 51:23 59:13
<b>2</b> 1:8 2:7 6:13 16:9	3	<b>8</b> 27:20 62:6,8,17,24	actual 5:3 9:4 15:17
44:3 46:19		81:18	25:17 26:8 41:23
44.3 40.17	<b>3</b> 15:4 30:20 44:3	01.10	50:22 64:7 67:21
	46:19 62:21		

[add - based] Page 2

[add - based]		
<b>add</b> 7:15,16 9:7,13	ambush 73:9	area 15:6 19:6,9
9:25 14:22,23 46:17	amend 11:18 12:1,4	27:8 28:21,25 31:14
<b>added</b> 3:13 4:16 7:4	<b>amended</b> 10:20 11:1	39:1 42:16 45:7,20
12:7 13:23	13:22	45:25 54:18,20,23
<b>addendum</b> 35:11,17	amendment 12:15	55:5 60:8 75:8
35:22 36:6,7,10,20	<b>amount</b> 29:7 34:7	76:18
42:12 44:3 58:1	42:10,13,24 43:25	areas 31:10,18
additional 36:11	analogy 48:11	39:12 40:25 43:1
41:5 46:8,17	<b>analysis</b> 18:16 23:2	46:5 54:20 55:12
address 39:19 48:10	analyzed 21:15	56:6 71:8
adjourn 79:23,25	anecdotal 64:21,24	<b>army</b> 1:13 36:9
adjourned 80:4	anomalies 41:3,8	37:25 39:9 47:25
administrative	42:25 46:3,6 57:12	49:14 52:11,13
16:16	anomaly 57:14	53:20 75:5,9,15
administrator 53:3	answer 25:14 27:2	76:4
admirer 76:17	29:25 31:11 47:21	<b>army's</b> 74:13 75:13
<b>adopt</b> 71:12	66:3 70:14	76:1 79:11
advised 77:16	<b>answers</b> 34:9 65:18	aside 15:1 55:10
<b>advisory</b> 1:1,5 49:12	anticipated 25:18	<b>asked</b> 8:15 11:15
50:7 52:20	anybody 48:13	31:9 65:23 66:4,9
<b>aerial</b> 40:12 41:13	78:19	69:10 72:14
<b>afoot</b> 52:11	anyway 14:20 49:25	<b>asking</b> 5:4 31:8
	dily way 1 mes is the	W
age 56:25	apologize 71:24,25	72:21 78:24
<b>age</b> 56:25 <b>agency</b> 21:21 74:4,6	•	
age 56:25 agency 21:21 74:4,6 agenda 16:10,11	apologize 71:24,25 appeared 73:18 applications 78:17	72:21 78:24
<b>age</b> 56:25 <b>agency</b> 21:21 74:4,6 <b>agenda</b> 16:10,11 72:14 74:22	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4	72:21 78:24  aspects 11:19  assessed 45:1  assessment 17:1  18:7,7 22:13 23:11  23:12,14,23 24:2  25:16 26:6 40:21  60:19
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12	72:21 78:24  aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18	72:21 78:24  aspects 11:19  assessed 45:1  assessment 17:1  18:7,7 22:13 23:11  23:12,14,23 24:2  25:16 26:6 40:21  60:19  associated 17:16  23:15 24:12 25:2  27:3 45:21 63:18
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9	72:21 78:24  aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11	72:21 78:24  aspects 11:19  assessed 45:1  assessment 17:1  18:7,7 22:13 23:11  23:12,14,23 24:2  25:16 26:6 40:21  60:19  associated 17:16  23:15 24:12 25:2  27:3 45:21 63:18  69:12 73:25  assuming 58:23
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13	72:21 78:24  aspects 11:19  assessed 45:1  assessment 17:1  18:7,7 22:13 23:11  23:12,14,23 24:2  25:16 26:6 40:21  60:19  associated 17:16  23:15 24:12 25:2  27:3 45:21 63:18  69:12 73:25  assuming 58:23  78:5  assumption 48:7  50:4
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7 50:4 assumptions 25:19
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8 allyson 1:22 8:22	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16 approximately	72:21 78:24  aspects 11:19  assessed 45:1  assessment 17:1  18:7,7 22:13 23:11  23:12,14,23 24:2  25:16 26:6 40:21  60:19  associated 17:16  23:15 24:12 25:2  27:3 45:21 63:18  69:12 73:25  assuming 58:23  78:5  assumption 48:7  50:4  assumptions 25:19  25:25 59:4
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8 allyson 1:22 8:22 9:3	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16 approximately 38:24	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7 50:4 assumptions 25:19 25:25 59:4 asts 38:20 39:2
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8 allyson 1:22 8:22 9:3 alongside 62:17	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16 approximately 38:24 appurtenant 37:6,9	72:21 78:24 aspects 11:19 assessed 45:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7 50:4 assumptions 25:19 25:25 59:4 asts 38:20 39:2 attachment 66:1,12
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8 allyson 1:22 8:22 9:3 alongside 62:17 alternatives 18:14	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16 approximately 38:24 appurtenant 37:6,9 37:15,22	72:21 78:24 aspects 11:19 assessed 45:1 assessment 17:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7 50:4 assumptions 25:19 25:25 59:4 asts 38:20 39:2 attachment 66:1,12 attempt 6:14
age 56:25 agency 21:21 74:4,6 agenda 16:10,11 72:14 74:22 agree 7:22 68:10,11 78:9 agricultural 27:15 ahead 3:4 53:14 74:23 algebraic 11:4 allegiance 3:5,6 allen 3:1,24 45:24 74:17 75:17 allowed 29:9,22 31:13 allowing 67:4 allows 25:16 26:8 allyson 1:22 8:22 9:3 alongside 62:17	apologize 71:24,25 appeared 73:18 applications 78:17 applies 26:10 apply 25:25 26:19 appointment 68:23 68:24 apportioning 62:4 appreciate 29:2 65:12 approach 32:18 35:25 42:9 appropriate 26:11 42:7 approval 17:13,17 42:22 45:13 approve 17:16 approximately 38:24 appurtenant 37:6,9	72:21 78:24 aspects 11:19 assessed 45:1 18:7,7 22:13 23:11 23:12,14,23 24:2 25:16 26:6 40:21 60:19 associated 17:16 23:15 24:12 25:2 27:3 45:21 63:18 69:12 73:25 assuming 58:23 78:5 assumption 48:7 50:4 assumptions 25:19 25:25 59:4 asts 38:20 39:2 attachment 66:1,12

**attorney** 81:10,12 5 31:14 attributed 23:5 5:7,20 attribution 23:7 20,23 audience 7:11 **august** 12:22 77:25 **author** 11:18,23 authority 53:12 13:1 **available** 14:8 36:11 5:12 40:5 47:13 60:23 63:22 avenue 1:9 2:6 7:25 28:12 45:25 b **b** 1:12 back 9:7,9 12:21 75:13 13:2 15:20 31:11,12 31:18 34:2 52:24 55:14 58:10,11 60:7 :15 77:16 79:4 5:4,9 **background** 16:20 16:22 19:13 21:16 23:5 35:24 38:5 76:16 **backs** 29:7 **bad** 79:10 **badly** 32:2 23:11 **bank** 29:8,16 24:2 **barracks** 55:15 56:7 56:8 **barricelli** 1:17 3:23 4:2 7:25 9:23 12:19 25:2 13:17 27:20,22 3:18 28:11,18 32:1,12 33:3,7 49:6,18 61:3 61:10,17,19 62:1 63:13 64:3,19 65:4 65:13 69:17,25 73:8 75:15,19 76:15 25:19 barricelli's 73:12 **base** 17:4 **based** 23:2 25:24 6:1,12 40:10,11 41:21 43:13 45:8 47:2,12

54:19 55:13 57:5,7

[based - closure] Page 3

77:20	bridges 71:5	<b>called</b> 3:2 18:3,8,21	characteristics 41:4
baseline 20:20	brief 35:20,24 38:5	35:11 55:7,18	characterization
<b>basic</b> 33:13	54:17 55:19	cap 24:22 25:1,2	16:25
basically 20:15 23:6	<b>briefed</b> 78:2	26:23 27:4	characterize 26:2
24:10 42:11 52:18	briefing 15:23 63:23	capacity 37:19	34:12
78:2	63:24 77:20	carcinogenic 23:20	characterized 24:13
bee 24:1,7,8	bring 52:19 74:16	card 55:19,25 58:13	46:6
began 37:25	brings 45:3	cards 40:4 55:18,22	characterizing 34:8
believe 12:18 13:9	broached 33:12	57:7	charge 76:24,24
15:4 47:7 48:6	71:17	care 52:1	charles 19:6 28:21
believed 55:12	<b>broad</b> 31:15	carefully 8:15 77:12	39:1 42:16 45:7,20
beneath 20:23 37:11	brought 28:18,20	79:3,3	58:16 75:7
berating 74:8	38:19 60:7 61:3	carried 39:22	<b>charnick</b> 1:14 5:19
best 53:20 74:4 77:2	65:5 76:20	case 1:18 17:8 23:16	5:21 6:1,6,10,20 7:2
better 16:5 32:16	<b>brush</b> 31:15	26:25 49:4 54:13	7:13,16 8:5,14 9:2
33:14 79:19	<b>build</b> 58:14	75:2	9:11,21,24 10:7,12
<b>beyond</b> 10:24 51:22	building 27:12	cases 50:14	10:16 12:8,12 13:24
biased 73:15	37:18,21 38:14 44:9	cast 79:10	27:15 60:4,15 72:6
<b>bidders</b> 49:19 51:25	44:11,13,17,18,24	catalog 55:22	73:20 79:23 80:1
biennial 25:5	45:19 46:2,20 47:8	categories 46:9	charts 79:4
big 13:3 49:24 55:8	55:20 56:1,3,14,14	cause 10:8 15:16	check 78:25 79:3
bit 13:19 16:20,21	56:14,16 57:1 62:7	58:18 66:15 67:25	checked 77:13
52:9 71:21	<b>buildings</b> 39:3 42:18	77:1	chemical 22:2,7
blindsided 79:8,8	43:15 47:1 62:6	caused 13:6	chemicals 18:4
blue 20:3 71:3	<b>built</b> 55:20 56:1	central 19:11	children 75:22
<b>board</b> 1:1,5 14:5	bulldozers 49:25	cercla 16:14 17:6,23	choice 54:5
76:13	<b>bullet</b> 15:4 16:11	23:12 24:14,18	chronic 78:12
<b>borings</b> 21:4,10	21:15 22:4,5,5,7,23	25:11,12,16 26:8	circulated 10:20
59:1,2	23:25	47:24 48:23 50:2	clarify 6:14
<b>bottles</b> 28:4,16	<b>bullets</b> 18:12 21:1	53:2 54:4,5	clay 20:25,25
bought 65:6	24:21	<b>certain</b> 7:10 11:18	clean 6:22
boundaries 34:14	<b>bunch</b> 35:2	25:24 50:9 59:14	cleaning 64:11
<b>boundary</b> 20:8,11	bureaus 34:3	certificate 81:1	<b>cleanup</b> 64:4 79:11
20:11 27:23	<b>buried</b> 49:21	certified 2:4 81:3	cleanups 70:22
boxes 64:7,15 65:3	<b>bury</b> 74:15	certify 81:5,9	<b>clearly</b> 7:5 73:9
66:15,21,22 68:14	<b>bushes</b> 32:22	cetera 25:21	clearwater 79:9
69:12,14	<b>buy</b> 71:3,10	<b>chair</b> 1:13 3:24,25	<b>click</b> 58:3
<b>brac</b> 17:4,5,12 23:13	<b>buyer</b> 50:12 51:1	4:2	<b>close</b> 16:22 17:1,7
36:9 47:22 53:3,11	buying 52:1	<b>chance</b> 4:12 5:3 14:6	28:12 56:23
53:11,11 54:4,6	c	51:24	closed 17:4
55:6,9	calculated 30:13	<b>change</b> 6:2 10:1	closer 6:18
<b>breslow</b> 73:4,5,5	call 4:9,10 11:9 53:1	12:22 15:3 28:22	<b>closing</b> 46:10
<b>brian</b> 1:14 6:25 8:12	65:20,22 69:5,9	changer 10:9	closure 17:5 39:4,5
73:19	03.40,44 07.3,7	<b>changes</b> 3:16 12:25	42:4,19 43:15,21
			45:10,11,15

[coal - decision] Page 4

<b>coal</b> 38:7 43:18	<b>comply</b> 17:10 24:19	contaminants 7:4	<b>course</b> 30:17 64:17
44:14 56:2	component 17:25	18:2,3,8 24:11	court 79:17
cocs 18:9,9	18:1	75:10 78:18	cover 16:15 19:17
code 16:16	components 16:24	contamination	24:22 26:23 29:5
coincide 4:14	18:19	13:10 48:20 63:19	30:5,14 31:3
collected 21:19	compounds 22:16	73:21 75:4 76:1	covered 14:17
22:24 23:8 34:6	compounds 22.10	contaminations	covers 20:22
collusion 74:20 75:8	16:12	69:12	crazy 59:18
color 20:2	<b>concept</b> 19:18	contemplating	creek 19:24,25 20:1
column 45:14	concept 13.18 concern 18:3,8 22:7	71:13	20:4
com 53:13	31:18	continue 67:4	criteria 22:10 25:11
combination 37:3	concerning 10:18	continuing 60:17	criticizing 79:15
37:14	29:5 41:14	contractor 15:11	current 12:23 23:22
combined 7:4	concerns 46:1	contractors 73:8	24:16 42:8 61:5
come 28:13 52:4	concluded 24:2 41:7	contributor 78:13	currently 19:16
75:24	80:5	controls 24:24 25:4	
coming 70:11	concludes 36:4	25:5	d
command 60:18,23	conclusion 7:6	converted 39:4	<b>daily</b> 75:25
commander 53:13	conclusions 6:16,21	44:14	dash 19:23 20:8,12
commencing 2:8	24:4	conveyed 77:3	21:7
comment 7:14 8:13	concrete 57:19	copes 18:5,6 22:6,11	data 7:19 12:21,24
14:15 33:25 34:4,21	concurred 23:6	23:1,9,18	21:19 36:11 40:24
73:3 76:12	concurrently 41:10	copy 10:4 11:1,15	41:5,10 42:15,17
comments 3:21 4:8	condemning 75:4	12:18 14:11 15:18	43:11,13 64:3,6,12
4:11,21 5:18,22 6:7	conduct 74:18	15:19,19 61:10	64:17 65:7 66:4
7:17 14:23 34:3	conducted 20:20	69:23 70:1 76:22	69:6,11 77:6,22
36:15 40:16 79:21	24:1 39:12,18 41:19	correct 4:3 12:24	79:3
commission 81:17	46:8	25:23 27:10,14	database 40:3,8
committee 49:12	confirm 46:8	48:17 49:5 51:8	date 81:8
50:7	conflict 72:6	59:4	dated 81:18
<b>community</b> 3:25 4:2	congressman 73:18		dates 43:20 72:2,2
55:7	consideration 75:22	12:24 77:23,24	day 64:7,14 65:6
compared 21:21	considered 44:21	correctly 7:20	68:25
41:15	<b>consistent</b> 13:10,13	correspond 43:2	days 59:14,17
comparison 22:9	consists 16:24	corresponds 46:21	<b>deal</b> 50:2,3 51:13
23:3	construction 39:11	corridor 29:10	54:6
compensation 16:13	43:23	corridors 29:9	debris 39:11
<b>compiled</b> 40:6 41:11	consult 26:6	<b>counsel</b> 81:10,12	decade 73:24
43:6 46:11	consumption 37:17	counter 53:17	decades 75:23
<b>complete</b> 15:25 34:3	37:20	<b>county</b> 6:16,21 7:2,8	december 77:14,15
35:5 59:11	<b>contact</b> 21:23 22:19	7:19,21 11:24 12:4	decided 60:11
completion 36:12	25:21	12:13	decimal 10:21 11:21
38:2	<b>contain</b> 37:7,16	county's 77:10	<b>decision</b> 5:11 18:22
complicated 52:9	contained 36:10	<b>couple</b> 4:15 19:2	18:24 32:19 52:3
•		20:13 34:2 57:6	
		1 1 1	

[deed - ed] Page 5

<b>deed</b> 25:3	detailed 18:16	discussion 61:1	<b>dpw</b> 40:3 41:11
<b>deemed</b> 29:10	details 29:25	73:14 74:24	45:24
<b>deep</b> 75:8	<b>detect</b> 39:10	dispute 13:18	<b>draft</b> 58:9 63:11
defense 74:5	detected 41:3	distributed 50:24	drafts 34:24
<b>define</b> 18:2,8 25:1	detector 57:11	disturbed 32:2,21	drilled 48:14
34:13	59:21 60:10	divided 22:4	drillings 34:11
<b>defined</b> 18:10 37:13	determination 47:5	<b>dlugosz</b> 1:19 3:25	<b>drive</b> 27:24 28:1,5,7
defines 44:6	53:17	4:4,8,19,25 5:5,8,10	28:7 73:6
defining 31:16	determinations 42:6	5:16 8:2,6 9:15,18	<b>drives</b> 58:8 72:17
definition 35:23	43:13 44:2 46:18	11:8 13:15,18,25	dropped 33:14
37:1,2,12	determine 35:25	14:7,10,13,24 16:3	<b>due</b> 46:1 50:16,21
<b>degree</b> 40:13 78:14	42:10,15,21 59:3	24:7 25:10 26:2,14	57:13 72:3 73:19
deleterious 24:3	determined 36:17	28:9 29:1 30:18	<b>dug</b> 28:15
deliberately 73:13	45:9 47:18	32:11 33:6 34:10,19	dumped 64:9
delineate 39:10	develop 18:13	46:13,23 47:10,16	<b>duty</b> 59:7
delineated 21:4	developed 36:3	48:2,7,11 49:1,16	e
delineation 21:6	38:23 40:3,8	51:20 52:5,23 53:16	e 1:12,12
40:21	developers 76:8	58:22 59:19 60:1,6	eac 50:3
demolished 40:5	diagrams 40:6	62:2,11,14,17,22	eac 50:3 ear 6:18
42:18 43:15,17	diesel 38:8	63:10,15 64:1,16,20	earlier 17:14 21:5
45:19 47:1 56:3	differences 11:15	65:12,17 67:8,16,18	22:6,14 34:12,12
<b>dep</b> 5:21 12:15	26:3 74:2	67:23 68:5,9,15	68:17 77:20
16:16 17:13,14 22:8	<b>different</b> 15:1 22:9	69:4,16,22 70:5,13	early 38:8,22
22:16 23:3,4,6 24:5	25:15 26:7,16 54:11	70:24 71:6,18,20	early 38.8,22 earth 76:10
25:13,22 26:10,13	62:5	73:20 74:8 78:10	easier 69:20 70:4
31:9 33:22 37:14	<b>dig</b> 28:3	80:2	east 20:4,5
40:16 42:5 45:11,12	<b>diligence</b> 50:16,21	dlugosz's 77:5	· · · · · · · · · · · · · · · · · · ·
46:11 48:3 53:24	direct 21:23 22:19	document 11:19	<b>eatontown</b> 1:14,19 29:2 32:13,13 33:4
67:10 69:5 73:7	direction 11:11	15:10,11,12 18:22	51:13 52:6 70:8,8
75:6,12 76:6	41:25	25:4 34:22 35:2	73:6 75:23
department 1:15	directly 70:7	77:18	eatontown's 71:14
16:15 36:14 39:9	disagrees 9:22	documented 39:14	73:10 78:24
depends 31:15	disassociate 75:9	39:25	echoes 52:25
<b>depicted</b> 44:3 46:18	disc 15:14,17	<b>documents</b> 17:13,17	ecological 24:1,3
depiction 10:22	discharge 48:9,10	67:22	,
depictions 13:1,4	54:10,10 73:24	dog 73:17	<b>ecp</b> 35:10,17 36:6,9
dereliction 59:7	discharges 45:16	<b>doing</b> 9:4 11:24 15:1	36:10,12,17 39:12 39:14,20,23 40:18
<b>dermal</b> 25:20	discovered 45:24	62:18 63:11 68:17	40:22,24 42:12,25
describe 16:12	discredit 73:10	73:23 74:4,12 76:25	40:22,24 42:12,23 43:7 46:4,10,19,21
description 55:19	discrepancies 40:21	77:2	54:19 55:14
design 30:7	<b>discs</b> 50:23	doubt 64:22,22	
designed 25:23	discuss 10:6 30:24	downstream 75:10	ed 4:7 14:4 51:11
<b>detail</b> 30:7 44:5	32:17 61:2	downward 59:20	52:19 58:20 70:7
46:17 50:20	discussed 30:3,23	60:2	73:20 76:17,21
	·		

[edge - foregoing] Page 6

<b>edge</b> 31:19	<b>epa's</b> 23:24	extend 28:5	<b>figures</b> 44:3 46:19
edward 1:19	equipment 37:7,10	extends 75:8	<b>file</b> 55:16
effects 24:3	37:16,23	<b>extent</b> 17:11 18:1	<b>filed</b> 25:3
effort 75:9	equivalent 44:1	20:16 21:3,20 22:3	<b>files</b> 42:21 64:4
<b>efforts</b> 73:19 79:11	errors 11:22 12:25	24:11 25:1	76:20 77:8 78:11
eight 20:22 22:12	78:1	extraterrestrial	<b>final</b> 15:9 17:13,17
66:21	essentially 11:16	59:16	21:7 39:14 40:1
<b>either</b> 4:12 6:9 23:9	22:10	<b>eyes</b> 51:7	finalized 60:24
62:8 72:22 77:14	estimate 43:11	f	<b>finally</b> 17:1 18:15
electric 44:14	estimated 43:25	<b>f</b> 1:12 2:4 81:3	financially 81:13
electro 59:24	et 25:21	fact 14:4 24:1 27:25	<b>find</b> 12:8 48:14
electromagnetic	evaluate 17:24	72:10	50:14 58:12 64:5,13
41:3 42:25 46:3	evaluated 23:19	fair 50:4	79:5
59:25	evaluation 23:15	fall 33:13,17	<b>findings</b> 36:4 45:4
electronic 55:23	evening 35:13	<b>falling</b> 77:11	46:14,25 53:1
76:22	<b>event</b> 34:12 59:16	falls 75:23	<b>fine</b> 9:11
<b>em</b> 41:8 59:24	events 35:24 38:5	false 54:25,25 57:9,9	<b>finish</b> 7:1 8:12
<b>email</b> 10:5 14:4,5	eventually 18:21	59:15	finished 8:12
61:8 65:25 66:8,11	everybody 7:22	far 12:14 28:11	<b>fired</b> 38:12
72:9,12,13,15,22,23	61:11 77:9	30:14 31:12 33:23	<b>first</b> 13:6 15:4 16:11
emailed 5:24	<b>evidence</b> 39:6 49:9	34:8 50:6 76:2 78:4	18:1 22:3,5 24:22
emails 72:11,12	54:9,10 69:9 74:9	78:17,22	36:20 45:4 46:24
77:13	<b>exact</b> 68:18	farm 27:17	47:5 57:22 69:19
employee 35:16	exactly 13:21	feasibility 15:15	72:4
81:10,12	example 27:13	16:8 17:2 18:11,13	<b>five</b> 16:10
encumbrances	30:20 56:15 62:5,24	18:19	<b>fixtures</b> 37:6,9,15
53:22	71:3	<b>fed</b> 18:6 74:17	37:23
enforce 54:8	excavated 45:1	feed 22:13	flexibility 31:20
engineering 79:14	excited 49:7	feel 21:2 31:6 70:16	<b>fm</b> 30:20
<b>entire</b> 14:5 26:18	<b>excuse</b> 6:17 20:5	feet 20:22 28:13	<b>fmera</b> 28:23 49:11
77:18	29:8	30:12 31:19,21	49:12,20 50:3,3,8
entitled 2:3	<b>exist</b> 36:24	<b>felt</b> 4:16 62:24 77:25	51:3 52:10,12,17,19
environment 24:15	<b>existing</b> 36:21 40:4	<b>feshbach</b> 1:22 16:1	59:9 62:3 76:8
environmental	42:14,17,18 43:14	16:4 24:8 25:14	fmera's 51:23
16:13,15 21:21	43:16 45:19 46:25	26:4,17 27:1,10,14	<b>foliage</b> 33:14 61:7
36:15 49:11 50:7	exonerate 73:22	27:18,21 29:12,24	folks 33:12 55:1
52:20 62:3 70:9,17	expecting 35:6	34:16 35:8	57:10
76:18	expires 81:17	fiberglass 43:24	<b>follow</b> 64:10
enviroscan 39:8,21	<b>explain</b> 30:6,25 31:4	44:9,12,24 56:12,19	<b>followed</b> 17:6
42:24 46:6 54:21	31:9	56:22,25	following 40:2,7
55:11 57:8,12,22	explaining 15:22	<b>field</b> 21:2 40:10 41:6	41:5
59:19 60:12	<b>exposure</b> 23:16,22	41:19,22 42:2 43:3	follows 54:4
enviroscan's 41:16	25:18,20 26:1,9	<b>figured</b> 74:14	<b>foot</b> 28:1
<b>epa</b> 66:6,16,25	expound 34:20		foregoing 81:5
67:10,19 69:6			

[form - gruskos] Page 7

<b>form</b> 58:9	ftm 62:6	75:5	<b>graphs</b> 10:22 78:4
formation 20:24	<b>ftmm</b> 19:3,11,14,21	give 10:4 15:10,11	grass 29:10 30:19
former 20:8	20:9,13,14,17 23:24	16:19 31:2,6 54:9	32:5,21
<b>forming</b> 34:24	27:23 28:10 42:11	54:16	grassy 29:23
fort 1:1,4,8 2:6 16:7	fuel 38:7,13,17	given 15:17 31:4	gray 20:8 21:6
16:20 17:3,8 19:4	41:14 51:16	40:13 58:11	great 63:2,2 76:17
19:15 24:6 26:15,16	fuels 38:6,19	gives 21:1	greater 78:14
35:10 36:1,3,9,16	fulfilled 4:17	giving 16:7 35:10	green 1:13 3:1,7,19
36:22,25 38:7,9,11	full 24:13 32:6	57:8	4:6,18,20,23 5:1,6,9
38:16,23 39:13 40:2	<b>fund</b> 70:10	glad 76:25	5:12,17,20,24 6:4,9
40:20 41:11,15,25	<b>funding</b> 54:6 70:19	<b>go</b> 3:4 9:7,9 12:23	6:17,25 7:12,14 8:9
42:2,19,20 43:4,12	70:21	13:2,20 14:1 25:19	8:11,22 9:3,12,17
44:1 45:17,24 52:13	<b>funds</b> 54:6 71:3	28:13 38:4 49:9	9:19 10:3,11,14
53:10 55:8,20 56:8	furnaces 38:12	50:17 51:3 52:16,17	11:20,23 12:3,17
70:11,18 73:22	<b>further</b> 10:6 14:3	53:14 55:24 56:16	13:20 14:1,9,11,14
78:15,18,19	17:18 24:17 30:6	60:12 61:12 64:14	14:18,25 19:7 25:8
<b>forth</b> 37:4 64:18	36:16 39:6 40:17,20	66:19,24 67:14	26:20 28:17 29:15
81:8	41:17 42:6,22 43:21	68:22 69:17 70:1,3	29:19 30:2,22 31:25
forward 51:12	44:21 45:13 48:16	76:2,19,22 77:7,16	32:20 33:10,17
61:13 70:20	55:2 56:18 60:13	77:22 78:25 79:4	34:18,20 35:9 46:15
forwarded 66:12	74:7 81:9	goes 10:24 28:2,14	47:15,21 48:17 49:5
<b>found</b> 28:4,16,20	<b>future</b> 19:18 23:22	49:10 51:22 78:10	50:22 51:2,8 52:22
45:2 48:3 51:10	24:16 70:21 76:8	going 3:2 9:5 15:22	53:8 54:15 59:23
52:24 53:2,6,9	g	30:4 31:19 51:7	60:7,16 61:8,15,18
54:22 56:5,10,12,18		68:13 70:16 71:4	61:24 62:10,13,16
56:24 57:6,6,11	gain 17:12	73:1 74:15 76:21	62:20 63:5,14,24
58:5 60:9 73:21	<b>gallons</b> 37:19 <b>galore</b> 64:7	gonna 11:18 15:21	66:14 67:12,17,20
77:18 78:1	game 10:9	15:24 16:6,11,14,19	67:25 68:7,10,19
foundation 57:19	garden 19:6	17:7 27:1 32:24	69:13 71:22 72:1,8
<b>four</b> 15:6 20:5,22	garrison 41:25	38:4 48:16 49:12,13	74:7,21,25 75:14
21:13 64:14	53:10	49:24 61:6,22,23	76:11 79:20,24 80:3
frances 1:20	gas 39:4 43:19	69:17 70:7 71:12	<b>grimm</b> 1:15 12:1,10
<b>frank</b> 1:17 12:17,18	gasoline 38:8	<b>good</b> 7:5 14:13	<b>ground</b> 37:11,24
14:16 63:10,16 64:2	general 25:10,12	30:20 32:18 35:13	49:24 53:4 60:4,6
68:2,21 69:11 73:8	generate 34:5	61:15 74:21 75:1	groundwater 21:11
75:14	generated 77:23	google 12:12	21:25 22:22,23,24
<b>frank's</b> 69:11	geologic 20:21	gotten 67:6	22:25 23:2,17 63:21
<b>free</b> 65:10	geophysical 39:9,21	government 74:4,5	groundwork 20:20
freely 27:8	39:24 40:18,23 41:6	76:10	<b>group</b> 30:24
friends 79:9	41:16,17,22 42:23	graded 29:23	grouping 25:11
<b>frown</b> 52:6	43:11 46:2 54:22	grading 30:11	<b>grow</b> 27:17 32:5
<b>fs</b> 15:15,23 16:8,12	georeferenced 41:12	granted 42:22	growing 32:23
17:6,11,16,20,23	getting 10:25 29:25	<b>graph</b> 7:3 11:14	<b>grown</b> 32:22
18:20,20 19:1,22	60:25 61:4 72:11,20	graphical 10:22	gruskos 1:16 8:1,10
20:17 24:13 60:23		13:1,4	10:17 11:17,21 12:5

-5
12:14 26:21 27:5,12
29:4,17,20 31:7
33:11,21 50:5,25
51:6,9,21 52:18
53:19 59:8 70:6,15
71:1,7,19,24
guess 6:22 12:5 27:2
49:10 50:18 53:2
69:1
guidelines 17:23
<b>guise</b> 73:13
guys 5:25 28:21
63:3
h
habitats 24:4
half 13:2 14:10 59:5
0.1

77:21 **hall** 62:7 **hand** 14:14 61:13.13 69:23 74:11,12 76:1 handled 28:19 handouts 73:15 **hands** 8:18 **happen** 32:24 happened 9:24 12:19 53:15 54:17 58:7 happens 29:1 **hard** 50:5,5,6 **harder** 62:24 harm 75:22 hat 33:22 **hate** 54:1 **hauled** 79:16 hazardous 37:8 **head** 12:17 **health** 1:15 23:20 24:12,14 60:18,22 **hear** 8:13 16:2 34:2 **heard** 9:8 12:3 34:10 78:1 **hearsay** 59:11 74:9 **heat** 43:18,18,18,19 44:10,10,10,11,13

44:13,18,19,25,25 **heated** 38:12 **heating** 35:11,18 37:13,17,20 38:1,9 38:10,17 43:17 44:11,13,17,19,24 55:25 56:2 **heavy** 11:13 73:25 78:5,6,13 **held** 2:6 **help** 15:12 25:23 34:13 68:21 **helped** 60:2 **helps** 18:23 hereinbefore 81:8 **hidden** 73:13 76:8 **hiding** 74:21 **high** 32:5 44:2,8 45:21 46:17 47:1 57:4 **higher** 13:6 73:23 highest 78:8 highlighted 19:10 **historical** 41:12,14 **history** 16:22 19:13 38:7 54:17 **hold** 5:2,14 15:24 holidays 72:3 **homes** 27:13 **honest** 74:25 hook 75:16 **hope** 49:20 54:11 **hoping** 10:24 hornerstown 20:24 **houdini** 74:10 **hour** 14:10 house 51:16 **huge** 59:5 **human** 23:20 24:12 24:14 75:7 **hurts** 76:9,9,9 hydrocarbons 13:5 13:6 78:4

## i ics 24:24 **idea** 33:13 **ideal** 54:4 identification 43:19 43:22 identified 18:11 22:11 23:1.9.18 40:17.22 41:21 42:2 46:3 56:7 **identify** 36:23 39:22 41:24 identifying 57:13 **illegal** 74:20 76:25 79:18 **imagine** 31:17 **imcom** 53:9 **immediate** 31:14.23 immediately 31:10 impact 21:25 22:22 75:7 **impetus** 11:10 implementation 24:25 implemented 24:24 **important** 7:11 8:3 8:5 28:23 77:19 impossible 59:17 improperly 7:3 inactive 19:16 **include** 44:23 49:21 58:16 62:8,8 **included** 13:7 39:1 40:5,9 41:12,23 42:14,17 43:19 78:3 **includes** 35:21 37:5 38:25 45:6,19 **including** 37:8,15 37:22 73:24 inclusion 13:4 incorrectly 78:3 increased 70:10

**indicate** 43:17,22 **indicated** 28:4 40:20 41:2 43:8 indicates 21:16 individual 11:3 38:13,21 51:12,23 individually 30:11 **industrial** 78:16,16 78:22 **industries** 64:2 74:1 75:3 78:12 information 5:15 9:1,25 36:10,22 40:6,7 41:12 43:6,8 47:12 51:4 55:23 57:23 58:2.10.13.13 66:13,16,18,19,20 66:24 67:2,6,9 68:8 68:12 69:3,5,14,15 77:3 78:25 79:8,13 informed 74:24 **inherit** 49:13 **initial** 77:17 initially 57:25 initiate 18:23 initiative 55:8 inner 31:18 **input** 31:2 58:1 61:22,23 insane 76:4,6 **insist** 74:3 inspection 65:8 installation 38:25 42:14 53:12 installations 38:1 **installed** 56:20,20 56:21 institutional 24:24 **intent** 47:24 intercept 19:25 interested 10:8,25 31:21 71:2 81:13 interesting 59:9 70:21 71:20

independent 74:3

interpretation 64:25	<b>jim</b> 3:7 5:10 15:2	knowledge 71:18	75:7 76:5
interruption 6:24	72:17,23	<b>known</b> 16:14,17	legal 47:22 48:18
introduction 35:21	<b>jim's</b> 5:12	43:20	<b>length</b> 13:16
intrude 28:10	<b>job</b> 1:25 2:12 13:2	kokas 65:21,23	<b>letter</b> 40:19
intrudes 27:24	30:20	66:12	<b>letters</b> 17:18 42:20
investigate 36:16	<b>jobs</b> 79:2	kriney 1:22	43:22 45:13
47:25 48:19,21 76:5	<b>joe</b> 72:24	1	letting 32:5
investigated 20:18	<b>joel</b> 1:15	laboratory 78:14,18	level 78:8
54:21	<b>joins</b> 20:1	78:23	levels 21:22 63:18
investigating 54:18	<b>july</b> 40:1 46:11 72:3	lady 8:15	63:20 69:12
investigation 15:15	73:8	lake 6:22 7:7,20,21	liability 16:13
16:8,23,24 17:25	<b>june</b> 81:17	13:10 73:5,21 75:4	libel 76:25
18:18 20:10 21:20	<b>junk</b> 35:3	75:11 78:8	<b>libelous</b> 77:1 79:16
35:18 36:7,13,20	k	lakes 6:16,21 7:7	license 81:17
39:18 48:25 49:3	keep 34:22 71:4,8	11:1 13:11,12,14	lifespan 47:20
54:7 55:2,17 56:18	ken 65:22	77:10,17 78:9	<b>light</b> 79:10
60:13	ken 03.22 key 6:12,14 10:22	land 24:16 25:4,4	<b>linda</b> 1:18 3:11,12
investigations 18:15	11:7 74:10	landfill 15:6,23 19:3	14:14 25:22 33:21
21:2 40:17	kind 10:23 21:1	19:15,17,23,24 20:6	34:25 35:2 52:19
<b>invite</b> 63:2,2	22:8 31:11 49:7	20:9,10,10,11,23	53:23 68:20,20,21
<b>involved</b> 33:5 61:12	52:15 53:22 61:12	24:23 26:23 27:4	line 19:23 20:8,12
74:20	64:17 70:12,21,23	28:5 30:4,5,8,9,10	28:6 46:23,24 68:20
involvement 18:23	71:9,9,10 72:17	31:3,12 62:11	lines 21:7 37:6,9,15
irregular 63:1	kloo's 65:22	landfills 20:13 21:4	37:22
irresponsible 76:7	knew 32:24 48:19	27:25 31:16 32:14	<b>list</b> 24:21 57:4 63:6
issue 3:2 17:18 50:4	59:12	59:1 61:5	77:23
51:10,13 52:15,23	<b>know</b> 3:9,15 13:1	lands 31:18 34:14	listen 9:9
74:15	20:2 25:19,20 27:24	large 38:20	listens 8:19
<b>issued</b> 12:22 36:15	30:1,19 31:6 32:8	late 39:19 70:22	literally 55:22
40:16	32:17 33:11 47:4,19	law 47:24 48:23	little 15:5,23 16:20
item 16:19 62:2 73:2	48:9 49:8 50:2	79:17	16:21 19:13 34:4,21
74:22	51:23 52:2,5,13,14	laying 28:24	44:5 52:9 55:2 65:7
items 4:14 16:11	52:15,16 53:21	leader 71:15	68:17 71:21
26:21	57:19 58:23,25 59:3	leads 18:20	loaded 77:18
j	59:6,10,21 61:7,12	leakage 58:25	loan 69:18
james 3:1,24	63:18 64:12,21,22	leaking 48:6,8,15,20	local 67:10
<b>january</b> 36:8 39:14	64:24 65:5 68:10,23	49:2,9 76:6	locate 45:12
72:3,21 77:14,15	69:1,12,19 70:2,20	leaks 45:16	located 16:21
<b>jersey</b> 1:9 2:6,7	70:22 71:9,11,12,16	<b>learn</b> 70:3	location 28:8 40:14
16:15,16 21:22 22:8	72:15,16,23,24,25	leave 49:23	41:14 56:13
22:16 24:20 26:18	75:12,14,17,19,21	leaves 33:15	locations 21:13,14
26:19 36:14 37:13	76:1,16,17	leaving 52:7	36:23 41:7,20 43:2
73:7 75:6,12 76:6	knowing 51:25	<b>left</b> 19:6,8,11 29:17	45:15,20 46:20,21
81:5,16		32:3,6 47:6 53:4	47:8 50:19 56:8

Veritext/NJ Reporting Company

[long - neither] Page 10

long 25:1	man 74:25	member 49:16	12:13 16:7,20 17:3
long 25:1		member 49:16 members 3:23 6:2	17:8 19:4,15 24:6
longer 27:24 73:24	manager 1:18		· · · · · · · · · · · · · · · · · · ·
look 3:13 14:22 22:2	managers 55:2	49:11 74:17,23	26:15,16 35:10 36:1
23:16 25:17 33:7	managing 38:23	77:13,16	36:3,9,16,22 38:7,9
48:16 55:25 56:9,16	mandate 76:7	memory 4:14	38:12,16,23 39:13
58:17 61:5 65:10,16	manuals 17:22	mentioned 11:13	40:2,20 41:11,15,25
71:10 74:11,13	<b>map</b> 19:21 21:8	13:5 21:5 22:6,14	42:2,19,21 43:4,12
76:20 77:7 78:4	27:20 55:13,13 56:6	25:12 63:20 66:10	44:1 45:24 52:13
<b>looked</b> 13:15 30:11	58:3	meriney 1:22 16:1,4	53:10 55:9,20 56:9
54:23 55:4 63:23	maps 40:5,12 41:14	24:8 25:14 26:4,17	70:11 77:10 78:15
67:25 68:1	55:16 57:6,7 58:2	27:1,10,14,18,21	78:18,19
<b>looking</b> 31:22 35:6	58:11,12	29:12,24 34:16 35:8	<b>month</b> 6:2 72:5
60:19,21 62:4 64:12	march 42:5	metal 57:11 59:21	moral 75:21
64:18 68:13 70:19	masking 13:8	60:10 78:13	motion 79:22,25
looks 27:23	master 55:21 70:17	metallurgical 64:1	<b>motter</b> 6:13 9:6
<b>lose</b> 69:19	material 19:17	74:1,12 75:3 78:12	10:19 12:23
loss 58:23	20:23,24,25 30:12	metals 11:10,13	motter's 7:17
lot 8:25 32:23 34:5,9	34:6 43:23 53:25	13:8,16 21:18 22:13	move 51:12 79:23
57:21 66:17,20,21	74:23	22:18,20 23:4 73:25	80:1
67:15 69:3,20 70:4	materials 78:20	78:5,6,9	<b>moving</b> 70:19 73:2
72:20 76:18	<b>matter</b> 2:3 14:4	<b>method</b> 38:9,17	muddy 74:5
low 44:2,16 45:21	26:25 72:10 74:15	methods 41:18	multiple 34:11
· ·			
46:18 47:1	/4:16	microphone 4:7	n
46:18 47:1 lower 50:15 51:25	74:16 <b>mayor</b> 73:19	microphone 4:7 microsoft 40:3	n
lower 50:15 51:25	<b>mayor</b> 73:19	microsoft 40:3	<b>n.j.a.c.</b> 37:4
lower 50:15 51:25 lsrp 67:4	mayor 73:19 mcdonnell 2:4 81:3	microsoft 40:3 mike 6:18 8:9 16:3	<b>n.j.a.c.</b> 37:4 <b>name</b> 35:15
lower 50:15 51:25 lsrp 67:4 luc 24:25	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5	microsoft 40:3 mike 6:18 8:9 16:3 25:9	n.j.a.c. 37:4 name 35:15 native 30:18
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16 main 19:5,9,12	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16 main 19:5,9,12 38:25 42:16 45:6,20	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13 72:21 73:9 76:21	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16 mm 16:21	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10 needed 4:16 72:19
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3 m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16 main 19:5,9,12 38:25 42:16 45:6,20 maintenance 25:1	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13 72:21 73:9 76:21 78:2 80:3	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16 mm 16:21 monday 52:20 71:21	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10 needed 4:16 72:19 negatives 54:25 57:9
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3  m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16 main 19:5,9,12 38:25 42:16 45:6,20 maintenance 25:1 major 58:8	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13 72:21 73:9 76:21 78:2 80:3 meetings 15:8 31:9	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16 mm 16:21 monday 52:20 71:21 monitoring 21:11	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10 needed 4:16 72:19 negatives 54:25 57:9 negotiate 50:15
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3  m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mail 15:16 main 19:5,9,12 38:25 42:16 45:6,20 maintenance 25:1 major 58:8 majority 38:11 making 70:9 74:22	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13 72:21 73:9 76:21 78:2 80:3 meetings 15:8 31:9 52:10	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16 mm 16:21 monday 52:20 71:21 monitoring 21:11 67:5	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10 needed 4:16 72:19 negatives 54:25 57:9 negotiate 50:15 51:25
lower 50:15 51:25 lsrp 67:4 luc 24:25 lydia 2:4 81:3  m m 29:16 62:8,10,11 62:13,14,17,21,24 m4 15:15,19,23 machine 70:1 madam 76:16 79:19 magnetic 53:1 mail 15:16 mailed 15:16 main 19:5,9,12 38:25 42:16 45:6,20 maintenance 25:1 major 58:8 majority 38:11	mayor 73:19 mcdonnell 2:4 81:3 meadows 32:5 mean 14:2 15:6 25:16 52:11 56:11 68:3,19,20 71:11,12 means 37:3,14 75:15 measurements 64:8 media 23:18 medical 3:2 meet 23:12 meeting 3:4 6:7,7 8:14 9:4,25 10:1,2 12:16 27:16 30:3,10 30:23 52:20 60:18 62:3 66:2,9 72:13 72:21 73:9 76:21 78:2 80:3 meetings 15:8 31:9	microsoft 40:3 mike 6:18 8:9 16:3 25:9 mill 19:24 20:4 mind 52:2 minute 3:13 6:25 8:11 46:15 minutes 3:8,10,14 3:16,22 4:9,11,18 5:2,14,18 6:3 7:5 8:4,16,21,23,23 9:7 10:13 13:23 14:20 14:22 66:1,2 72:14 misdirection 74:10 missing 77:19 mixed 68:16 mm 16:21 monday 52:20 71:21 monitoring 21:11	n.j.a.c. 37:4 name 35:15 native 30:18 natural 20:23 39:4 nature 18:1 20:16 21:20 22:3 24:11 30:17 64:21 near 21:10 nearby 46:2 necessarily 70:18 necessary 18:14 need 3:13,16,19 14:2 24:19 41:17 72:10 needed 4:16 72:19 negatives 54:25 57:9 negotiate 50:15 51:25 negotiation 50:13

[never - pessimistic] Page 11

<b>never</b> 66:11	objective 35:22	<b>old</b> 28:6 49:23 55:13	parcel 45:25 62:9,19
new 1:9 2:6,7 9:25	36:21,23	57:6,6	parcels 36:17 39:23
16:15,16 21:22 22:8	objectives 36:19	once 4:4 60:24 61:7	40:18,22,24 42:25
22:16 24:19 26:18	observation 29:3	78:10	43:5 46:4
26:19 34:14 36:14	observations 40:10	ones 11:5 47:19 59:3	parkers 20:1
37:13 73:7 75:5,12	<b>observed</b> 39:7 45:16	63:19 77:24	parks 33:8
76:6 81:5,16	45:16	ongoing 67:4	parkway 19:7
newspapers 79:9	observing 58:24	online 66:16 67:1	parsons 1:22,22,23
<b>nfa</b> 42:20	<b>obtain</b> 53:20	69:6	15:11,22 17:11
nice 8:15	obtained 43:14	open 19:18 27:19	35:16 50:19 58:11
nine 22:12	obviously 54:3	51:7 79:12	part 16:25 17:1
<b>nj</b> 2:12	77:25	operations 78:14	39:20 49:22 51:5,6
nj1927481 1:25	occurred 26:9	<b>opinion</b> 7:1 31:6	51:21 52:8 55:13
<b>njdep</b> 1:18 17:8,10	oceanport 1:9,16,17	73:16	70:18
39:6 40:20 42:20,22	2:7 32:11,14 33:4	opportunities 31:22	particular 26:25
49:8 76:19 77:7,24	51:13 70:25 75:20	opportunity 31:1,5	50:13 58:19
78:11	75:23	opposed 61:13	parties 81:11
non 21:24 22:21	october 1:8 2:7	opra 4:17 65:20,24	pass 76:7
37:21	40:15 81:18	67:7,9,17,17,21,24	<b>passive</b> 19:18 27:19
noncarcinogenic	<b>odd</b> 70:12,23	order 15:3	<b>patch</b> 28:1,3,6,14,15
23:19	office 47:22 48:18	original 11:18,23	<b>path</b> 35:1
nope 60:15	67:22	12:7,9,10	<b>paul</b> 1:22 15:21,25
<b>north</b> 19:7,24,25	offices 52:12	originally 32:16	35:7 60:20
20:1,12 27:24,25	<b>oh</b> 4:20,23 20:4	53:7,8	pause 3:18
28:5,7	56:17 60:19	outdoor 23:21	pavers 28:2
<b>notary</b> 2:5 81:4,16	oil 35:11,18 37:13	outline 19:11,22,23	pay 53:20
<b>note</b> 72:3	37:17,20 38:2,7,10	outrageous 74:18	<b>pcbs</b> 21:15
<b>notes</b> 2:2 4:15 5:3	38:13,18 41:15	<b>outside</b> 31:8 39:25	penetrating 60:4,6
9:4 70:4	43:18 44:10,11,13	overall 34:4 47:20	<b>people</b> 10:9 32:8,10
<b>notice</b> 20:1,7 25:3	44:13,18,19,25	oversight 17:9,15	32:12,15 33:8 50:3
<b>noticed</b> 5:21 64:20	51:16	overturned 53:4	61:4,20 77:2 78:5
72:17	okay 3:10,21 5:1,6,9	overview 16:7 35:20	79:1
notified 73:20	5:16,20 6:6,11 9:2	36:2	percent 37:10,23
<b>number</b> 26:13 45:5	9:19 10:16,17 12:19	owens 1:20	perform 25:16
45:14 53:25 54:12	14:13,23 15:3 16:1	ownership 50:9	48:24
59:5	16:6 28:17 31:7	р	performed 21:3
numbers 13:13	32:1,20 33:3,10,20	<b>p.m.</b> 1:10 2:8 80:5	39:9,19,21 41:6
43:19,22 54:16 62:7	35:13 36:6,19 43:10	package 62:23	43:4 54:22 55:5
numerous 4:8	44:5 49:18 51:9	page 3:23 6:13	57:2
<b>nuts</b> 72:17	52:22 60:16 61:3,10	26:22	<b>period</b> 34:15 47:17
0	61:24 62:1 63:12	pages 12:20 66:17	permitted 29:5,7
o 1:12	65:4,17 69:16 70:5	69:19 77:19	<b>person</b> 32:9,9 73:3
object 40:9,11	71:19 72:1,8 73:2	paragraphs 65:2	74:3
,	79:17	L8	pessimistic 54:12

[pesticides - public] Page 12

pesticides 11:10	<b>pocket</b> 75:13	preplanned 73:9	<b>problem</b> 6:10,10
22:12,18	point 7:6 10:8,24	presence 39:22	9:20 33:18 57:8,18
<b>petroleum</b> 36:8,8	11:22 13:3 24:13	present 1:21 3:24	problems 50:10
37:5	27:5 30:1 32:16	36:1,21 38:22 41:24	57:21 59:13
phase 30:5 39:12,20	47:13 69:6 77:6	42:10 44:15,22 47:9	procedure 3:9
43:7 54:19	pointing 59:20 60:2	62:25	proceedings 1:4 2:3
photographs 40:12	points 6:12,14 10:21	presentation 4:24	4:13 80:5 81:6
41:13	11:6 64:8	11:7,12 14:2 15:10	process 16:12 17:6
phrased 7:24	poisoned 75:25	15:12,25 30:4,10	17:20,22,23 18:12
physically 41:23	pollutants 11:3	31:4 33:23 35:10,21	19:1 26:8 34:23
piece 50:14	polluter 78:22	46:12 63:16 66:8	68:16,17,22
pieces 50:14 pieces 50:9	pollution 58:24	69:7 73:7,12,15	processes 71:15
-	69:10 78:13	77:6	<b>-</b>
pipes 37:6,9,15,22			productive 53:17
pits 21:4	pony 73:17	presentations 10:18 30:6 73:10	products 36:8
pitting 41:23	popular 53:5		<b>program</b> 38:23 39:1
place 25:6 29:18	portion 18:23 19:12	presented 31:22	55:1,7
39:17 51:14,18 52:7	portions 19:4	53:24 69:7	programs 20:18
57:22 73:17 74:24	pose 18:4 70:24	presenting 35:17	<b>projects</b> 70:22
78:15 81:8	positives 54:25 57:9	74:8	<b>proof</b> 66:4,9 79:19
<b>placed</b> 24:23 26:23	59:15	presents 35:25 37:1	<b>proper</b> 30:11 48:22
30:15	possible 17:11 31:24	42:9	properly 10:13
plainly 73:14	39:10 46:7	pretty 14:16 20:21	28:19 30:13 51:15
plan 15:10 18:21,22	post 19:5,9,12 38:25	prevent 25:2 27:7	properties 50:9
19:19 24:25,25	42:16 45:6,20 49:25	71:9	53:21 62:5 71:4
47:17 70:17	<b>postpone</b> 4:10	previous 15:8 21:6	property 40:4,12
<b>planned</b> 31:4	potential 18:3 22:7	55:4 72:14 73:10	41:13 42:17 43:16
<b>planning</b> 30:7,15,16	36:23 40:10 44:15	previously 41:3 42:1	45:25 49:13,14
55:21	45:1,18 46:24 47:8	45:5,23 54:21 56:6	50:14 70:11,19
plans 12:1,4 31:21	47:13 48:12,20 49:2	<b>price</b> 50:13,15 52:1	<b>proposed</b> 18:21,22
32:25 55:8	49:19 50:12 51:1,24	primacy 17:14	protection 16:16
plant 30:15 78:21	54:24 57:5 58:16	primarily 17:15	21:21 36:15
<b>planting</b> 29:9 30:21	59:3 70:10	21:18 32:13	<b>provide</b> 17:17 23:14
plantings 29:21	potentially 36:1,24	<b>primary</b> 17:9 38:6,9	<b>provided</b> 34:9 43:11
30:19 31:13,23	42:10,13 43:2 49:23	38:17	64:2 67:10 74:23
please 4:7 25:9	potter 6:12,12	<b>prior</b> 32:4 38:20	<b>provides</b> 17:9 35:22
35:19 36:5,18,25	practice 69:18	40:23 42:23 45:6	35:24 36:2
38:3,21 39:15 40:14	<b>pre</b> 38:6	<b>probabilities</b> 57:3,4	proximity 56:23
41:9 42:7 43:9 44:4	precise 4:1	probability 36:2	prudent 59:2
45:2 46:9 72:22	predecessor 65:23	43:10,13 44:2,6,7,8	<b>public</b> 2:5 3:24 4:3
pledge 3:5,6	<b>prepared</b> 39:5 40:1	44:16 45:21 46:18	6:7 18:23 31:2
<b>plot</b> 52:11	42:19,23 73:15	47:2 56:4 58:4,14	39:10 51:5,6 60:18
plotted 11:3	77:20	58:18	60:22 73:3 74:4,14
<b>plus</b> 43:1 46:5	prepares 8:21,23	probable 59:2	74:18,21 75:1 76:3
pochuck 19:25	preparing 8:22	<b>probably</b> 4:3 15:5	76:11 81:4,16
	17:11	26:5 69:2 76:5	

published 26:10	railcar 38:19	76:3	remediation 16:18
34:22	raise 52:21	recording 8:25	21:23 22:19 70:18
<b>pulled</b> 44:9,12,12,17	range 1:18 4:21 7:23	records 40:12 41:13	remedies 17:18
44:24	14:16 34:1 48:5,9	42:18 43:14,16 45:8	remedy 18:24
purchase 52:12	54:3	56:10,11 68:25	<b>remember</b> 7:23 13:8
purpose 63:7	ranges 23:24 24:16	recreational 23:21	52:10 59:22 66:1
<b>purposes</b> 27:9 38:2	<b>rankings</b> 36:2 44:6	27:8	reminding 72:12
<b>put</b> 6:17 7:19 11:5	rate 73:23	<b>red</b> 3:12 19:11,22,22	removal 43:20
12:13,21 14:25	rateables 70:10	20:12 21:7	48:22 53:14 57:1
28:15,23 30:12,16	rationale 42:11	redevelop 62:25	removals 42:21
33:1 35:1 55:9 56:4	rci 55:7	redeveloping 49:25	45:14
57:23 58:10,11	<b>read</b> 4:12 5:22 6:11	redevelopment	remove 47:23,25
65:10 66:5 68:15,20	33:22 49:7 54:1	49:22	48:4 49:22 53:10
77:24 78:17,20 79:8	77:11,17 79:3,3	<b>refer</b> 38:1	<b>removed</b> 39:3,5,16
79:13	readily 64:6	reference 10:19	41:25 42:3,15 45:2
puts 8:19 78:22	reading 4:10	referenced 12:15	45:5,9 46:1 47:3,18
putting 28:3	readings 63:17	referred 18:5	53:9 56:10,11,15,17
q	69:11	<b>refine</b> 20:10 41:17	56:19
quantify 42:12,24	reads 59:9 78:10	reflected 10:13	repackage 62:23
quantity 42.12,24 quantitative 23:15	<b>ready</b> 3:15,20 64:10	regarding 6:15,20	replies 72:20
quantitative 23.13 quantities 36:24	<b>real</b> 40:4,12 41:13	regardless 75:18	<b>report</b> 7:19 16:9
quantities 30.24 question 7:18 25:8	42:17 43:16 61:21	regards 4:23	18:20,20 19:22 34:5
25:15 27:7 29:4	realignment 17:5	regional 21:22	35:4,17,18,22 36:7
32:1,25 46:20 49:10	realize 61:21	<b>regs</b> 54:8	36:9,11,12,13,20
50:18 51:11 53:23	really 18:1 47:5 50:1	regular 57:10	39:14 40:1,16 42:12
58:21 64:16 70:12	53:11,12 66:21	regulate 54:5	43:7 44:4 45:4
70:23,25	70:20	regulations 53:24	46:10,19,22 50:23
questioning 74:18	reanalyzed 41:1	regulatory 17:9,14	55:11 66:5,6,8
questions 15:24	reason 4:13 9:14	reiterated 66:7	76:21 77:10,11,17
26:20 33:20 34:9,25	31:7 48:5,13 49:23	relate 54:1	77:17,21,25 78:3,7
58:20 65:18 71:23	reasons 8:3 9:15	<b>related</b> 11:21 24:11	reported 60:12
quick 17:21,21	rec 33:8	27:6 36:22 37:6,10	<b>reporter</b> 2:5 6:24
18:25 19:20	recall 60:1	37:16,23 64:4 70:6	81:4
quite 29:12	receive 15:14	<b>relates</b> 51:11 70:8	reports 17:12,16
quorum 72:18	received 15:14	<b>relative</b> 81:10,12	39:4,6 42:4,19,23
quote 9:5 10:3 74:9	65:25 66:11 67:9	release 39:7	43:15,21 45:10,11
quote 9.5 10.5 74.9	receptors 24:4	relying 10:23	45:15 55:5,6,10,11
r	recommendation	remain 42:13 43:12	60:22 65:8 69:13
r 1:12	24:10	44:1	78:1
<b>rab</b> 3:23 10:25 50:2	recommendations	remaining 45:18	representative 1:14
70:6 71:22 73:10	39:20	46:24 47:4,11,20	1:16,17,19,20 22:25
74:23 77:13,16 78:1	recommended	<b>remedial</b> 15:15 16:8	72:25 73:1,11,18
79:10,13	24:14	16:23,23 17:25 18:9	representatives
radar 59:20 60:2,2,5	<b>record</b> 18:21,24	18:10,14,16,18	78:25
60:6	51:5,7 56:24 70:16		

Veritext/NJ Reporting Company

			C
reprocessed 41:11	reviewing 15:13	S	<b>seeding</b> 30:14,16
reprocessing 41:5	reviews 25:5	samples 21:10,11,12	seen 19:4 50:6 66:24
request 4:17 33:2	<b>revised</b> 3:14 27:23	21:14 34:6	selected 18:25
61:25 65:25 69:2	revision 3:11	sampling 39:25	sell 53:21
requested 42:6	<b>rfp</b> 60:16	sampling 57.25 sara 73:4,5	<b>selling</b> 50:13 53:18
66:13	<b>ri</b> 15:15,23 16:8,12	saw 68:9 74:14 76:1	53:19
requesting 61:9	17:6,11,16,20,23	saying 9:8 13:9	semi 22:18,20
requests 42:5 63:5	18:20,20 19:1,22	25:15 26:14,15,17	<b>send</b> 13:21 61:8,24
<b>require</b> 23:12 74:2	20:17 21:20 22:3	29:13 48:15,18 49:2	63:6,9,10,11 65:23
<b>required</b> 24:18 34:7	24:10 60:23	49:21 50:25 52:1,3	72:11,25 76:21
36:16 40:16,22	<b>rich</b> 8:9 26:20 34:20	64:23 66:23 67:13	sending 73:1
47:23 48:10,18,21	35:9,16 60:20	68:1,2,11 70:16	sense 58:19
48:24	<b>richard</b> 1:16,23	77:10 79:18	<b>sent</b> 3:10 6:4 12:20
requirements 16:18	ridiculing 74:25	says 9:9 26:22 49:8	66:11
17:10,12 23:13	<b>right</b> 3:8,10 11:8,17	50:2	sentence 7:17
24:20	14:18 19:5 24:8	scan 59:12 60:3	separate 11:9
requires 17:5	26:5 28:2,6,7,14,24	scanned 65:14	separately 11:4
requiring 45:14	31:19,25 32:17 35:1	scanner 65:5,14	september 17:4
reread 77:16	35:7,15 50:10,25	69:18,21 70:2	53:13 58:5
resident 1:20	56:22,22 61:20	scenario 25:18	series 24:20
residential 21:24,24	62:16 80:3	54:14	session 65:19
22:19,21 25:2 27:7	riprap 32:3	scenarios 21:24	set 21:1 25:19,24
27:13 37:18,21 55:7	risk 17:1 18:4,6,7	23:22 25:18	26:10 37:4 44:20
residents 75:20 76:9	22:13 23:11,12,15	science 79:15	81:8
77:3	23:24 24:12,15	scope 10:24 31:8	setting 20:21
response 7:18 16:13	25:16,24 26:6,9	screening 18:13	<b>settled</b> 75:10
66:3	60:19	21:22	<b>seven</b> 71:5
responsibility 75:5	risks 23:20 24:14	second 14:22 16:19	sewer 78:21
responsible 75:3	26:3	33:22 36:23 46:23	<b>shade</b> 32:8
restoration 1:1,4	<b>river</b> 31:19	72:4,7 80:2	shaking 12:17
result 18:7 65:24	<b>road</b> 28:2,10,14,24	section 18:11 29:2	<b>shame</b> 74:19,19,21
results 20:17 22:3,9	28:24 33:19	36:7	74:25 77:8
23:10,23 39:13,24	<b>role</b> 17:15	sections 65:9	<b>shaw</b> 39:19 40:1
41:16 43:3 46:2	roundtable 61:1,2	sediment 21:14 23:9	<b>sheets</b> 12:21 77:23
retired 11:24	73:13	23:17 63:21 69:9,10	79:4
<b>return</b> 53:20	<b>route</b> 52:17 65:20	see 6:18 11:14 14:3	<b>shore</b> 31:14
revealed 41:17	rule 52:8	19:10,10,22 20:2,12	shoreline 31:13
reveals 75:8	<b>rules</b> 37:5	20:13 22:17 28:14	shorelines 31:10
revenue 70:10	<b>run</b> 75:2	32:15 33:8,18 49:3	<b>shorthand</b> 2:5 81:4
review 5:3 6:5 8:3,6	<b>running</b> 19:7,24	49:23 58:2 59:9	<b>show</b> 56:11 61:21
11:11 14:6 17:15	29:6	63:3,17,22 64:5,15	65:7 67:12 68:4
40:11 42:14,20,23	runs 19:25	66:20 67:14 72:1	73:15,17
45:8 46:11 60:22		74:11,12 77:14,21	<b>showed</b> 21:7 23:23
reviewed 34:1		78:11	55:12,15 57:19
		/0.11	67:11

[showing - summary] Page 15

showing 22:9	slanderous 79:1	<b>stabilize</b> 28:3 29:13	<b>stoop</b> 75:15
<b>shown</b> 16:25	<b>slide</b> 16:9 19:19	stabilized 31:12	storage 35:23 37:3,5
shows 40:13	20:14,15 23:10 24:9	<b>stable</b> 19:17	38:16,17
si 38:2 39:18,20 40:1	25:7 27:20 35:18,20	<b>staged</b> 38:19	<b>store</b> 37:19
40:16	36:5,18,25 37:1	<b>standard</b> 22:8,15,21	<b>stored</b> 38:13
sic 65:23	38:3,21 39:15 40:14	22:22	<b>story</b> 54:11
side 20:4,5,6	41:9 42:7 43:8,9	standards 6:23	stream 29:6,7,8,8,10
siekerka 65:22	44:4 45:2 46:9	21:23,25 22:17,20	29:14,15,21 31:20
sign 52:14	73:15	23:4,5 25:11,13,22	63:20 64:8 75:20
signed 73:3	<b>slides</b> 19:2 38:4	26:10,19 34:8	78:13
significant 31:23	65:10	standpoint 20:20	streams 31:23 70:11
75:7	<b>small</b> 19:14	start 3:5 15:21 17:3	strike 58:6
signing 77:9	smelting 78:17	<b>started</b> 3:4 55:16	stringent 25:13
silt 20:25	<b>smile</b> 52:6	57:25	<b>strings</b> 74:14
similar 11:4	<b>smith's</b> 73:18	starting 38:5	<b>strong</b> 40:13
simon's 77:15	software 41:2	state 2:5 13:11 19:7	structural 46:1
<b>simple</b> 20:21	soil 21:10,23 22:4,5	26:18 34:23 35:4,5	structures 38:11
<b>simply</b> 76:19 79:2	22:19,22 23:16,20	48:19 52:12,17 61:5	40:5 43:17
simun 1:23 35:13	23:23 24:22 26:22	66:15,19 67:3,14,16	studied 48:14
46:16 47:7,12	51:18 64:11	67:20 81:4,16	studies 21:17 70:23
<b>simun's</b> 12:20	<b>soils</b> 22:1	<b>stated</b> 7:5,18 8:17	<b>study</b> 6:16,21 7:2
<b>single</b> 55:24 74:19	<b>sold</b> 75:19	15:8 17:14 30:9	10:19 11:1,11 12:2
site 12:2 16:18,21,25	solidifies 18:24	<b>statement</b> 7:8 12:7	12:7,9 15:15 16:8
18:4,10,25 19:14	somebody 32:7	13:19 65:19 66:3,10	17:2 18:11,13,15,19
20:18 21:17 23:1	<b>sorry</b> 6:13 8:11 15:1	75:6 79:16	24:5 47:16 59:12
24:2,5,11 25:17	<b>sort</b> 6:14 8:19 12:6	statements 77:2	<b>study's</b> 12:10
26:12 28:19,20	31:21 58:23 59:6	79:1	<b>stuff</b> 11:12 28:4,16
36:13 37:17,20	70:9 71:1	stating 6:15	64:9 65:5 66:22
39:18 41:14 44:25	sorts 29:21 59:13	statistics 74:13,13	78:11
52:24 54:18 58:19	sought 71:3	<b>status</b> 60:17	<b>sub</b> 22:5
60:19 62:6 64:2	<b>sound</b> 11:17	stay 34:24 35:3	<b>subject</b> 33:12 61:4
65:8 73:22 78:12	<b>sounds</b> 14:19 74:17	steel 43:23 44:15,17	<b>submitted</b> 39:6 42:5
sites 17:7,19,24,24	<b>source</b> 56:1,2	44:23 56:11,13,20	45:11,11 46:11
26:11,15,16,18 44:8	<b>south</b> 19:7,24	56:21,23 57:1	subsequently 42:3
44:16,16,20,21,22	<b>space</b> 19:18 27:19	stenographer 9:12	subset 22:24
44:23 46:20 48:22	<b>speak</b> 25:9 50:6	10:5	substances 37:8
53:18,19 58:14,16	54:15 72:10	stenographer's 5:3	successful 65:21
62:25 63:22	speaking 63:25	stenographic 2:2	sufficient 41:4
<b>situation</b> 50:8 52:8	specialist 26:6	stenographically	suggest 52:18
six 21:11,14	specific 19:2	81:7	suitable 29:11
<b>size</b> 57:13	<b>spike</b> 13:7	stenography 8:24	<b>sum</b> 11:4 44:1
<b>skin</b> 25:20	squabbling 61:14	<b>step</b> 74:7	summarizes 23:10
skipping 62:20	<b>squire</b> 62:6,13,15	stereotype 54:2	23:25 24:9
<b>sky</b> 77:10	stabilization 29:8,16	stewardship 71:12	summary 16:22
	32:20,24		17:2,21,21 19:1,20

[summary - u.s.] Page 16

20:16 24:17 36:4,21	tank 35:11,18,23	things 4:15 7:10,11	touch 34:23,24 35:3
43:7 45:3,5 46:13	37:3,5,13 39:1	15:1 27:17 33:23	tour 32:15 33:1 63:7
46:25 65:1 67:11	41:24 43:22,22 44:9	50:11 51:12,19 52:7	63:7,8
sunspot 59:13	44:12,17,22,23,24	62:23 68:16 71:10	tours 63:6
super 59:21,21	48:19 49:21 51:16	79:5	town 61:22 70:16
sure 15:6 25:5 27:22	56:21,22,23,25 57:1	think 6:2 8:7 10:23	71:12
28:22 29:13 34:25	57:15,15	11:5 13:3 14:2,16	towns 32:7 51:12,23
51:3,13 68:20 74:22	tanks 37:4,14,18	19:19 25:6 26:5	61:4,11 71:11 76:9
<b>surely</b> 78:21	38:17 41:15 45:5	28:24 32:18 33:4,9	77:4
surface 21:10,12	48:12 49:24 51:14	51:9,22,24 52:24	transcript 1:4 2:2
23:8,17 28:15 29:23	53:11 54:13,24	53:5,16 59:5,23	4:12 8:7,16,18
34:6,8 37:11 63:21	56:10,12,13,15,17	63:1 65:17 66:25	13:21 14:21 81:6
69:8	56:19,20,20 57:11	78:10	transited 27:9
surround 62:6	tape 4:13 9:9 14:7	thinking 58:22 74:2	transported 38:20
survey 39:24 41:6	14:12 77:1	thought 6:67:21	trash 28:20
42:23 52:25	tarantolo 73:19	10:12 54:19 67:23	treatability 18:15
surveyed 78:9	targeted 21:18	70:9 71:15	tree 32:8
surveys 39:9,21	targets 18:9	thousand 58:4	trees 26:24,24 27:2
40:18 41:16,22	tasks 52:4	three 18:12 20:3	27:4 31:14 32:21
54:22	technical 16:17	39:17 42:1 60:8	<b>trenching</b> 34:13,15
suspected 40:9,17	35:25 42:9	61:11 62:18	trenton 68:13
41:8,21 46:7	tell 49:15,19 60:9	thursday 1:8 2:7	trick 74:15
svocs 11:9 22:12	telling 30:25 57:22	72:4,4,7	tried 11:8,9 28:3
symbols 20:3	ten 28:1,13 66:21,21	till 33:13	65:20
synopsis 8:19	tentative 72:2	time 3:14,19 4:5	true 47:18 48:4 52:8
synthesis 40:4	term 13:14 25:1	13:6,8 15:5 26:9	81:6
<b>system</b> 37:13 43:17	37:25	34:15 39:17 47:17	<b>trust</b> 74:4
t	terminology 40:8	57:10 60:24 61:22	<b>truth</b> 75:18
table 15:20 43:7	47:4	62:25 63:17 65:14	<b>try</b> 27:2 34:24 49:14
45:4	terms 22:11,15 23:3	74:24 77:7,11,22	50:15 51:25
<b>tailor</b> 26:8	26:1	79:2 81:7	<b>trying</b> 6:11,18 10:3
tailored 25:17 26:7	terrible 59:14	timeline 35:24 38:5	11:6 15:9 34:21,22
take 3:13 14:5,21	test 21:4 41:23	times 60:8	62:8,23 69:5 79:2
15:5 22:2 30:17	tested 51:18 60:8	tinton 75:23	two 4:15 16:24 19:4
50:8 51:17 52:1	<b>testing</b> 59:6 64:10	today 20:11 23:1	20:5 22:9,12 30:12
58:3 65:9 69:2	74:3	today's 34:7	38:20 49:11 58:4
74:24 79:2	thank 10:16 13:24	<b>told</b> 4:4 57:17 58:7	66:17
taken 2:4 24:19	14:13,24 33:16	60:12 67:8	<b>type</b> 32:8 33:8 43:18
63:20 81:7	34:19 35:7,8 60:20	tonight 3:2 14:20	44:9,11,13,17,19,25
takes 8:18	80:4	15:1	48:24 51:4 63:6
talk 71:21	thing 7:10 8:5 20:7	topic 10:18 52:21	<b>types</b> 57:3
talking 62:18 63:3	29:20 51:22 52:16	topography 63:1	u
67:14,18	63:2 65:18 66:6	topsoil 20:22 30:13	<b>u.s.</b> 21:21 36:9
37.11,10	68:18 73:23	<b>total</b> 21:9 45:9	<u> </u>

[**uhot - z**] Page 17

<b>uhot</b> 15:17 35:12,23	user 23:21	wampum 7:20	<b>wood</b> 19:6 28:21
36:2,6,20 37:2	uses 24:16 26:13	13:10 73:21 75:4,10	39:1 42:16 45:7,20
40:10,11,13,21	27:16 78:16	78:8	58:16 75:7
42:15,21 43:10 44:3	ust 37:2 42:18 45:22	<b>wanda</b> 1:13 16:6	woods 32:6
44:6,7,15 45:1,2,4	55:1	35:15 50:18 71:25	<b>word</b> 4:3
45:15,23 46:10 47:9	usts 36:16 38:1,24	74:21,25 75:14	words 4:1 65:1
48:2,23 57:25	39:2 53:2 55:12	wandas 74:16	work 18:2 46:8
<b>uhots</b> 36:1,17,22,24	<b>usually</b> 3:7 5:10	<b>wands</b> 74:16	59:15,17 76:18
37:25 38:13,16,21	15:2 17:24 27:3	<b>want</b> 9:6,17,19	<b>worked</b> 78:19
39:1,3,5,11,16,17,23	71:15	13:19 14:15,23 15:3	working 75:1
40:9,17 41:4,8,21	utilities 57:20	15:5,19 27:3 31:2	works 8:20 39:10
42:1,1,4,10,13,15	utilized 38:16	35:1,3 50:8 54:15	<b>worn</b> 70:1
43:3,12,20,25 44:11	v	61:6,11 63:7 65:11	worried 79:7
45:9,10,18 46:7,7		72:10 76:2	worse 7:7,21 78:5
46:24 47:3,11,18,23	values 63:17	<b>wanted</b> 8:3 9:14	worst 54:13 76:10
48:1 54:5,7 76:5	varied 20:18	15:18 53:10	<b>worthy</b> 74:10
<b>un</b> 47:3	various 41:7	wants 9:25 75:17	wrapped 18:19
unable 72:9,22	vegetated 19:17	water 21:12 23:8,17	writing 3:12
underground 35:23	24:22 26:22	63:21 69:8 74:5	written 17:22 78:8
37:2 57:21	<b>vegetation</b> 32:2,5,23	way 6:9 7:19 22:4	wrong 60:11
understand 10:11	33:8	25:23 70:21 78:7	X
10:14 15:13 54:4	verbatim 8:16 65:2	ways 59:7 61:15	
67:5,24 69:4 77:5	verification 41:19	62:5	<b>x</b> 9:8
78:7,22 79:6	41:22 42:3 43:3	we've 10:23 58:10	y
understanding 11:2	verify 79:4	63:3 71:2,2	<b>y</b> 9:8
12:6 79:14	version 12:23 77:20	wealth 67:1 68:12	<b>yard</b> 48:3
understands 78:19	versus 26:12	wear 33:22	<b>yeah</b> 4:4 6:1 9:16
understood 11:22	view 19:9 27:19	website 12:9,11 51:3	10:7 11:23 12:10,12
undiscovered 47:3	28:9 33:14 71:4,8	67:10 79:10	13:17 14:9 30:2
unknown 44:10,14	viewpoint 33:24	week 15:17 59:10	32:12 33:3,6 47:7
44:18,19,25	visible 28:7 64:6,6	wells 20:4 21:11	56:18 59:23,24 60:4
unquote 74:9	64:10	went 21:5 55:4	61:15,17,19 62:22
unregulated 35:11	volatiles 22:18,20	57:11	64:19 65:13 67:20
35:17 37:12	<b>volume</b> 37:8,9,21,22	west 20:5	67:25 68:19 70:13
unresolved 45:22	78:20	wetlands 71:6	71:7 72:8
unwise 52:16	vote 3:15 5:1,6,13	white 55:18,19,22	year 55:24 56:1
updated 41:2	14:25 72:18	55:25 57:7 58:12	66:25
upland 71:8	voting 3:8 14:19,20	wide 24:5 51:7	years 32:4
<b>urban</b> 13:11,14	72:18	widely 10:20	Z
use 4:7 19:18 24:25	W	wilson 28:12,13	<b>z</b> 9:8
25:3,4,5 27:7,8,19	<b>wade</b> 1:9 2:6	wiped 58:8	L 7.0
38:10 42:9 50:12	wait 6:25 8:11 33:13	<b>wisdom</b> 49:20	
65:6 69:20 70:3	46:15	wise 52:3 53:17	
usepa 21:22	<b>waiting</b> 4:16 34:2	wondering 64:25	
•		71:14,16	