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EPA PUBLIC MEETING  
  
MONTROSE SUPERFUND SITE  
  
DNAPL OPERABLE UNIT  
  
PRESENTATION AND PUBLIC COMMENT  
  
NOVEMBER 8, 2014  
  
19800 SOUTH VERMONT AVENUE  
  
TORRANCE, CALIFORNIA

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1 TORRANCE, CALIFORNIA, SATURDAY, NOVEMBER 8, 2014

2 10:32 a.m.

3

4 MR. DIAZ: Welcome, everybody. Thank you guys so  
5 much for coming. I just wanted to thank everybody for  
6 joining us today, and good morning, everyone, also. My name  
7 is Alejandro Diaz. I'm with the U.S. Environmental  
8 Protection Agency. I'm the community involvement  
9 coordinator, and I have to my left here Yarissa Martinez who  
10 you'll be hearing very shortly from about the DNAPL  
11 contamination and the proposed plan itself, and then I also  
12 wanted to give an opportunity for any local officials that  
13 would wish to identify themselves to just really quickly  
14 identify themselves. So I'm not sure --

15 MR. WARREN: I could say I'm Scott Warren. I'm a  
16 geologist for the State of California.

17 MR. DIAZ: Great. Anyone?

18 MS. LY: Good morning, everybody. I'm Phunong Ly  
19 with the Water Replenishment District. I'm an engineer, and  
20 I manage the Groundwater Contamination Prevention Program.

21 MR. DIAZ: Great. Thanks. I also wanted to  
22 introduce someone that's really important. We have been  
23 working in the last couple of years with an independent  
24 technical advisor, and he's here today. I just wanted him to  
25 wave to us. Marcus, if you can just say hi to everyone.

1 Thank you. Marcus, has been really great, and we like having  
2 him here. If you guys have any questions for him, if you  
3 kind of wanted to talk to him during any of the breaks,  
4 you're more than welcome to, and he has agreed that he is  
5 also willing to talk to any community members.

6 So finally we're here to talk about the Montrose  
7 DNAPL proposed plan. We use the word -- term "DNAPL" a lot,  
8 and we'll be explaining it in the presentation. I just  
9 wanted to let everyone know we have restrooms just kind of  
10 right around the corner. The sign-in sheet is also really  
11 important. It's over on that table. So we're hoping that  
12 everyone who has a chance can get to sign in. I am also  
13 going to say something in Spanish really quickly in case we  
14 have anyone who needs Spanish interpretation.

15 (Testimony in Spanish.)

16 MR. DIAZ: There's also some coffee and pastries  
17 available in the back, and if you can please silence or turn  
18 off your cell phones. I just want to give you guys a run  
19 through of the agenda really quickly. This is a lot  
20 different than normal public meetings. This is an official  
21 meeting that's required by law. So there's a lot of things  
22 that need to run in a particular order. The first thing that  
23 you'll hear from is you'll hear from me for about 10 minutes  
24 which you're doing is now which I appreciate.

25 Secondly, Yarissa will talk about the plan for a few

1 minutes, and then afterwards or during the presentation, if  
2 you have any clarifying questions, feel free to ask those.  
3 Clarifying questions are, you know, what is the area of  
4 DNAPL, if it's not clear or things like that, and then  
5 afterwards the formal public comments. We'll let everyone  
6 who wants to say some public comments to come up to the  
7 microphone here, and originally I had planned for three  
8 minutes, but it doesn't look like there's a lot of folks  
9 here. We'll kind of just let you run as long as you would  
10 need to -- to make those formal comments. We're also not  
11 going to do the public speaking cards because of the same  
12 reasons. Sometimes there's a lot of people, and we want to  
13 keep track of everyone. So we'll just kind of do it by raise  
14 of hands when we get started with the public comment period.

15 Then also, just wanted to let you know that the  
16 public comment period has been extended through February  
17 13th, 2015. We announced that on the website, and we have a  
18 postcard that will be coming to the community to the same  
19 names on the list that everybody received letting people know  
20 that the public comment period has been extended to February  
21 13th, 2015, and in addition, one of the things that's  
22 different in this public meeting is that we also have a court  
23 reporter here to my right who is recording, who makes sure  
24 that your comments are recorded accurately. So when you guys  
25 do come up, the first thing I'm going to ask you guys to do

1 is approach the court reporter and just make sure she has  
2 your name correctly.

3 Finally, there's these ways of submitting public  
4 comments also. You don't have to submit them today if you're  
5 not ready. There's e-mail. There's regular mail. There's  
6 phone and fax, and also if you don't like speaking in public  
7 but would rather just say something, then after the meeting,  
8 you can approach the court reporter, and she can transcribe  
9 your comments herself. So that being said, I'll go ahead and  
10 turn it over to Yarissa who is going to talk a little bit  
11 about DNAPL.

12 MS. MARTINEZ: Hello. Can everybody hear me? No?  
13 Yes? I know that during the DNAPL workshop, a lot of people  
14 complained that I wasn't using the mike correctly. So now I  
15 have two. If anybody feels that I don't -- I'm not able to  
16 express through the mike, let me know, and I can get the  
17 other one, just double it. Okay. So good morning again.  
18 Thanks for being here so early. As Alejandro said, I'm going  
19 to be talking about DNAPL. I would like to talk to you about  
20 the Montrose Superfund Site. I will start with what is  
21 DNAPL. A quick summary of basic facts of the former Montrose  
22 property and the previous activities that caused DNAPL to be  
23 in this site. Followed by a description of components of the  
24 DNAPL and how remediation of groundwater has been decided and  
25 how it affects DNAPL. The differences between mobile and

1 residual DNAPL, technology screens, remedies evaluated, and a  
2 preferred remedy for DNAPL. So please bear with me through  
3 this presentation.

4           So what is DNAPL? To give you a mental picture,  
5 DNAPL looks like molasses. DNAPL is a term given to one or a  
6 group of substances that do not dissolve in water easily and  
7 are heavier than water. So it doesn't float. As the term  
8 says, it is still considered a liquid, and it is not water.  
9 It has its own characteristics and depending on the  
10 contaminants is how you can treat it. DNAPL at the former  
11 Montrose Plant Property happened as a result of the  
12 production of DDT and management of the chemicals used to  
13 make the pesticide. A little background about Montrose, it  
14 was the largest manufacturer of DDT in the United States,  
15 active from the '40s to the '80s and produced up to 7 million  
16 pounds of DDT per month.

17           This means that approximately 80 million pounds per  
18 year of technical grade DDT powders, which were manufactured  
19 in this property and included a network of waste streams,  
20 waste ponds, sanitary sewers, and even dumped in the open  
21 ocean. Therefore, in this site we have groundwater, soil,  
22 and surface water contamination from previous DDT  
23 manufacturing activities. The Montrose Superfund Site was  
24 included in the National Priority List, which is a list of  
25 the most contaminated sites in the US in 1989. It has been

1 divided in seven operational units to address all the media  
2 that had been affected.

3 EPA, the lead agency, makes the final remedy  
4 selection and documents it in a decision document. So this  
5 slide will give you a snapshot of the chemistry behind DDT  
6 activities in the Montrose Property. This is important  
7 because you will see some of these chemicals later on in this  
8 presentation. So you have the raw materials which are  
9 Chloral and Monochlorobenzene, which we will refer to as  
10 Chlorobenzene, which are mixed with Sulfuric Acid, which is a  
11 very strong acid that is used as the catalyst to react and  
12 produce DDT.

13 So as you saw in the previous slide, Chlorobenzene  
14 was used to produce the pesticide. The DNAPL that we have in  
15 this site is composed approximately half DDT and half  
16 Chlorobenzene by weight. Let me talk a little bit about  
17 these two contaminants. DDT is a pesticide that was widely  
18 used in the 1950s and '60s very effectively against malaria  
19 and other insect carrying diseases before being banned in  
20 1970s. DDT is a white waxy solid that attaches to soil  
21 particulates and remains in the environment, without breaking  
22 down easily. DDT is not soluble in water, but when it is  
23 mixed with Chlorobenzene it forms DNAPL. Chlorobenzene is a  
24 semi-volatile, meaning that it can evaporate easily and  
25 dissolves little in groundwater.

1           These two contaminants that make up the DNAPL when  
2 looked at separately have the following characteristics:  
3 DDT, pesticide, bioaccumulates, meaning that it stays in the  
4 body of animals through the food chain. It is highly toxic  
5 to wildlife even at low concentrations, affects the way the  
6 human body deals with hormones, and it is a know carcinogen.  
7 Chlorobenzene affects the liver, and it is not a carcinogen.  
8 By the mid 1960s, the area saw additional industrial and  
9 commercial growth. I want to point out where the central  
10 processing area was, because that is where we found DNAPL.  
11 The next picture shows an archive picture of the processing  
12 equipment for technical grade grinding. So by 1982, Montrose  
13 had discontinued the production of DDT, and in 1985 an  
14 asphalt cover was installed on the surface. As you can see,  
15 the former Montrose Plant Property is vacant, and it is  
16 surrounded by commercial, industrial, and residential areas.  
17 Currently the water treatment plant is being built here and  
18 will be completed in a couple of weeks.

19           So now that we have seen the area and have a little  
20 bit of story of the site, I would like to talk to you about  
21 how DNAPL and groundwater are related. To give you an easy  
22 example, if you have a gallon of milk in the fridge, and it  
23 has a hole and you see milk everywhere and you start cleaning  
24 up the milk, but you don't remove that gallon of milk or  
25 empty it, you will still have a lot to clean up. So DNAPL is

1 like that gallon of milk that you -- that we are seeing as a  
2 source. So it would be the source of the groundwater plume.  
3 Again, the DNAPL happens just -- and you'll see it in the  
4 maps following this. It just happens inside the Montrose  
5 Plant Property.

6 So I want to stress that the drinking water for all  
7 Southern California from water purveyors, LADWP being one of  
8 them in the area, and that there are not drinking water wells  
9 in the contaminated water, and at least one mile away from  
10 the plume, and they are sampled routinely. So let's talk a  
11 little bit about the groundwater remedy. Around the 1980s  
12 and '90s, EPA determined that due to the mixed groundwater  
13 contamination from Del Amo and Montrose, a dual groundwater  
14 remedy should be in place. In 1999, the record of decision  
15 for this dual site groundwater was published to prevent  
16 exposure and to address the various contaminants in the site.  
17 One of the main active remedies of this decision is the  
18 groundwater treatment plant. There's a picture just looking  
19 towards Normandie of the new groundwater treatment plan. So  
20 to put everything in perspective, here's -- I'm going to need  
21 your pencil.

22 Here's Montrose and Del Amo. So you have Montrose  
23 and then you have the Del Amo Superfund Site, and you have in  
24 red, you can see the Benzene plume from Del Amo, groundwater  
25 plume, and you can see green which is in the middle, the

1 Chlorobenzene plume, and then you can see the blue blob or  
2 the blue plume is the TCE that comes from different TCE  
3 parties -- responsible parties. So one thing I want to point  
4 out in this map is the dark blue area right there. So it has  
5 two different parts of it. That's the DNAPL -- the mobile  
6 DNAPL inside the Montrose property. The green boundary that  
7 you can see very defined, that includes mobile and residual  
8 DNAPL. Again, it just happens inside the Montrose Plant  
9 Property. So this slide was included in the proposed plan.

10           NAPL occurs in two forms, LNAPL and DNAPL, and even  
11 though the concepts are the same for this slide and related  
12 to the slide, we'll refer to it as DNAPL. So in this figure  
13 you can see a drawing of mobile and residual. The mobile  
14 DNAPL is the mass that holds together and it's continuous.  
15 Because of the properties of DNAPL, some portions get stuck  
16 between the soil particles, and those portions are considered  
17 the residual DNAPL. As we said -- and as we said in the  
18 October workshop, once it becomes residual, it does not  
19 become mobile. So DNAPL has been defined by more than 200  
20 soil borings, which are holes in investigations we did in the  
21 ground for over 10 years, and it was detected from a minimum  
22 of seven feet below ground surface up to a maximum of 101.5  
23 feet below ground surface.

24           This shows the extent -- the lateral extent of  
25 DNAPL, which when you add up the two blue areas, it's almost

1 half the area of a football field. Simply stated, the  
2 revenue objectives for the DNAPL in this area are to prevent  
3 human exposure to DNAPL, limit the migration and reduce  
4 mobile DNAPL contamination as much as possible and to make  
5 sure DNAPL does not continue to act as a source of  
6 groundwater contamination. During the process of looking at  
7 what technologies are able to address the DNAPL at the site,  
8 we looked at many technologies. Some of the technologies  
9 that we looked on at early stages included Hydraulic  
10 extraction, bioremediation, or other injections to reduce  
11 contaminants, excavations and slurry walls. However, due to  
12 the contaminants, the location of the site, depth of the  
13 contaminants, and the groundwater plume of the area, most of  
14 these technologies were discarded because they were not the  
15 right actions for the site.

16           The technologies that were right for the site were  
17 when we looked a little bit further. In summary we have  
18 eight remedial actions composed of four different  
19 technologies, SVE, hydraulic displacement, steam injection,  
20 and electrical resistance heating, and various institutional  
21 controls are being considered in this plan. So going to the  
22 technologies that were considered, one of the technologies  
23 that was considered as part of all the different remedial  
24 actions active is the soil vapor extraction. It mainly -- it  
25 basically vacuums vapors out of the soil and treats the

1 vapors on the site. With this technology, you would drill  
2 extraction wells into the contaminated soil to a depth above  
3 the water table and attached to the wells is equipment that  
4 creates a vacuum. The vacuum pulls air and vapors through  
5 the soil and up the well to the ground surface for treatment,  
6 and this is what you would see at the site. In your -- you  
7 see the Del Amo soil vapor extraction system.

8           The other technology that was considered was  
9 hydraulic displacement. Hydraulic displacement, in summary,  
10 uses injection and extraction wells of water to move  
11 contaminants. Extraction and injection of the groundwater at  
12 the same time to help control water flow and pull DNAPL  
13 toward extraction wells, and this is what you would see at  
14 the site. It's usually underground wells. Two of the active  
15 technologies that can address DNAPL are thermal remedies. In  
16 thermal remedies, heat is applied to the ground to turn  
17 contaminants into vapors so as to collect and treat them. In  
18 situ, which just means at the site, thermal treatment methods  
19 heat chemicals and soil and groundwater to turn them into  
20 vapors. The chemicals move through soil and groundwater  
21 toward wells where they are collected and piped to the ground  
22 service to be treated.

23           One of the thermal remedies is called steam  
24 injection where steam is injected underground to help turn  
25 contaminants into vapor to help collect and treat them. It

1 injects steam underground by pumping it through wells drilled  
2 in the contaminated area. The steam heats the area and  
3 mobilizes and evaporates the contaminants. The electrical  
4 resistance heating is another type of thermal remedy. It  
5 delivers an electrical current between metal rods, called  
6 electrodes, installed underground. So heat is generated as  
7 movement of the current meets resistance from soil converts  
8 groundwater. So it basically -- there's metal rods in the  
9 ground that you apply electricity and this will heat the  
10 contaminants and vaporize them, and then you can collect  
11 them. So the proposed remedies are listed here. I'll go  
12 through each of them individually.

13 EPA is required to look at this alternative, no  
14 action, and the reason of it is to be able to compare what  
15 would happen if we didn't do anything at the site. Our  
16 second alternative will be just doing institutional controls.  
17 Institutional controls are legal and administrative controls  
18 that applies to properties to minimize the potential for  
19 exposure. So in this case, it would be a land use covenant  
20 that will restrict activities at the Montrose property for  
21 industrial use. Our remedial alternative number three would  
22 be to make sure of institutional controls and soil vapor  
23 extraction. The remedial alternative four would be hydraulic  
24 displacement. We have two different versions of the  
25 alternative four which included with treated water or with

1 untreated water.

2 Our remedial alternative five would be steam  
3 injection and it's included steam injection only on the  
4 mobile DNAPL or over the entire DNAPL area. And our sixth  
5 remedial alternative would include electrical resistance  
6 heating, or as we call it, ERH, over the mobile DNAPL area or  
7 over the entire DNAPL area. So EPA, after -- after we go  
8 through the technologies considered and we make up remedial  
9 alternatives, we do a comparison, which is part of our  
10 regulations and we look at if they're protective of human  
11 health and the environment which determines whether the  
12 alternative eliminates, reduces, or controls the threats to  
13 human health. We take a look at the compliance which is,  
14 does the remedy comply with local, state, and federal  
15 regulations. We look at long-term effectiveness which is  
16 considered an alternative ability to maintain reliable  
17 protection of human health in the environment. We look at  
18 the mobility reduction, quality of reduction, which means if  
19 the treatment addresses or reduces the contaminants on site.

20 Then we look at short-term effectiveness which says  
21 if during the implementation process, there's any adverse  
22 effect to human health in the environment. So this is just a  
23 pictorial graph of how we do this comparison. As you can see  
24 here, our remedial alternative, the one that is preferred by  
25 EPA, is the one that most complies with all of the different

1 requirements. So looking at long-term effectiveness,  
2 reduction of the mobility, the volume, and then comparing it  
3 to cost, we have chosen ERH, focused treatment area as EPA's  
4 preferred remedy. The duration of this ERA implementation  
5 would be from three to seven years, and it would cost between  
6 20 and 25 million. Again, I would like to say that the cost  
7 presented here is basically a comparison tool. So it might  
8 be up or down a little bit. It's not the actual cost for  
9 implementation. So following the regulations that --  
10 following the superfund regulations, we are required to  
11 choose a remedy that is the most cost effective.

12           This would be a diagram of how the electrodes would  
13 be put in the ground for electrical resistance heating  
14 applied to the two areas that have mobile DNAPL. These are  
15 just pictures of another ERH implementation in San Francisco.  
16 Our estimated schedule for this, today is the proposed plan  
17 meeting. We have extended the public comment period all the  
18 way to February, and hopefully by 2015, we have a record of  
19 the decision very late in 2015, and we can start the remedial  
20 design and the remedial design would be starting in 2015,  
21 2016. And then by 2018, hopefully the remedial construction  
22 and clean up happens. And Alejandro will rap up this.

23           MR. DIAZ: So again, February 13th is the last day  
24 to submit public comments. If you're sending them by mail,  
25 they must be postmarked before or on February 13th, and in

1 addition, what happens next is that the EPA takes the public  
2 comments as a criteria for -- as one of the nine criteria for  
3 finally making a decision, and EPA will provide a response to  
4 those comments submitted when we publish the record decision  
5 itself. So that concludes our meeting -- I mean, no. Not  
6 our meeting. I'm sorry. That concludes the presentation.  
7 Right now I just wanted to open the floor up if anybody had  
8 any clarifying questions, if something wasn't clear, if you  
9 would like one of the alternatives to be explained a little  
10 bit more or anything like that. Anybody?

11 UNIDENTIFIED SPEAKER: Yes. Explain the  
12 bioremediation more.

13 MS. MARTINEZ: So hello. So bioremediation, it was  
14 not retained because of the high concentrations of  
15 Chlorobenzene we have in the area. DNAPL are toxic to  
16 Chlorobenzene in creating bacteria. So during the section  
17 four of the FS, we do this because there was some returned  
18 data that indicated a Chlorobenzene can be biodegraded to  
19 some extent and also DDT is not biodegradable. So it was  
20 ruled out.

21 MR. DIAZ: Did you have a follow-up to that, or did  
22 you have something else?

23 UNIDENTIFIED SPEAKER: No.

24 MR. DIAZ: Yes?

25 MS. C. MEDINA: (Inaudible).

1 MR. DIAZ: Yes. How will you handle the extracted  
2 vapors?

3 MS. MARTINEZ: So everything will be on a vacuum  
4 which is part of this whole vapor extraction system and  
5 everything will be filtered.

6 MR. DIAZ: And can you clarify if we know how we  
7 will be treating those? I think that was his question. What  
8 type of treatment?

9 MS. MARTINEZ: So as of now, we're evaluating the  
10 use of carbon. So we will not have any flames or any thermal  
11 issues at the site. We will not.

12 MS. C. MEDINA: I don't know if this pertains to it,  
13 but you mentioned that it was going to cost -- an estimated  
14 cost of 20 to 25 million just for the DNAPL extraction. So  
15 the (inaudible) clean up was 20 million -- or 10 million.  
16 Sorry, and the water that construction is going on for the  
17 water clean up now, wasn't there any discussion of how much  
18 money is spent to clean up compared to just removing the  
19 people, you know, get the people out of the way and just  
20 cover it all up and just save all that money? It's -- that  
21 is a lot of money.

22 MS. MARTINEZ: I understand.

23 MS. C. MEDINA: And during this whole process we're  
24 still exposed. No matter how filtered or how clean  
25 everything that you propose to do, we're still going to be

1 exposed. It's still going to be there. When you use the  
2 example of the gallon of milk spilling into a refrigerator --  
3 so we have this contamination spilling into our soil and  
4 where we live, and you're going to clean it up, but you're  
5 not removing the gallon of milk. You're not removing the  
6 DNAPL that's the -- the resistant one.

7           Anyway, this is not my expertise, but to compare the  
8 money that you're spending on clean up is nothing compared to  
9 just removing the people out of the danger. I mean, in my  
10 opinion, it's (inaudible) to why would the government who was  
11 always, always saying that, you know, they're stretched out  
12 to the max, and they don't have money for this and for that  
13 and they can just spend 20 million dollars like that to clean  
14 up something that's not even guaranteed to be cleaned and  
15 it's not going to guarantee that we're going to be safe. I'm  
16 getting emotional here so here you go.

17           MR. DIAZ: So thank you, Cynthia. If you want to  
18 come up during the comment period and say that again, you're  
19 more than welcome to. If not, we'll consider that as a  
20 comment.

21           MS. C. MEDINA: Thank you.

22           MR. DIAZ: So is it another clarifying question?

23           UNIDENTIFIED SPEAKER: In other words, will there be  
24 a competitive cost comparison between removing people and the  
25 cost of the clean up? Will there be a very clear cost

1 comparison?

2 MS. MARTINEZ: I don't know if that was ever done.  
3 I think, you know, following the superfund process -- and I'm  
4 sorry. I have to go back to what I'm presenting here. We  
5 just looked at the technologies available to mediate the  
6 issue at hand.

7 MR. DIAZ: So it it looks like we're --

8 UNIDENTIFIED SPEAKER: Just a clarifying question.  
9 I realize this is a DNAPL meeting, but you had a slide  
10 covering the groundwater treatment system. Can you just  
11 clarify on whether or not that groundwater treatment system  
12 is in operation now? Are you done with the construction of  
13 the treatment system?

14 MS. MARTINEZ: No. We're not. It should be --  
15 construction should be completed in the next couple of weeks.

16 MR. DIAZ: Okay, and with that --

17 UNIDENTIFIED SPEAKER: And again, I guess it's  
18 outside the scope of this public hearing, but, you know,  
19 perhaps some greater understanding of the relationship of  
20 that groundwater clean up system to this might well be  
21 helpful in the group understanding here in the room.

22 MS. MARTINEZ: Okay. So can you put the slide of  
23 the groundwater plumes? Okay. I'm going to try this, and  
24 again, this is just a pictorial. I wanted to showcase how  
25 DNAPL only happened in the Montrose property. We have

1 various commingled plumes of groundwater in the area. The  
2 DNAPL serves as a source of the Chlorobenzene in the  
3 Chlorobenzene plume, and that's how it pertains to the DNAPL  
4 removal here. If you wanted me to talk a little bit more --

5 MR. DIAZ: Maybe you can talk about all of the  
6 sources that are known in the area of groundwater  
7 contamination.

8 MS. MARTINEZ: Okay. So we -- again, this is not my  
9 operational unit. So I would like to limit the discussion as  
10 much as we can as to DNAPL. So for the Chlorobenzene, we  
11 know what the source is which is the DNAPL. For Benzene,  
12 there's a couple of (inaudible) and we also have the waste  
13 piles and then for TCE, there's more than 10 responsible  
14 parties that through the history of activities in the area  
15 have discharged TCE to the groundwater. TCE is a soil vent  
16 that is used in many industrial --

17 MR. DIAZ: Can you give the name of the chemical?

18 UNIDENTIFIED SPEAKER: Inaudible.

19 MR. DIAZ: Does that help clarify your question? I  
20 want to make sure that you -- okay. Great. So with that,  
21 we'll go ahead and get started with the formal public  
22 comments. Again, I'll be calling you guys up one by one and  
23 you guys can use the podium where Yarissa is. So Yarissa, if  
24 you can clean up your stuff that you have there, and you can  
25 go ahead and like I said, since there's not that many people

1 here today, we'll just go ahead and go as long as you need to  
2 talk. So with that, the first person that approached me and  
3 requested to talk before was Cynthia Babich. So I want to go  
4 ahead --

5 MS. BABICH: Good morning, everyone. Thank you for  
6 coming. I'm Cynthia Babich, and I'm director of the Del Amo  
7 action committee. The Del Amo action committee was formed by  
8 community residents over 23 years ago to work specifically  
9 on the contamination issues impacting our community from the  
10 Del Amo and Montrose sites. I'd like to express our  
11 thankfulness to the extension of the comment period until  
12 February the 13th of 2015, and I would like to also make a  
13 request that this type of a meeting is repeated closer to the  
14 end of the comment period because the reason that we asked  
15 for the extension of the comment period was so that we could  
16 do appropriate education inside the committee door to door.

17 As you can see, there are people that have come  
18 today, but in my thinking back of my 23 years of work in the  
19 committee, there are people that I have been working with for  
20 that long that were already in retirement when I started. So  
21 I think that their input is key and valuable, but I do not  
22 think that they would be able to go make the truck even though  
23 the hotel is very close to the community to this type of a  
24 meeting. So we are hoping that through our outreach, we will  
25 be able to take comment cards out with the EPA. So that we

1 can capture people's comments that way as well.

2           So I think it is also very important again though  
3 that this venue be repeated because a lot of people will want  
4 to give their comments verbally, and I think having the asset  
5 of somebody who types down their comments word for word is  
6 very important rather than the retelling of their particular  
7 story by somebody else's version. Which would lead me to my  
8 first comment. Many years ago in a meeting similar to this  
9 with an EPA person that, at that time, I would call a  
10 visionary. His name is Mike Montgomery. We were talking  
11 about accountability, and he had the strangest look on his  
12 face and he said yes. Absolutely right. Accountability. In  
13 fact, I'm going to print that out in big block letters, and  
14 I'm putting that over my desk which then made me think a  
15 little bit differently of what we were talking about.

16           I said well, what are you talking about, and he said  
17 well, I have to be accountable to people in San Francisco and  
18 on Washington on the decisions that we make in this  
19 community, and so accountability is very important for me,  
20 and I said well, that is clearly different than what I'm  
21 thinking about accountability. I think that the  
22 accountability that we are seeking through this process and  
23 other processes that are before us with regards to this kind  
24 of contamination is the accountability that needs to be made  
25 to the impacted community. I think that what their needs are

1 need to be put foremost and first, and I think that the  
2 comments that Mrs. Medina made were very, very important, and  
3 people would argue that this is not the time or place to talk  
4 about relocation or moving people out of harms way.

5 I would argue that every opportunity that we have is  
6 the time and place to remind people that this has been going  
7 on for decades and the clean ups that are being planned are  
8 going to occur for 3,000 to 5,000 years, and I make that  
9 remark because over 15 years ago, somebody decided, not the  
10 community, that they could have a technical impracticability  
11 waiver for cleaning up contamination in this area. Meaning  
12 that at that time 15 years ago, somebody decided that it was  
13 technically impracticable to try to clean up the gross  
14 contamination that has been heaped upon our community. I  
15 would like to also point out that somebody else also had the  
16 bright idea of actually including people's homes in this  
17 containment zone.

18 I would think that would be against the law, and  
19 that would be apart of taking -- you're taking somebody's  
20 property, and so many years ago I asked the EPA about this  
21 technical impracticability waiver sometimes called the  
22 containment zone, and people looked at me curiously saying  
23 well, don't you realize it's going to take 3,000 to 5,000  
24 years to even get there as if I shouldn't really worry about  
25 the fact that we're all going to be dead and our children are

1 going to be dead and their children's children's children are  
2 going to be dead by the time we actually see containment of  
3 this contamination. And I think it is wrong on many levels  
4 to leave people as genie pigs sitting on top of this  
5 contamination. When we talk about pieces of contamination,  
6 Yarissa mentioned that this wasn't her particular operable  
7 unit when she was discussing some of the other plumes.

8 I'd just like to point out that Montrose has seven  
9 operable units and Del Amo has three and they share one, and  
10 how in the world with anybody who has a degree in common  
11 sense like I do would think that, how are you going to fit  
12 all those pieces together? Yet time after time and even in  
13 the feasibility study, we're told that somehow magically this  
14 removal action is going to impact that removal action, and I  
15 think that was the question that was asked earlier. How are  
16 you possibly going to measure the changes or any clean up  
17 that's going to happen when you have all these operable units  
18 that going on at different rates, and I think that to give  
19 people an answer that somehow it's magically going to come  
20 out really great at the end is not reasonable, and I don't  
21 think it's an honest answer.

22 So I would like to say we are looking for  
23 accountability for our community, and I think that everybody  
24 in this room should be holding that for most as well. The  
25 discussions that were made 15 years ago in 1999 need to be

1 revisited. Had people made a decision and got right to work  
2 on putting in the treatment system, we would have an up and  
3 running treatment system and that system would require that  
4 every five years we review new technologies and emerging  
5 things that, you know, we didn't know about 15 years ago to  
6 make sure that we are really getting this mess cleaned up in  
7 the best way possible and that has not happened. In fact,  
8 there would have been three five-year reviews. So we have  
9 asked and we will continue to ask that the technical  
10 impracticability waiver zone be revisited.

11 I think this needs to be done with all state holders  
12 especially the community because while it's been presented  
13 today that people have worked very hard for 15 years to come  
14 to this conclusion that we want to stick electrodes in the  
15 ground and fire those puppies up and start moving this  
16 contamination, that I'm not clear we even know where it's at  
17 now and yet we're going to start moving it around and somehow  
18 magically it's not going to make things worse that we would  
19 want to make sure that indeed there isn't something better  
20 and the conversations that have gone on with different  
21 agencies like the department of toxic substance control and  
22 the water replenishment district, and there's probably others  
23 that I'm not mentioning have probably all been very  
24 fascinating and full of great information.

25 Again, the people who are being impacted by this

1 contamination are left back at the starting gate trying to  
2 somehow figure out how all those come together. Why people's  
3 homes are in a technical impracticability waiver zone. Why  
4 some promising technologies have been screened out and why  
5 time is of such an essence that they can't wait for us to get  
6 up to speed and utilize the technical advisors that have been  
7 put at our disposal considering that we're talking about 3-  
8 to 5,000 years to get to containment. I understand from the  
9 documents that have been presented to us that as far as the  
10 DNAPL portion of the remediation goes, they're estimating a  
11 three- to seven-year timeline, but still as Mrs. Medina  
12 pointed out, that's going to leave contamination behind.

13           If Angela Johnson was here who is one of our most  
14 favorite people who loves and helps our community, she would  
15 argue that if you thought that DNAPL was syrup, it would keep  
16 giving its sugary goodness to us for decades to come. So we  
17 think that when we look at these technologies, we really need  
18 to look at actually removing the contamination, and when we  
19 think about what's going to go on at the groundwater  
20 treatment system that's being put into place now and being  
21 tested and somebody mentioned about the carbon treatment  
22 system that's going to happen, and that sounds really --  
23 something that won't blow up which is always nice, but it  
24 sounds something very passive and very nice, but really the  
25 fact remains is that that carbon that becomes contaminated is

1 going to go to native tribes around the Colorado River.

2           It's going to be burned and regenerated there in one  
3 of their systems. So simply to remove it from our backyard  
4 and put it in somebody else's is not always the answer and  
5 that is why I believe and many others believe that you have  
6 to have average community people at the table to look at some  
7 of these concerns not with the lense of how much it costs. I  
8 would like to request that the EPA do a formal technology  
9 screening very quickly where we look at the technologies that  
10 are at our disposal today, and before any decisions are made  
11 on the technologies that EPA has screened so far. I would  
12 also like to point out that doing anything is not the same as  
13 doing something. Thank you.

14           MR. DIAZ: Thank you, Cynthia. It looks like  
15 Florence here wants to make some comments.

16           MS. GHARIBIAN: My name is Florence Gharibian. The  
17 first thing I want to say to the people in this room who are  
18 empowered to do something about the Del Amo/Montrose  
19 site -- I do not call it sites. I do not call it operating  
20 units. I call it the Del Amo/Montrose site because the  
21 co-mingled waste is the problem, and it needs to be solved  
22 holistically. What I want to say to you is you really can  
23 clean this up. You can clean it up, and you can clean it up  
24 in our lifetime, and I want you to believe that it's possible  
25 to do that and not accept impossibilities or discussions of

1 how it's going to take 5,000 years. I want you to think you  
2 can do it, and you can do it in our lifetime.

3 I want to do some time frames here. We had a draft  
4 viability study that was published in 2011 and that study was  
5 there and then commented on in December of 2012 by both the  
6 department of toxic substances control and by the water  
7 replenishment district, which is the organization that helps  
8 ensure that all of us have clean drinking water. Then it  
9 went to an EPA review board in 2013, and then they gave their  
10 comments and now we're sitting here and it's November of 2014  
11 and we're still working on it. So the timing of all these  
12 things is really an issue. As Cynthia mentioned, work on the  
13 site started in the early '80s and the groundwater treatment  
14 system is going to go online recently soon, I guess.

15 Although the group has a very serious concern about that, and  
16 just to let you know, I am honored to serve with Cynthia as  
17 the chair of the Del Amo action committee. Something that I  
18 am very privileged to do.

19 So timing is important, and now I want to get to my  
20 first comment and say this is an identified comment to be  
21 found in the comments that were prepared by our technical  
22 advisor, and I'm going to do a quote. "In order to be more  
23 transparent, EPA should clearly state that the proposed  
24 remedy neither addresses DNAPL that could be practically  
25 remediated outside the focus treatment area or the DNAPL

1 below the residual saturation inside the treatment area. EPA  
2 should also be more forthright and transparent with respect  
3 to the decision namely that it is because it is still  
4 believed that the most aggressive and expensive remedial  
5 approach could not possibly remove all the DNAPL from the  
6 Montrose site. So it is therefore acceptable to leave a  
7 large residual fraction behind even if a potentially  
8 significant fraction of this residual DNAPL could be  
9 remediated."

10           So I'm saying remediate this DNAPL, and do that with  
11 the belief that in remediating this, you are going to make a  
12 big step forward in cleaning up the Del Amo/Montrose site. I  
13 happened to know that there are wells on the Montrose site.  
14 One well, if you pump it, you get DNAPL. It comes to the  
15 surface. Another well that is really not very far away from  
16 the first well, you can pump it, and you don't get DNAPL and  
17 that caused me to believe that it's possible to do a removal  
18 and make a big difference, and I have in the EPA response to  
19 the comments that were made by the technical advisor, a  
20 statement that excavation of the DNAPL impacted soils to a  
21 depth of a 105 feet over a 160,000 square foot source area  
22 would be infeasible and might cause a billion dollars.

23           I have a lot of trouble with all of those numbers  
24 and trying to make them make sense when I see these two  
25 concentrated areas of DNAPL on this map, and let's be clear

1 about it. We're not talking about molasses or syrup. We're  
2 talking about toxic chemicals that are in our area and in our  
3 groundwater that ought to be cleaned up. Another thing I  
4 want to say is that in order to achieve this goal, you need  
5 the best minds at the table, and I would like to suggest that  
6 there be a convening of a group that includes the department  
7 of toxic substances control, the water replenishment  
8 district, the regional water quality control board and others  
9 possibly even from academic settings to look at these issues  
10 holistically, and see if we can't come up with a better  
11 approach.

12 I would also want our technical advisors to be part  
13 of that group. Great minds can come up with great things,  
14 and that's what we need here and the community needs to be  
15 partnered in that effort. The department of toxic substances  
16 control prepared written comments, our advisor prepared  
17 written comments, the water replenishment district provided  
18 written comments on this plan. I want to see them in the  
19 public record and responded to in the public record. So  
20 they're not a letter somewhere in a file. Believe me, I have  
21 spent hours and hours trying to find all this information and  
22 make sense out of it. It's a big job and having these  
23 materials available to the public and in the public record  
24 and part of the process is an important step.

25 Now, I also want to ask -- I also want to talk a

1 little bit about another chemical that wasn't mentioned in  
2 the charts. We talked about how DDT is not water soluble.  
3 We talked about how Chlorobenzene is not water soluble, but  
4 they did use a solvent and that solvent is water soluble and  
5 possibly was used at the Montrose site because it's water  
6 soluble and I know for sure three places where that solvent,  
7 which is called PCBSA, turns up in this great United States  
8 of America and one of them is right here at Montrose and one  
9 of them is a little town in Michigan called Saint Louis,  
10 Michigan, where they have their drinking water wells  
11 contaminated with their material and another one is a string  
12 fellow acid pits in Riverside County, and there was one point  
13 when I thought I was going to have -- she worked on the  
14 string wallow acid pits on my grave stone, but that was  
15 another day and another time.

16 I want to know if PCBSA is in this DNAPL because I  
17 remain concerned that it is enabling this material to be more  
18 mobile. I want to know that it's not in our drinking water,  
19 and I read some documents that suggested that EPA would be  
20 monitoring the drinking water to make sure it wasn't in it.  
21 I want to know they have actually done that work. PCBSA is  
22 not something that drinking water companies routinely monitor  
23 for when you get your drinking water, and I want to make sure  
24 that we understand the extent of the pollution that was  
25 caused by that chemical. There's another issue related to

1 the wastewater treatment system related to PCBSA as well and  
2 that is, will it be removed sufficiently because the water  
3 that's treated in that groundwater treatment unit will  
4 ultimately go into the clean portion of our groundwater  
5 basin, and I see that as something we need to be very careful  
6 about and very concerned about.

7           So I hope I haven't used too many technical terms or  
8 gotten into too many territories that may not be actually  
9 related to DNAPL, but I'm saying you got to look at the big  
10 picture. I also want to make another very important point  
11 that I make whenever I have any conversation about this  
12 subject. When they test the human health effects of  
13 chemicals, they test them individually. So there's data on  
14 the harm caused by TCE, and there's data on the harm caused  
15 by Chlorobenzene and there is some very, very limited data on  
16 the health problems cause by CPSA.

17           Of the data that is available on what happens when  
18 all of those materials are all present in one place, what is  
19 the potential health effect on people of those combined  
20 co-mingled chemicals that is really rough science and there's  
21 not really a lot of information known about that, and that  
22 makes doing the most careful -- the most conservative thing  
23 possible to solve this problem, a really important thing. So  
24 thank you for listening, and I'm glad I can be here today.

25           MR. DIAZ: Thank you, Florence. Marlene, you're

1 next.

2 MS. PUENTES: Sorry I was late. I had my son. My  
3 daughter was here earlier. I live at 1072 West Torrance. I  
4 lived at 20430 Catalina Street right there in the  
5 neighborhood. I lived at -- on Budlong. I lived on Kenwood.  
6 My grandfather lived on 204 Street. My grandfather was an  
7 employee at Montrose Chemical. He came from Colorado,  
8 Denver, Colorado. They were healthy. All my family was very  
9 healthy, abundant and healthy. He was working at Montrose  
10 Chemical, and his first child that was born during that time  
11 was my aunt Gloria, and she was born a dwarf, and our family  
12 with all our numerous children that we have in my mom's  
13 immediate family, my sister and I have, two of my sisters and  
14 also I have 12 autistic children. My two are nonverbal.

15 One is 19 and the other one is 13. It's been a lot  
16 of work, I'll tell you that right now. I'm suffering from a  
17 terminal brain tumor, and I know about all these figures, but  
18 I know what's going on in the community straightforward.  
19 We're getting brutalized by the police department. We have  
20 got yellow school busses in and out all day long. Now they  
21 got this thing going on in the street right in front of my  
22 house, and these ungrateful people. I gave them on the  
23 hottest days of the year, lemonade, twice a day. I put a  
24 little stand out there and I put lemonade, and I would always  
25 serve them twice a day because I thought to appreciate what

1 they were doing.

2 I actually at first wanted to make the biggest signs  
3 I could ever make and just torture these people to stop them  
4 because what in the heck is going on, and what I thought was  
5 going on is that we're getting new pipes. We're not getting  
6 new pipes. We're getting the same pipes that were parallel  
7 to the pipes that were already there. So if you think those  
8 pipes aren't contaminated, you're wrong, and all we're doing  
9 is putting a band aid over a big thing that's bigger than 3-  
10 to 5,000 years. It's happening now. It's filling up our  
11 jail systems with people would have brain damage, people that  
12 are born with autism.

13 In 1999, I just heard that the first meeting of this  
14 sort was taken place, and I'd like to know -- or no. I do  
15 know that Mary Bradley was instrumental in this and Angela  
16 Back from Eyewitness News, and it was amazing to see it local  
17 like that, and I was just a little girl, kind, and I was kind  
18 of polite so I didn't do what I would do now. I would be all  
19 over that. In 1999 is when I got my son's diagnosis. He was  
20 the cutest little baby, the best little baby, you know, just  
21 beautiful. And when he was diagnosed, I didn't know what  
22 autism was, and I'm a smart person. I had already worked for  
23 a real estate corporation. I was the young agent at 24. I  
24 had two children. My daughter was very smart.

25 She was just here a little while ago. She has been

1 to USC. I heard in third grade that when she took her first  
2 test and it was a really big one that it was all downhill  
3 from here because there's nothing as extraordinary as that  
4 test score. Then I look at my son, and he's been going to  
5 school since he was two and his backpack when he got on that  
6 yellow school bus was bigger than him, but when I learned  
7 what autism was at the beginning, I didn't know what it was.  
8 I thought he could draw good. That's how uninformed and how  
9 unrament was. Now, we went from one in 800 kids being born  
10 with autism to one in 60.

11 We're not just talking aspergers and maybe this kid  
12 might have AD -- whatever that's called. This is a life  
13 form. This is not something that will go away because what  
14 you're saying is ratify autism. These are individuals just  
15 like -- I'm not for or against homosexuality, but they were  
16 born like that. They have got laws protecting them. These  
17 kids were born like that, and we look at ourselves and when  
18 you hear the words it's environmental. You think was I not  
19 eating enough nuts in the beginning of the first semester?  
20 Was I doing something wrong through my pregnancy? Was I not  
21 doing something right? Did I make a mistake? No. It's  
22 already built within my family, and I personally am stuck at  
23 home every single day. I have got this young, beautiful  
24 husband, and he's so willing to try.

25 He's amazing because he knows so much more, and I'm

1 just pouring it into him because I'm on my way out. I won't  
2 see 3- to 5,000 years, but who's to say that kids are not  
3 going to be important then? What if we're a society -- if  
4 you look at this in the spectrum of what's going on, it feels  
5 like when these kids are born in this manner, it's one in 60  
6 now. We're going to be nation of people taking care of  
7 people with autism because I have counted the people that  
8 take care of my kids on an individual basis. There's 15  
9 people every day that work for these kids, and I just can't  
10 image why -- if a child was dying in a hospital, every 60 of  
11 them, there would be an investigation. There would be  
12 something going on, but they're alive and healthy and walking  
13 around in society, and they're saying get rid of autism  
14 speaks. It doesn't speak.

15 It's quiet. The people taking care of them are  
16 quiet because we're stuck in the house because I call it  
17 glassy glass. Everywhere you go everything is made of glass  
18 and they're going to shatter it, and they're going to run.  
19 I'm not feeling as well as I used to. I can catch if I need  
20 to, and I have saved their lives a couple of times, and I  
21 will continue to do that (inaudible). Children in schools  
22 and senior citizens with Alzheimer's because they're like  
23 little children too (inaudible). We could give free art  
24 lessons to kids with autism in special needs units. We  
25 created the slogan "don't do that." DDT. What's the first

1 thing that we learn when we're born? Don't do that. DDT.  
2 Dumping dangerous toxins. The problem here is that the  
3 people that need the help most can't help themselves. They  
4 don't know how to reach out. They have got POs chasing them  
5 down.

6           They have got all these behavioral problems.  
7 There's no social (inaudible) with these guys, and it's  
8 really not even their fault. This is what I call zombie  
9 warfare. We're going to have -- I have seen my kids, and I'm  
10 not calling them zombies, but when your kids are born and  
11 they're not going to talk, they're just going to walk up and  
12 down throughout your house and flapping their hands in the  
13 air, moaning. It looks like that and these guys know what's  
14 going on, but I'll tell you what's even harder than getting  
15 rid of DDT, getting social workers to get off your back and  
16 help.

17           All of this matters and these kids are so hard  
18 sometimes because I got two. They're opposites. When one is  
19 good, the other is bad, but I'll tell you one thing. They're  
20 my little angels. The 19-year-old, he is -- he's like a  
21 little guy. He's been dummed down at his school because LA  
22 Unified is running out, I see see-through walls being put  
23 into the bank stuff. You know when you can't touch the  
24 banker no more because that acrylic stuff? I see that at  
25 school and I'm think this is a really bad South Park joke and

1 I ask what that's for and they say it's for security.

2           It says on the top of the door "do not lock during  
3 business hours" and they're locking that door. So what is  
4 the door there for, and why is it important to have that door  
5 there when we need therapy in therapy room environments when  
6 they're giving speech lessons in class when everybody else is  
7 doing morning circle, they got to go to their desk and try to  
8 listen to someone they have never seen before, they're in and  
9 out, these employees, they're totally inexperienced. I have  
10 been doing this a long time and I talk a lot. Trust. I'm  
11 running out of things to say. I'm running out of reasons to  
12 make it more possible to show you a day in the life of  
13 Marlene because it's really difficult. A lot of people say  
14 you should go out more. A lot of people like Jenny McCarthy  
15 talk about things like, well, if you see someone with a kid  
16 with autism, go and babysit for them. We can't allow that  
17 because it's dangerous.

18           We have to be there for safety reasons and when  
19 we're warn out, then we have got social workers saying you  
20 didn't fill out this paper, you didn't do that right, or  
21 they're just not doing what you asked them to do, and you're  
22 fighting with the school. You're fighting with the people  
23 that you used to encourage. I volunteered for seven to 10  
24 years walking these kids from the classroom to the McDonald's  
25 down the street in San Pedro off Western, and I, to this day,

1 appreciate people that do that. I can't go in the sun. I  
2 just came from radiation. I give them \$1 lottery tickets,  
3 and if they win, maybe I'll see them again on TV or  
4 something.

5           The thing is, I think we should appreciate care  
6 providers. We're going to deal with the DDT one day in  
7 5,000, 10,000 years, or we're going to find something worse I  
8 bet, but you know what? Right now we got to deal with this,  
9 and they say what do you want, Marlene? I believe I talked  
10 to someone from the EPA that called my house, and I said I  
11 want to be relocated. Why is the plumage area at the door of  
12 the hospital? Because they don't want that kind of a public  
13 cry out because everybody gets sent over there. God forbid  
14 you should drink water from there or be bathed in it.

15           It's going in our showers. It's in our skin. It's  
16 not like we're sitting there -- I have seen footage today,  
17 just today, on the little cell phone that my daughter has.  
18 1946 was advertising and showing that some expert in  
19 toxicology or whatever it was, showing these African tribe  
20 men how to spray DDT over their food and eat it, and they  
21 were going through towns with big trucks and they were  
22 spraying it all over the community with people walking  
23 around. So now, the government -- this has totally been  
24 federally funded. They have -- they could have done what  
25 they wanted to do, and that's what they did.

1           What they thought was, we were far away from  
2 everybody that was rich, and this was just a bunch of  
3 strawberry fields. Yeah. There's 100 foot wells. I know  
4 this because in my backyard where I own my home, I was  
5 terrified for, like, three months because there was a crack  
6 in my backyard, and I went to fill it up with water thinking  
7 well, it's just a shift change or a little bit shaking earth.  
8 About four hours later the water never filled up. I don't  
9 know where it went. I thought we were just going to  
10 disappear in the backyard one day. Well, it has filled up.  
11 Out of side, out of mind. I still have things to worry  
12 about. The guy across the street was building an extra house  
13 on his property. He got stopped by 100 (inaudible) the fire  
14 department found it. I don't think they filled it up  
15 (inaudible).

16           So that brings me to my next point. This thing  
17 going on in the street. I have the greatest feeling in my  
18 heart because I know sinister people that they created this  
19 thing to sidetrack us from going on Normandie, from even  
20 going on Normandie. If you try to drive down Normandie right  
21 now -- first of all, they're going to have police all over.  
22 Second of all, they're going to have trucks in and out, going  
23 in and out. They have cones. They have a bunch of --  
24 everything blocking it off so that we avoid going that way  
25 because we're residents. we know better than that. Guess

1 what? I think that's the whole plot, and I also happen to  
2 know -- because it goes right across my street in front of my  
3 house on Torrance. It sounds like a bomb or a tank has gone  
4 off every time these trucks go by.

5           It's rattling. I had a friend spend the night. He  
6 came from Louisiana, and you know how they talk. It was  
7 like, I can't believe that. I can't believe it, and I did  
8 verbatim what you're doing and wrote down everything he had  
9 to say, and unfortunately I didn't have a printer to print it  
10 out today, but he was like how do you live like this, and  
11 he's holding onto his chair and the coffee is rattling and he  
12 is saying how do you do that because I have to listen for my  
13 kids. I have cameras all over the house. I have got video  
14 as well as audio and the amazing thing is we had an incident.  
15 We had an incident where they were doing the flushing in the  
16 middle of the street, and my husband was doing his business  
17 in the bathroom, and I was doing laundry and I was also in  
18 the kitchen, you know, doing kitchen things so the water was  
19 running. We didn't get forewarning that this was just going  
20 to happen. They just went down the middle of the street and  
21 starting flushing.

22           Well, my husband comes running out of the bathroom  
23 saying I just got a mushroom bomb came up from the toilet.  
24 So he was exposed that day to raw sewage, possibly Hepatitis  
25 C, definitely DDT. We know that's already in there, but all

1 of this raw sewage came up on him. After that, we had a leak  
2 in our pipes. So we went outside and we talked about it to  
3 the workers. They sent it to the city. The city said they  
4 didn't have permission to go there and start digging, but  
5 they did it anyway. After two -- and by the way, did I  
6 mention I have a terminal brain tumor? I had to use a water  
7 bucket to use my water because when we turn the water on, it  
8 starts squirting out of the water heater because of the  
9 pressure when we turned off the main valve, it caused a  
10 little leak in the little water hose there. So there I am,  
11 fixed income, social security for my kids. I am working not  
12 getting paid, not feeling well, carrying these buckets, and  
13 you know what, it made me so mad. I feel a little better.

14 I didn't want to come today because I just got out  
15 of the hospital, but I came because I think the real story  
16 here is not what happened and pointing fingers. I think it's  
17 about the human aspect of this, if I correctly read  
18 everybody's faces. The human aspect of it is this is in our  
19 DNA. The people of this community have been greatly  
20 affected. I always grew up thinking, like, I know all my  
21 neighbors, and we love it here. We're not going anywhere.  
22 We love it here, but I think we have been contained with  
23 circumstances and parole offices and jail cells and no  
24 church, liquor stores on every corner. Billboards don't say  
25 anything great. They said tequila. They say need a lawyer.

1 Things like that. There's no youth functions for them.

2 There's nothing.

3 Even when they come out there and they offer this  
4 little health expo, that's ridiculous. They need to get  
5 people in there with MRIs. You guys got to really, really  
6 dig deep into their DNA to figure out how bad it's going to  
7 get for them because even if they tried, they don't have the  
8 capacity because of the brain damage because of the people  
9 around them that they got to deal with that died. Just last  
10 year, I lost two friends to leukemia. The lady sitting back  
11 there in the back row, her son almost died a couple of times  
12 on her, and I know that Kenwood is the worst. It's the  
13 worst.

14 By the way, we should mention that farmers  
15 brothers -- I have been around the world a little bit. I  
16 have traveled, and I was amazed to see that the coffee that I  
17 was getting in Hawaii was from farmers brothers. They're  
18 contaminated too. So we're passing it around. It's not just  
19 like right here, and everybody stay there and they're letting  
20 us die off. Yeah. They're letting us die off, and they're  
21 putting us in a situation where we don't see a way out. I  
22 was complaining about the pipe problem and guess what they  
23 told me? It was my fault, and they didn't do anything wrong.  
24 They let it go. That's how Mr. Alejandro right here got my  
25 letter, and I guess they have a committee that has to report

1 problems, incidents, and stuff. Do you remember that letter?  
2 Wasn't it really good?

3 MR. DIAZ: Yes.

4 MS. PUENTES: He says yes. He doesn't know.

5 MR. DIAZ: No. I have read the letter.

6 MS. PUENTES: Yeah. It was kind of rude and wrong,  
7 and I was amazed when I tried to talk to these people, they  
8 didn't care about me giving them lemonade for, like, three  
9 weeks straight. They didn't care about not being able to  
10 wash their hands. I have two autistic kids. One of them is  
11 walking around flapping all day long and moaning which is  
12 cool. It's a community that's inflicted with problems that I  
13 think have occurred because brain damage, and he does look  
14 like a little gangster, quote on quote, because I cut his  
15 hair. He doesn't go to a barber and I have to use the  
16 clippers and he's flapping and I call it Chinese gang signs.  
17 Sorry about that, but it's real fast. I'm afraid my son is  
18 going to get shot out there. I think we should be protecting  
19 the community more in training officers to deal with people  
20 that have survived DDT poisoning.

21 If it was something else, like (inaudible) disease,  
22 they dealt with it. They gave them medical help. They gave  
23 them a form. Everyone knows about it that. It was one  
24 weekend in a hotel, and it got all these people sick. 29  
25 people have died from that poisoning right there. I don't

1 know how long that I can keep being ignored on phone calls  
2 and keep telling my story over and over and over to LA  
3 Unified to state workers to just dealing with people that  
4 aren't -- I feel as smart as I am, and they're in such high  
5 positions and they're not accountable. They're not  
6 accountable. As a matter of fact, their secretaries will be  
7 rude to you, and they're just administrative assistants,  
8 paper pushers. We're doing the actual job. We're raising  
9 these victims of this poisoning, and we're being affected by  
10 it. I have no social (inaudible).

11           It doesn't take me to go from zero to pissed off in  
12 no time flat and that's because I'm fed up. I have asked  
13 them time and time again to relocate. They won't fix pipes.  
14 We have got bombs going off all day long with these trucks  
15 going over this one spot, and I seen the crowd. People  
16 waving their hands. It's loud. It is like living in a war  
17 zone. So if we got to get used to that already living in  
18 California, earthquake and all, we're prepared, but we don't  
19 want to be like that all day long with the shaking of our  
20 houses. I don't know how long it's going to take before it  
21 falls down, you know. We don't have money to fix anything,  
22 but I don't think it's about fixing it. I think it's about  
23 realizing this is a hazardous waste area. The plumage means  
24 that just like with (inaudible), there's a plumage area and  
25 everything needs to go in that area. There's no one living

1 over there.

2           There's sweeping under the rug of things like this  
3 but that seems ridiculous. I'm not moving to (inaudible) and  
4 I don't want to live Southern California, but I will if  
5 somebody helps me get out of here because I want -- it's not  
6 going to help me and my daughter and my son, but it will help  
7 somebody else's daughter or maybe somebody else's that  
8 doesn't know about this, and they're just going to re-label  
9 the neighborhood, like they took the dirt out and put new  
10 dirt in it. And they always talk about when they're digging  
11 these pipes that it's 100 feet down, and I'm only going 10  
12 feet and this and that. It's all over the place. It's all  
13 over the place, and it's going to pass state lines which will  
14 make it a federal problem. It should already be that way,  
15 but it really needs to be handled. I have been to this  
16 meeting before just like this and nothing happened. We're  
17 being told what they're going to do, ask to give comments,  
18 and our comments are ignored.

19           As far as it goes, nobody in this community is  
20 really going to get up and try because they feel that there  
21 was (inaudible) there was going to be a soccer field put  
22 there a few years ago, but they were actually bated along to  
23 believe that there was going to be a soccer field there.  
24 That's ridiculous. That was never on the table, but they  
25 wasted years on that project. They made them believe that it

1 was okay. That was smoke and mirrors, and right now we need  
2 to get to the situation of what are we going to do for the  
3 people in the community? How are we going to get them out  
4 there? How are we going to make them accountable with the  
5 relocation process and put a big fence around this area and  
6 make people drive around it? Get guards to guard it. Don't  
7 let people in here. There's not going to be a soccer field  
8 there. There is not going to be houses here in 100 years if  
9 anybody does anything right. So that's how I feel about it.

10 I wish I was more prepared. Sorry I was late. I  
11 don't feel well, but I want people to start looking at the  
12 human aspect of this, and my shirt says DDT. Don't do that.  
13 Dumping dangerous toxins. Stop that. I don't know what to  
14 say except for I want to be relocated, and that's the only  
15 thing I want to hear about, and I don't want to move  
16 someplace where it's vaporized and then it moves over there  
17 like acid rain. What comes up -- what goes up, must come  
18 down. So I don't want to be any further in the hole than I  
19 already am with nowhere to go. All right. Thank you.  
20 Sorry.

21 MR. DIAZ: Thank you. So thanks, Marlene. We'll go  
22 ahead and go with the next person. Go ahead.

23 MR. FERNANDO: My name is Philip Fernando. I live  
24 on 20512 Bernando Avenue, Torrance, 90502. I will listen to  
25 my neighbor, who like me, has been here for about 30 or 40

1 years. I would like to put this on the record. The  
2 community here is greatly affected by the contamination. So  
3 whatever remedial action has been done so far we appreciate.  
4 However, in view of the 3,000 year span that is being talked  
5 about all the time, it is imperative that a plan to relocate  
6 the residents of the area should get top priority. As just  
7 said by my previous speaker, the previous speaker, my  
8 neighbor.

9 That plan should be a part of the over all action  
10 plan. I think it has to be taken seriously because of the  
11 human factor. How the people are affected, how the kids are  
12 affected, the number of cases that is going to rise in time  
13 to come. The kids with autism and cancer and so on. So  
14 that's my main concern that we incorporate the cost, a  
15 realistic cost, of relocation as a part of this plan. Thank  
16 you.

17 MR. DIAZ: Thank you very much. Is there anybody  
18 else who would like to come up and make comments?

19 MS. C. MEDINA: My name is Cynthia Medina. Okay.  
20 I'd like to make a comment for my mother, Lydia Valdez, who  
21 is just not able to come up here. I'm going to read it. "So  
22 I have lived in my home for about 27 years on Kenwood Avenue.  
23 When I learned about all the contamination and the cleanups  
24 that were going on and being removed from my home for a  
25 period of time when they did the clean up on Kenwood Avenue,

1 it makes me wonder about all the money being spent by a  
2 government that doesn't have any money, and they can spend  
3 millions of dollars on a cleanup when you can clean and  
4 remove the most important thing, the people for much less.  
5 Think about it. If you are spending -- spending, sure. I  
6 can sell my house and move, but I can't do that and put  
7 another family in danger by being exposed to chemicals that  
8 will never be guaranteed clean and safe to live in." Thank  
9 you.

10 MR. DIAZ: The next --

11 MS. PUENTES: I just have one last thing to say.  
12 When I was 18, I worked for (inaudible) real estate and they  
13 were a prominent company that was located in Manhattan Beach.  
14 We have a lot of properties. Anyway, when we joined up  
15 forces with an international company, one of the owners of  
16 Honda, we had (inaudible) we built country clubs, and when we  
17 went through the planning (inaudible) and we did things like  
18 that, we also had relocation for wild life. That means the  
19 rats, the squirrels, the birds, the mountain lions,  
20 everything in the country club area as we were building it,  
21 but we don't have a relocation program for human beings that  
22 are being affected in this community, and that's what I just  
23 wanted to say because it was my job to work with wildlife  
24 people to relocate rats and squirrels and I don't like rats  
25 or squirrels, but we sure did what we had to do. That's all

1 I wanted to say. Thank you.

2 MR. DIAZ: Thank you. Is there anyone else who  
3 would like to --

4 MS. MANNING: My name is Margaret Manning, and I'm a  
5 resident. I will be brief. I think the big picture here is  
6 that it's been 15 years since the TI waiver zone was approved  
7 by the APA and that we -- it has already been stated by  
8 Cynthia and Florence that it needs to be revisited. In the  
9 15 years, a lot of things have happened as we are now aware  
10 of chemicals, the potential for vapor intrusion, and as  
11 Florence said that these chemicals can interact and this is  
12 all mingling under our feet and our homes. I have got a very  
13 strange smell in the middle of my house. So I have  
14 volunteered to be one of the very first people for soil vapor  
15 intrusion which I hope will start soon.

16 I had a plumber under the house to make sure there  
17 was no leaks and no dead animals, but every morning when I  
18 get up, I can smell that smell. I think one of the things  
19 that we need to recognize about why this area hasn't received  
20 the attention that it should, it's unincorporated. If it was  
21 Torrance, it would have the city all over it. People  
22 wouldn't be able to sell homes to unsuspecting buyers and get  
23 away with it. They wouldn't be able to build things in this  
24 neighborhood, and it certainly didn't happen in a place like  
25 Malibu or Beverly Hills. This has been a working class

1 neighborhood for all of its life, and it's an orphan. I  
2 looked at the services provided by the LA County, and there's  
3 a public health webpage and it's got an environmental place  
4 where you can look at and it doesn't even talk about any of  
5 the stuff that we have got.

6           It talks about lead and educating your kids on lead.  
7 So who do we -- and we don't have any politicians here today.  
8 Somebody just got elected in area 66, which I believe is the  
9 assembly district here. If it's not, then it's in between 66  
10 and 64. We should have somebody here, a brand-new guy or  
11 else it's Gibson from the other side of 64. Why aren't they  
12 here? It should be -- if this was on the Torrance side of  
13 Western Avenue, you bet they would know about it, and I think  
14 that this is the big picture that we should be looking at. I  
15 think we are probably spinning our wheels here right now  
16 dealing with individual problems, soil vapor, DNAPL, PC,  
17 whatever it is, BS or something. These are all new things  
18 popping out. Although the DNAPL seems like it's been a  
19 (inaudible) for a while. So this is a human issue, yes, but  
20 I think that in the end, that TI waiver gave a lot of the,  
21 quote, responsible parties a free pass.

22           That was the war. That battle and war has been  
23 fought and won. So we're all here having these discussions  
24 on a regular basis, and we don't seem to be making much  
25 progress at all and in the end everybody getting tired and

1 worn out. To me, 20 million is not a lot of money. I mean,  
2 I'd like to have it personally, but that is not a lot of  
3 money for this cleanup with the rods heated in the ground.  
4 That is a very small amount. I mean, you could buy a couple  
5 of apartment buildings in Hawthorn for that kind of money  
6 because I know, but we should be looking at the big picture  
7 and go back and revisit the TI waiver because we have so much  
8 more information in 15 years, and this is -- this isn't even  
9 going to start if we did approve and go along with these rods  
10 in the ground. It's still not going to start for a couple  
11 more years. So that's what I have to say. Thank you.

12 MR. DIAZ: Thank you very much. Is there any other  
13 person who would like to speak? Anybody else before this  
14 gentleman here or anyone want to clarify a comment?

15 MS. BABICH: You know, it just really -- well, I  
16 would say it breaks my heart to hear the stories from the  
17 community, but my heart was broken a long time ago, and the  
18 Del Amo action committee and myself -- I don't mind spending  
19 the rest of my life probably maybe another 20 years sitting  
20 around and trying to help figure out the best way to clean up  
21 the messes that were made by the polluters. But I really do  
22 mind that the community is being treated like a guinea pig  
23 and it's wrong. We were able to get 65 homes relocated where  
24 the park is going to be, and we're not saying that we want  
25 the EPA to come in and relocate people because what will

1 happen is they will use a way called imminent domain where  
2 you won't get full value for your home and you won't be able  
3 to relocate to another, like, area without the contamination,  
4 but we do have the plan that we worked out with the  
5 responsibility party.

6           It was a private buy out. It was not ordered by  
7 court. It was because our congresswomen at the time, Jane  
8 Harmon, thought that there was some common ground between the  
9 community's needs and the responsible parties, and she  
10 insisted that we all go in a room and try to figure this out  
11 and we did and it's been the best relocation in the country.  
12 And at the time when only half of 204 Street was offered a  
13 relocation and that's not to say that we thought that the  
14 contamination was confined to that area, but even way back  
15 15, 23 years ago, we knew that that was a ground zero and  
16 there was a meeting where Montrose would not come to the  
17 table and negotiate and the homeowner's that were left behind  
18 on 204 Street graciously stepped back so that the other  
19 portion of 204 Street could be relocated and the commitment  
20 that (inaudible) made at that time that we still hold to us  
21 is to get the rest of our community up and out of there.

22           So I know we have responsible party representatives  
23 here today, and I know that I'm not always as nice as I  
24 should probably be like my grandmother taught me to be, but I  
25 am indeed very angry. Unfortunately since I don't have maybe

1 the ground (inaudible) as Montrose to poke in the eye, I  
2 continue to attack their consultants and maybe that's a harsh  
3 word. I don't really attack them, but I am very stern with  
4 our messages. And again, I give you another message to take  
5 back to the person who ensures that you have a paycheck  
6 coming in and that you have hopefully a good retirement and  
7 that you can provide and care for your family in the way that  
8 we all try to provide in our families and come to the table  
9 and do the right thing.

10 The land use for this area is not appropriate for  
11 people but it's certainly appropriate for trucks. It's not  
12 like we have this area that needs to be written off as  
13 unusable, and certainly if, I guess, we had more time and  
14 capacity, we could pull all the resources of all the  
15 residents and we could probably finance our own relocation.  
16 We could all probably get pretty rich when we sell it to the  
17 goods movement folks to move goods from the (inaudible), but  
18 that's not what we're asking. We have lives and we struggle  
19 with our lives and we struggle to make a difference, and I  
20 really appreciate Marlene. I have heard her speak twice at a  
21 similar meeting, and thankfully at this meeting she was not  
22 told this is not the place for her to make her comments like  
23 she was before.

24 MS. PUENTES: That was before I was diagnosed.

25 MS. MANNING: And I'm so sorry, Marlene. So we have

1 an opportunity to be compassionate and be part of the human  
2 race and do the right thing, and so please take that message  
3 back to whomever makes the decisions for the Montrose  
4 chemical corporation, and we will reach out to (inaudible)  
5 but you can't leave people as genie pigs as I have said  
6 before on top of this. We have new people who have testified  
7 today that they had no knowledge of this and they are recent  
8 home owners in the committee. That's not right, and you have  
9 Lydia who has lived here for 40-plus years who doesn't want  
10 to sell her property because she knows the cycle that's going  
11 on. So we have got a very complicated cleanup problem in  
12 front of us and, you know, maybe electrical resistance  
13 heating is a good idea if there aren't people living around  
14 it, but we're going to have to stop and oppose things that  
15 are going to further put our community in danger.

16           So there's a real opportunity, and we are handing  
17 out the green leaf as we always do, but to really try and  
18 figure out a way so that people can move on and the people  
19 who have chosen to do as a profession, cleaning up toxic  
20 waste, can get on with what they like to do. But we really  
21 need to do something, and I can only tell you that we're  
22 being very polite now, but it's only going to get worse as  
23 the desperation sets in. People are really understanding  
24 what's going on now that these pipelines have gone in. It's  
25 really touching home. It's not just something that's going

1 on over there.

2           People have waited for a park to come in, and a lot  
3 of people want to know why in the world we would put a park  
4 so close to a toxic waste site, but on the other hand  
5 generations are growing up and having their own families with  
6 no place for their children to be that safe. So we are  
7 moving forward with the park area, and we hope to have a  
8 meeting with the community in the next couple months to tell  
9 them where we are with the plans, but really we don't need to  
10 be there. So, you know, arguing is going to come down the  
11 road, but it would really be nice.

12           I used to have brown hair when I started doing this  
13 work. I'm very proud of my gray hair. I worked really hard  
14 for it, but it's only going to get -- we're only going to get  
15 more (inaudible) in our positions if we don't find a way to  
16 come forward. So I would -- I'll leave you with that today,  
17 and I appreciate the compassion and respect that you have  
18 shown to people in the community. It's very hard to come  
19 here over and over again when you feel like you're not being  
20 heard. So please hear us today. Thank you.

21           MR. SATTLER: Good day. My name Alfred Sattler. I  
22 am speaking just for myself at this point. I may be  
23 associated with formal comments later on. Okay. Just for  
24 you who don't know me, I am chair of the Sierra Club, but I  
25 am not speaking -- as I said, I am speaking for myself at

1 this point. To a certain extent, I have more questions than  
2 answers. My understanding is that this DNAPL cleanup that's  
3 being proposed is just to give the biggest lump -- biggest  
4 amount of the Chlorobenzene contamination out so that it  
5 doesn't continue contaminating the rest of the groundwater  
6 that's present; is that correct? Can we have a -- is it  
7 possible to do it -- I'm just supposed to talk.

8           Okay. An alternative 6A seems like it will get the  
9 biggest amount of DNAPL per dollar, but 6B gets a greater  
10 amount of DNAPL out. So I think that 6B should be further  
11 considered to avoid having further lingering problems there.  
12 As for impact on residents living in the area, I think that  
13 there should be continual monitoring of the residents of the  
14 air that they are breathing, and if there's shown to be  
15 contamination as a result of this process, the residents  
16 should be evacuated and the process should be stopped.

17           As a separate note, as I was -- you know, just  
18 October 24th, science magazine had a very interesting article  
19 about biologic (inaudible) and some recent research where  
20 they have found more fundamental information about the  
21 structures in the microbes that makes this possible and that  
22 is why I ask whether bioremediation had been considered.  
23 (inaudible) told me today that the DNAPL itself is too  
24 concentrated for the microbes to work on it. Once the DNAPL  
25 is removed, the concentrations may be low enough to

1 bioremediate, and that should be strongly considered as a  
2 follow on so that we are not hopefully faced with 3,000 years  
3 of lingering contamination.

4           Somebody should be making grants to biological,  
5 biochemical researchers to see if they can find some bacteria  
6 that can biodegrade these chemicals and make sure the  
7 biodegradation compounds are also benign or not themselves  
8 toxic. (inaudible) and the comment was made that DDT is not  
9 biodegradable. That may be well old information on the --  
10 where it went out through the pipe, there is some evidence  
11 that there is now a (inaudible) of the DDT in the (inaudible)  
12 there. It's been a long time coming, but there seems to be  
13 some compounds there, and again, I don't even know whether  
14 those are better or worse than DDT at this point, but I do  
15 know that ongoing research is going -- is happening on that  
16 so I definitely want to correct that point about DDT not  
17 being biodegradable.

18           This is just dealing with the big lump of really  
19 concentrated stuff that's down under there. It's not -- as I  
20 understand, once the biggest amount of stuff is removed from  
21 down there at least, presumedly things will start getting  
22 better, but my gosh. The local residents have suffered so  
23 much. If there could be some way to buy them out and move  
24 them, that is somebody to strongly consider.

25           MR. DIAZ: Thank you, all. Is there anyone else

1 that would like to formally make any comments? If not, we'll  
2 be closing the meeting. Going once? Going twice?

3 MS. PUENTES: My husband and I would like anybody  
4 that wants to put a sign in front of their house, there's a  
5 couple of signs that I thought might be illegal. We might  
6 need some legal advice on it, but I would just like you guys  
7 to know you can come to my house at 1072 West Torrance  
8 Boulevard. You guys can pick up some canvasses. We have  
9 many that are bigger than me so we could just make it loud  
10 and clear. Every time I put a sign up somewhere, somebody  
11 comes along and takes it because it's really pretty or  
12 whatever and some are not done as well as others.

13 I will donate to anybody who wants to put a sign in  
14 front of their house, any type of thing that they want on a  
15 canvass or a weather proofed item. It's going to be a long  
16 time, but we need to start verbalizing with words that people  
17 can read and say what are these signs everywhere. I live on  
18 Torrance Boulevard. I flip them around when the traffic is  
19 coming in off the 110, and I flip them the other way in the  
20 afternoon when they're going out so that they don't miss my  
21 message. I'll try to make them more legible but yeah. DDT.  
22 Don't do that. Dumping dangerous toxins. That's it.

23 MR. DIAZ: Thank you, Marlene. So yes. Would you  
24 like to come, Savanna? Great.

25 MS. S. MEDINA: My name is Savanna Medina. I am 17

1 years old. I was born in this community on 20501 on Kenwood  
2 Avenue. My family, my uncle at the age of nine was diagnosed  
3 with diabetes. My mom as arthritis. At the age of 19, my  
4 other uncle has allergies and bone pain off and on. We need  
5 you guys to do something about this. Move us out, please.

6 MR. DIAZ: Thank you, Savanna. At this time, any  
7 last calls of anybody? Okay. Going once? Going twice? So  
8 as a reminder, if you go to the last slide, there's -- this  
9 slide, there's some contact information that's not too late  
10 obviously to submit comments, and there's all these different  
11 ways that you can do so. So please do, and if we have any  
12 updates you'll be hearing from us in terms of this  
13 proposed plan. Yes?

14 UNIDENTIFIED SPEAKER: You can send in, you know,  
15 two or three times, 20 times, 100 times, you know, go to your  
16 neighbors and, you know, give them the information and have  
17 them send something in. It all helps.

18 MS. MARTINEZ: Thanks for everybody who came here.  
19 I've been listening, and I don't want you to think that  
20 because I had to go to the restroom real quick that I was not  
21 listening to everybody who spoke. I am pretty available.  
22 The only request that I make is if you're going to give me a  
23 comment, please state it. I will be around doing hopefully  
24 door-to-door soon. Let me know if this is my comment, and I  
25 can take -- you can tell me. I'm write it. I'll make sure

1 to write it as you want to say it, and that's another way you  
2 can provide comments.

3 MR. DIAZ: Great. Thank you, Yarissa, for  
4 clarifying that. If there's anything else that needs to be  
5 clarified, we can have informal conversations after the  
6 meeting, but at this time, the meeting is now adjourned, and  
7 thank you again.

8 (At 12:38 p.m. the meeting was concluded.)

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1 STATE OF CALIFORNIA )  
 ) ss.  
2 COUNTY OF LOS ANGELES )  
3

4 I, BRITTANY SILVA, CSR No. 13940, do hereby certify:

5 That said public meeting was taken before me at the  
6 time and place therein set forth and was taken down by me in  
7 shorthand and thereafter was transcribed into typewriting  
8 under my direction and supervision, and I hereby certify the  
9 foregoing transcript is a full, true and correct transcript  
10 of my shorthand notes so taken.

11 I further certify that I am neither counsel for nor  
12 related to any party to said action, nor in any way  
13 interested in the outcome thereof.

14 IN WITNESS WHEREOF, I have hereunto subscribed my  
15 name this 24th day of November, 2014.

16  
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\_\_\_\_\_  
BRITTANY SILVA, CSR #13940

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